Full wwPDB NMR Structure Validation Report (i)

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PDB ID	:	4V10 / pdb_00004v10
BMRB ID	:	25242
Title	:	Skelemin Association with alpha2b,beta3 Integrin: A Structural Model
Authors	:	Gorbatyuk, V.; Deshmukh, L.; Nguyen, K.; Vinogradova, O.
Deposited on	:	2014-09-19

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

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

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

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

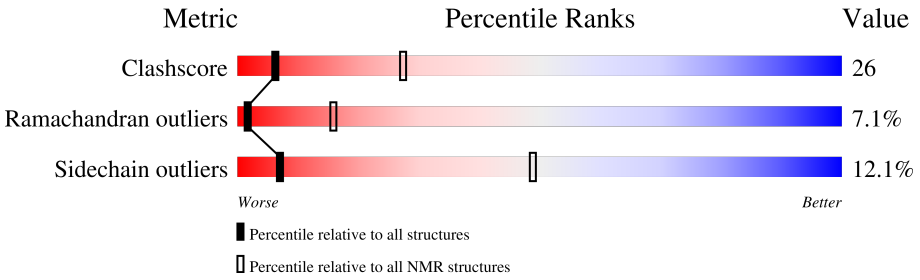
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 67%.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	NMR archive (#Entries)
Clashscore	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	231	36% 43% 8% 13%

2 Ensemble composition and analysis

This entry contains 20 models. Model 11 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative.

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:5-A:14 (10)	0.26	3
2	A:22-A:125 (104)	0.36	11
3	A:141-A:228 (88)	0.48	11

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

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

The models can be grouped into 4 clusters and 1 single-model cluster was found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 3798 atoms, of which 1894 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called MYOMESIN-1.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	231	3798	1214	1894	317	364	9	0

There are 5 discrepancies between the modelled and reference sequences:

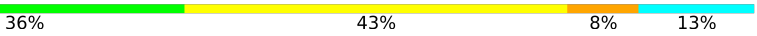
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP Q62234
A	2	SER	-	expression tag	UNP Q62234
A	3	HIS	-	expression tag	UNP Q62234
A	4	MET	-	expression tag	UNP Q62234
A	151	SER	CYS	engineered mutation	UNP Q62234

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: MYOMESIN-1

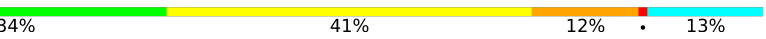
Chain A: 

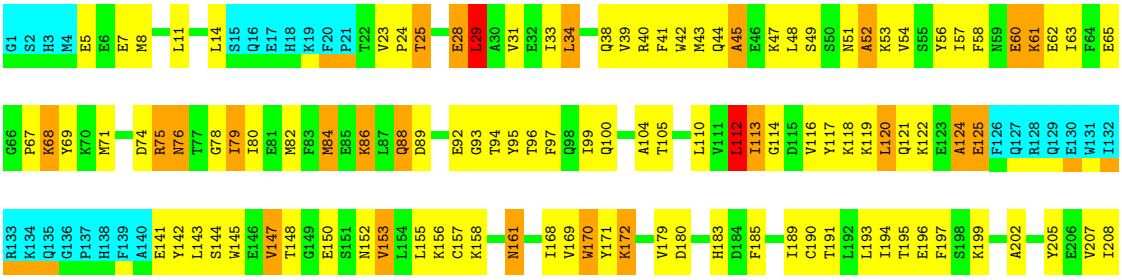
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

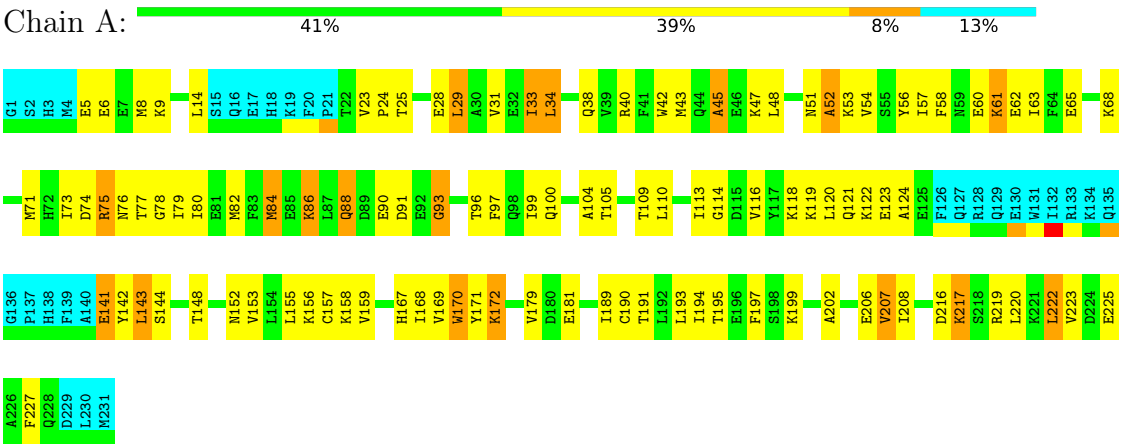
• Molecule 1: MYOMESIN-1

Chain A: 



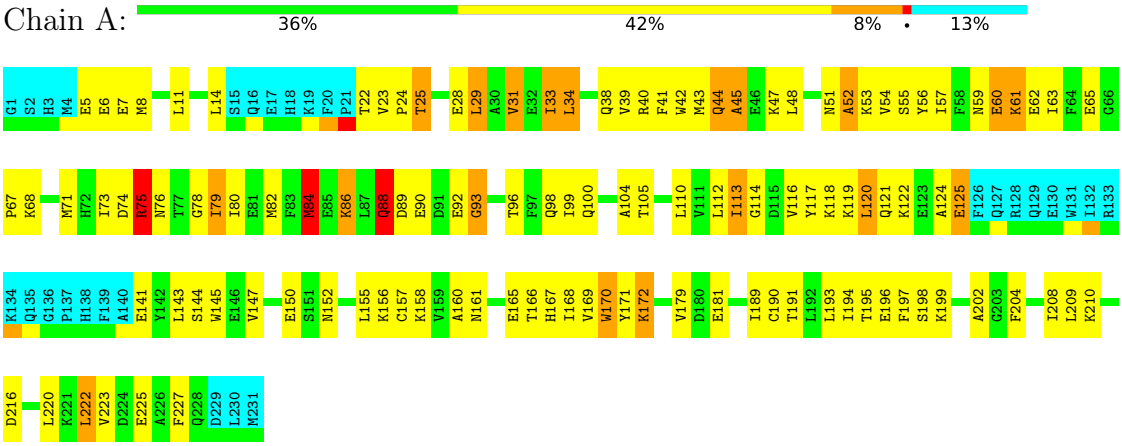
4.2.2 Score per residue for model 2

• Molecule 1: MYOMESIN-1



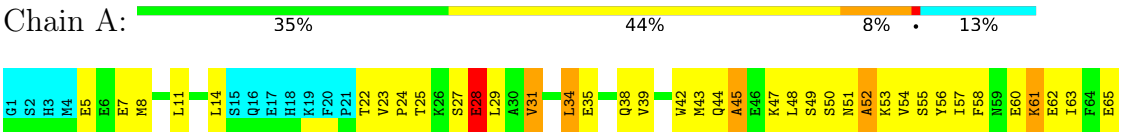
4.2.3 Score per residue for model 3

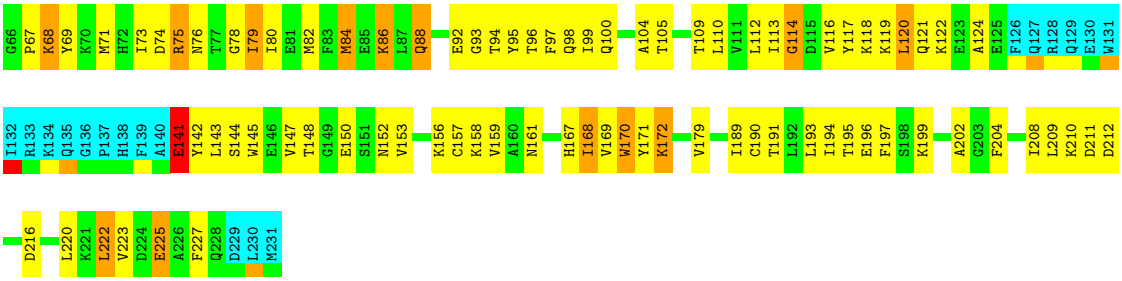
• Molecule 1: MYOMESIN-1



4.2.4 Score per residue for model 4

• Molecule 1: MYOMESIN-1

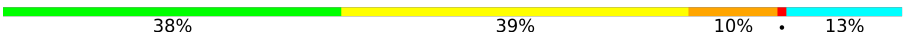


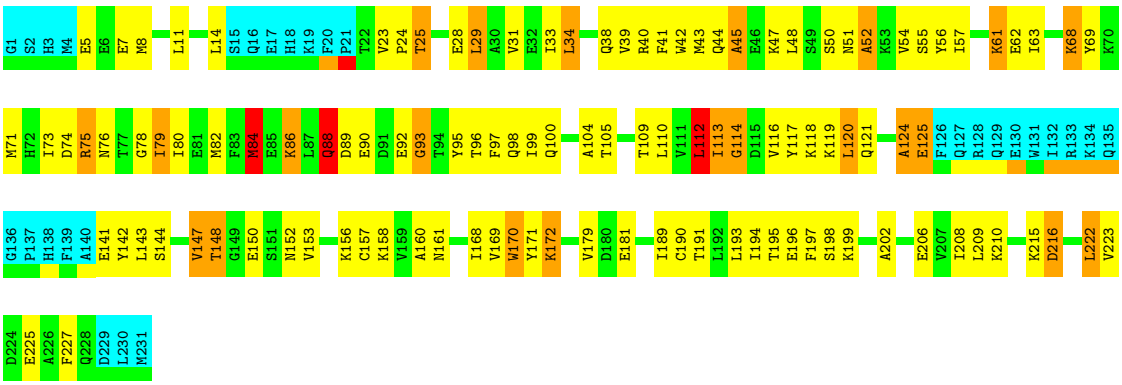


4.2.5 Score per residue for model 5

• Molecule 1: MYOMESIN-1

Chain A:

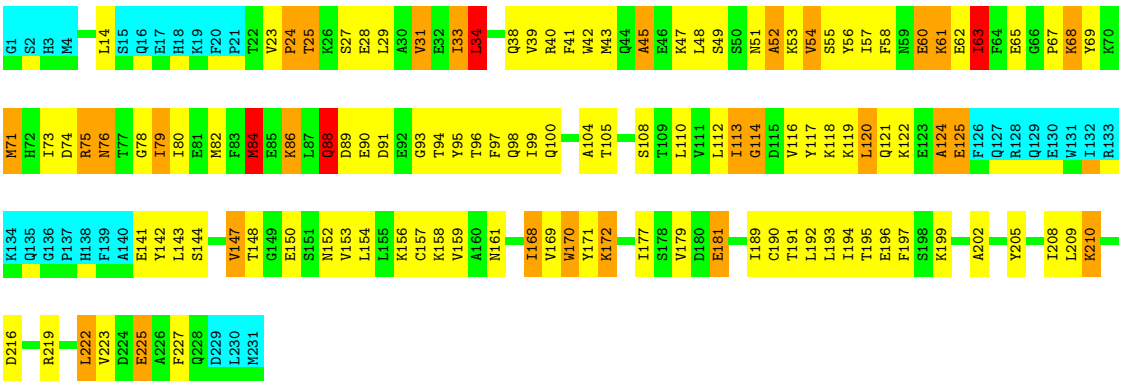




4.2.6 Score per residue for model 6

• Molecule 1: MYOMESIN-1

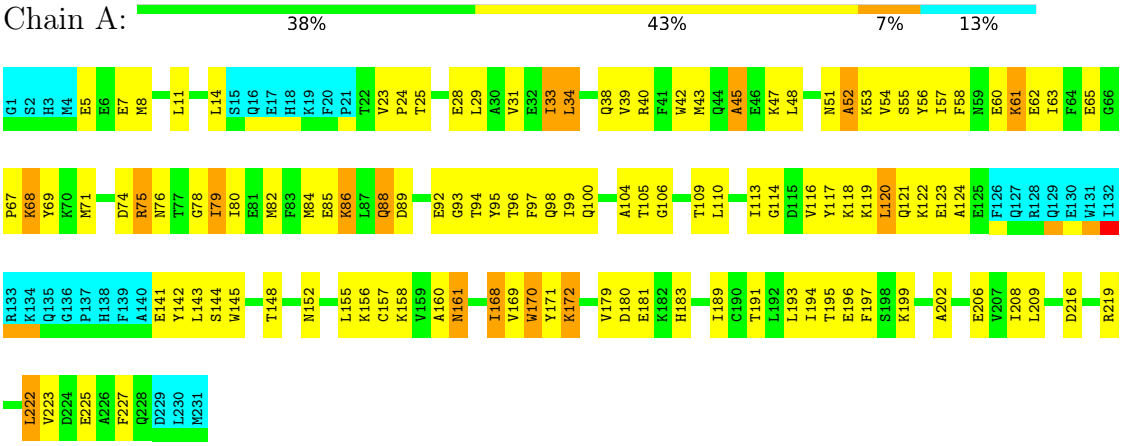
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: MYOMESIN-1

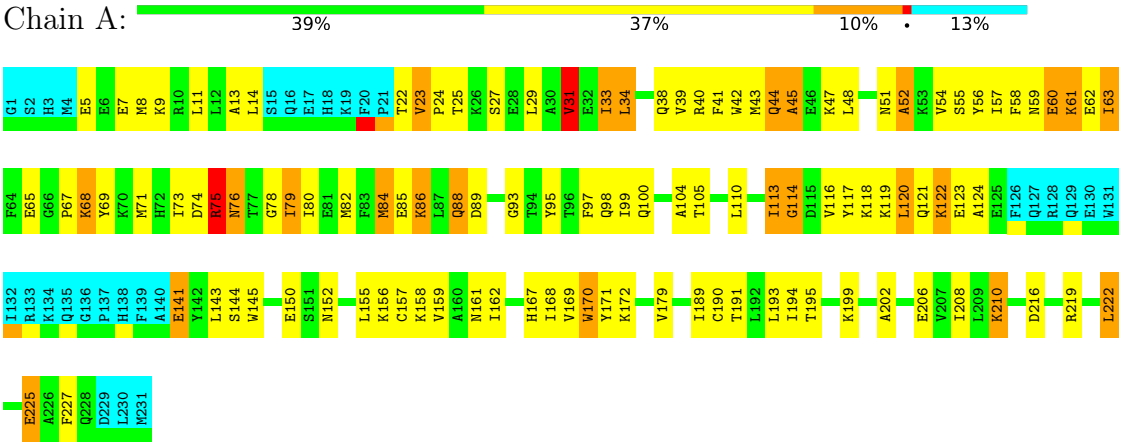
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: MYOMESIN-1

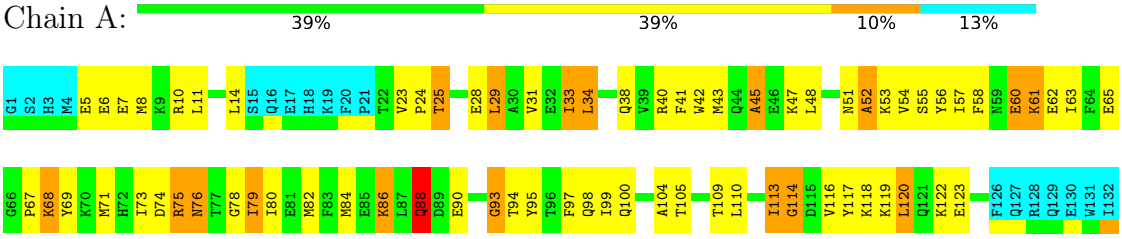
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: MYOMESIN-1

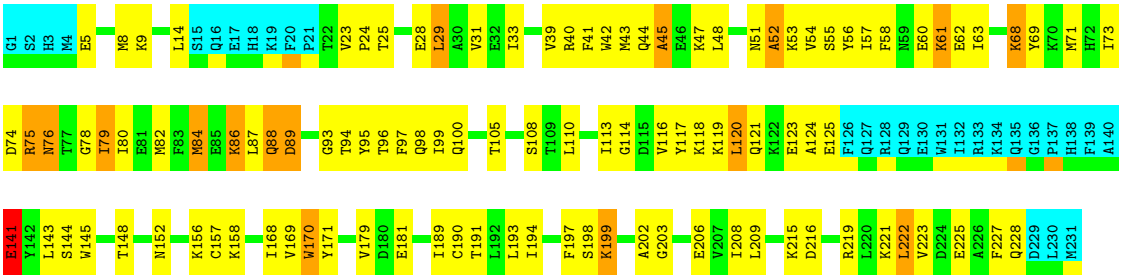
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: MYOMESIN-1

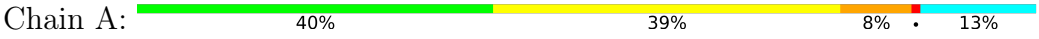
Chain A:

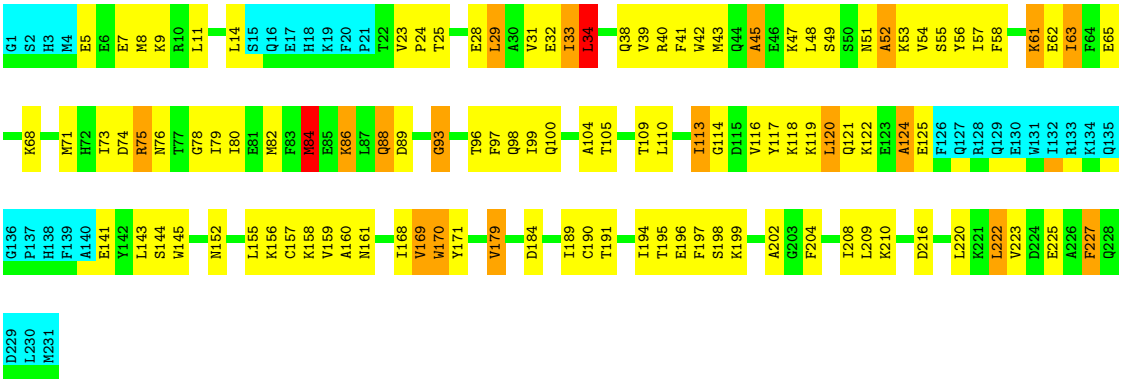


4.2.11 Score per residue for model 11 (medoid)

• Molecule 1: MYOMESIN-1

Chain A:

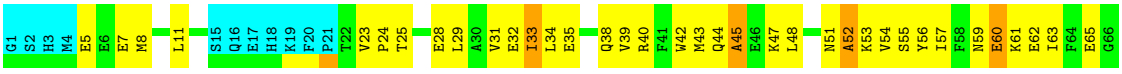


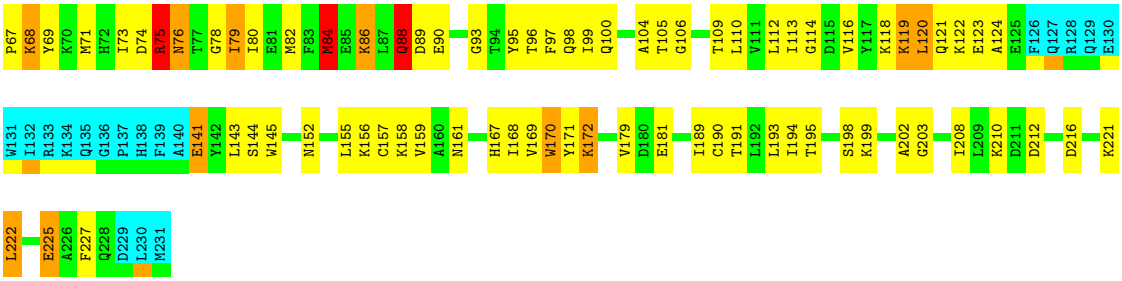


4.2.12 Score per residue for model 12

• Molecule 1: MYOMESIN-1

Chain A:

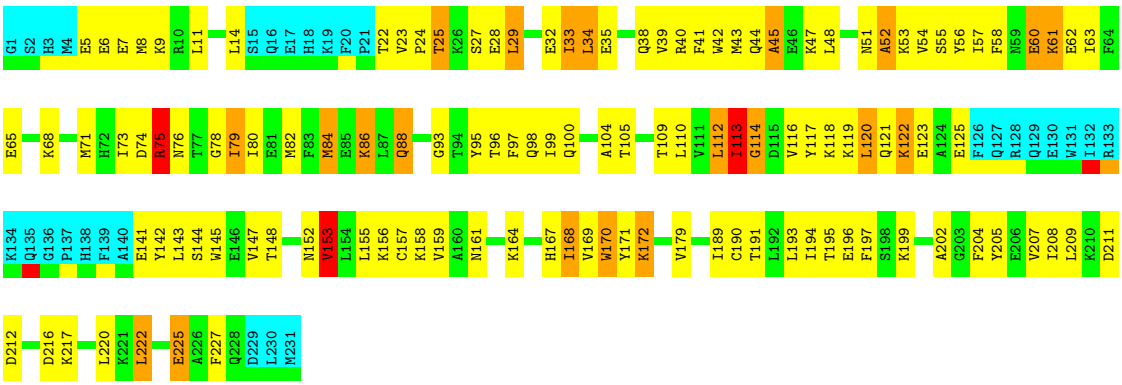




4.2.13 Score per residue for model 13

• Molecule 1: MYOMESIN-1

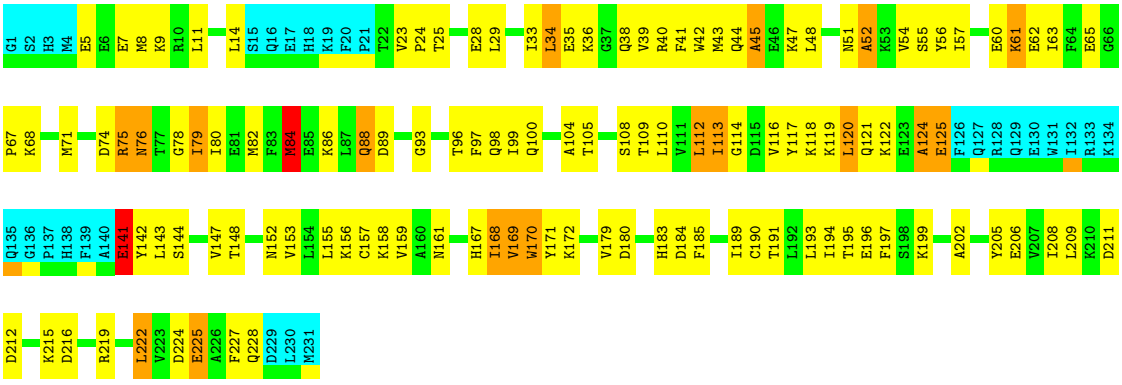
Chain A: 34% 43% 9% • 13%



4.2.14 Score per residue for model 14

• Molecule 1: MYOMESIN-1

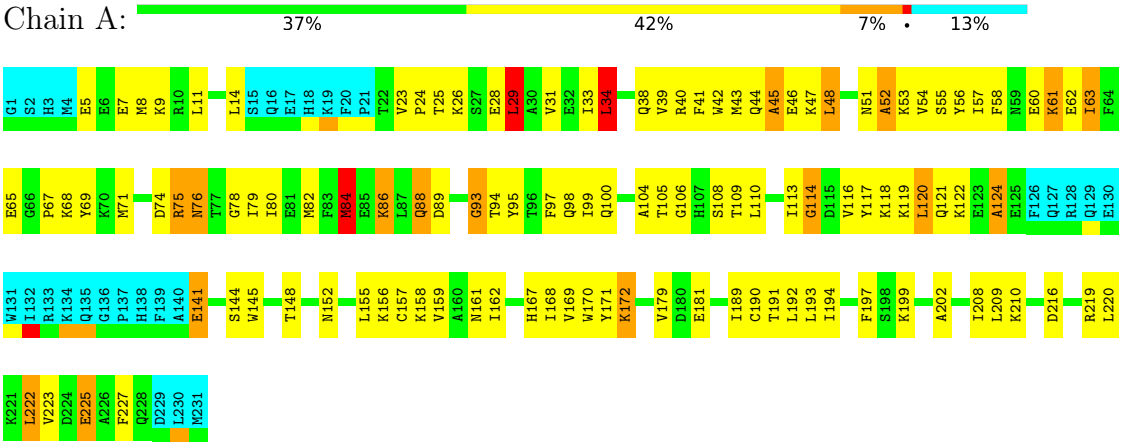
Chain A: 35% 44% 8% • 13%



4.2.15 Score per residue for model 15

• Molecule 1: MYOMESIN-1

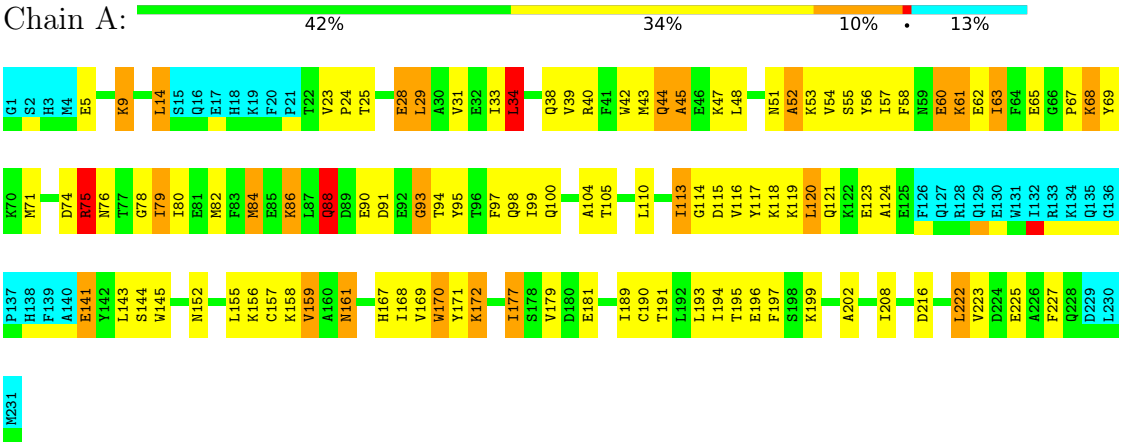
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: MYOMESIN-1

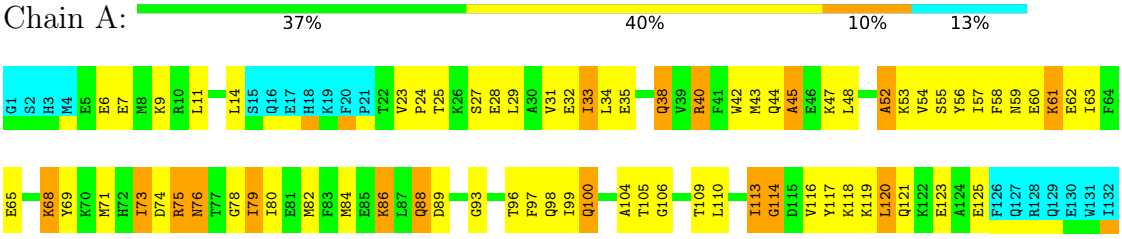
Chain A:

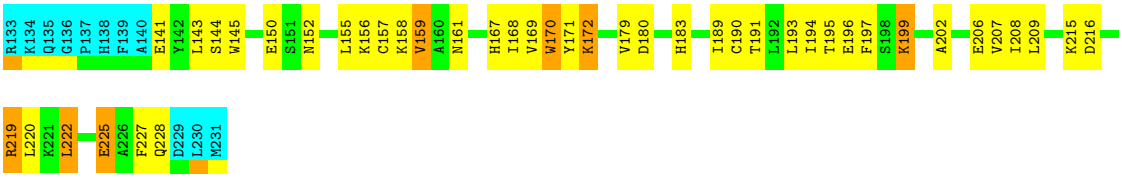


4.2.17 Score per residue for model 17

• Molecule 1: MYOMESIN-1

Chain A:

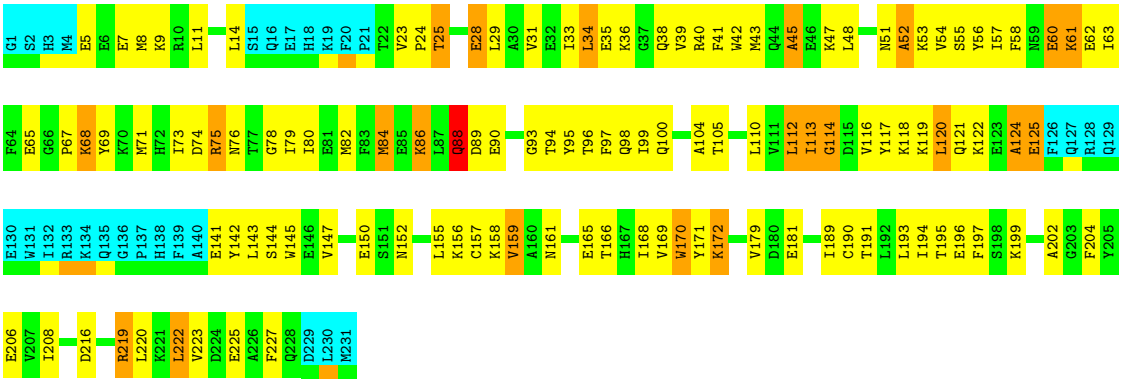




4.2.18 Score per residue for model 18

• Molecule 1: MYOMESIN-1

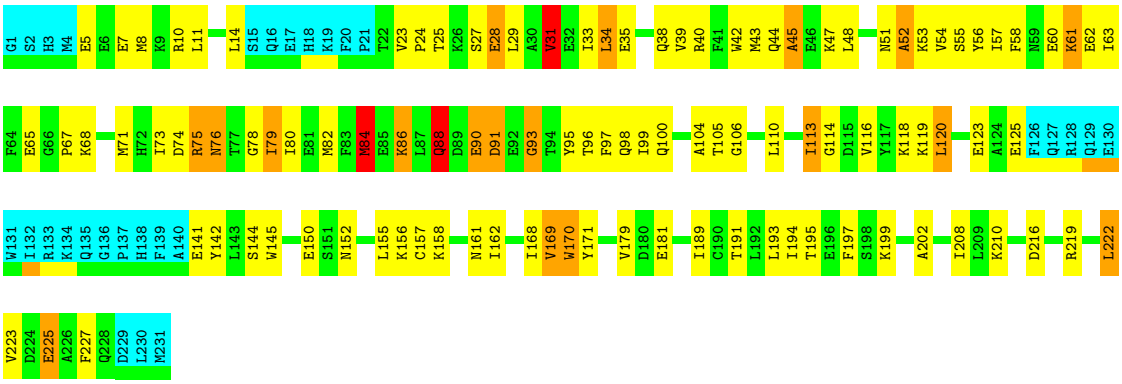
Chain A: 35% 42% 10% 13%



4.2.19 Score per residue for model 19

• Molecule 1: MYOMESIN-1

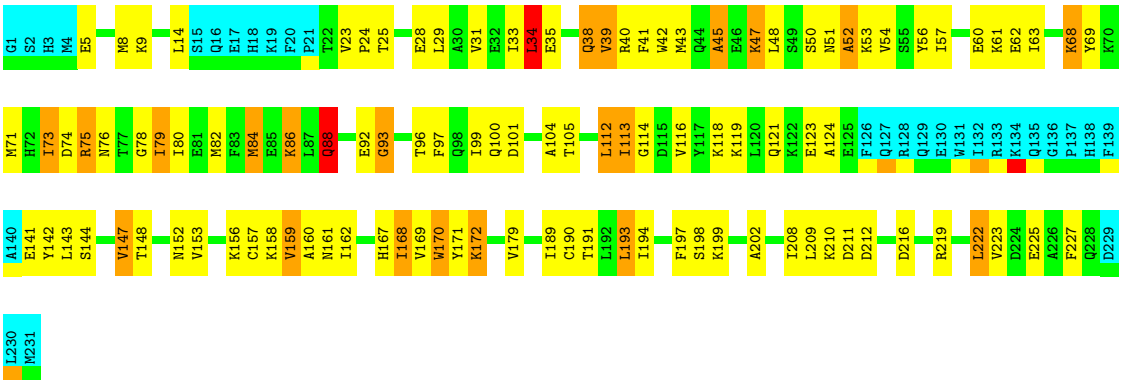
Chain A: 41% 37% 8% • 13%



4.2.20 Score per residue for model 20

• Molecule 1: MYOMESIN-1

Chain A: 41% 36% 9% • 13%


G1 S2 H3 M4 E5 M8 K9 L14 S15 Q16 E17 H18 K19 F20 P21 T22 V23 P24 T25 E28 L29 A30 V31 E32 I33 L34 E35 Q38 V39 R40 F41 W42 M43 Q44 A45 E46 K47 L48 S49 S50 N51 A52 K53 V54 S55 Y56 I57 E60 K61 E62 I63 K68 Y69 K70
M71 H72 I73 D74 R75 N76 T77 G78 I79 I80 E81 M82 F83 M84 E85 K86 L87 Q88 E92 G93 T96 F97 Q98 I99 Q100 D101 A104 T105 L112 I113 G114 D115 V116 Y117 K118 K119 L120 Q121 K122 E123 A124 E125 F126 Q127 R128 Q129 E130 W131 I132 R133 K134 Q135 G136 P137 H138 F139
A140 E141 Y142 L143 S144 V147 T148 N152 V153 K156 C157 K158 V159 A160 N161 I162 H167 I168 V169 W170 Y171 K172 V179 I189 C190 T191 L192 L193 I194 F197 S198 K199 A202 I208 L209 K210 D211 D212 D216 R219 L222 V223 D224 E225 A226 F227 Q228 D229
L230 M231

5 Refinement protocol and experimental data overview

The models were refined using the following method: *ARIA, XPLOR-NIH.*

Of the 1000 calculated structures, 20 were deposited, based on the following criterion: *LOWEST ENERGY.*

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

Software name	Classification	Version
Xplor-NIH	refinement	
CcpNmr Analysis	structure solution	2.4
ARIA	structure solution	2.3
CcpNmr Analysis	structure solution	2.2
Xplor-NIH	structure solution	2.33
NMRPipe	structure solution	0
DANGLE	structure solution	1.1

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	2122
Number of shifts mapped to atoms	2122
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	67%

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	1.17±0.02	3±2/1681 (0.2± 0.1%)	0.94±0.01	2±1/2254 (0.1± 0.0%)
All	All	1.17	64/33620 (0.2%)	0.94	31/45080 (0.1%)

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	124	ALA	C-O	-9.00	1.13	1.24	5	7
1	A	29	LEU	CA-C	-6.13	1.44	1.52	13	2
1	A	33	ILE	N-CA	-6.03	1.39	1.46	10	13
1	A	84	MET	C-N	-5.96	1.25	1.33	3	9
1	A	76	ASN	CA-C	-5.83	1.46	1.53	9	10
1	A	29	LEU	C-N	-5.79	1.28	1.33	13	3
1	A	112	LEU	CA-C	-5.52	1.47	1.53	13	3
1	A	113	ILE	N-CA	-5.43	1.39	1.46	13	1
1	A	54	VAL	C-N	-5.42	1.26	1.33	6	1
1	A	100	GLN	N-CA	-5.34	1.39	1.46	17	1
1	A	141	GLU	C-O	-5.32	1.18	1.24	12	7
1	A	31	VAL	CA-CB	5.32	1.60	1.54	8	2
1	A	39	VAL	CA-C	5.26	1.58	1.52	20	1
1	A	49	SER	CA-C	5.23	1.54	1.52	11	1
1	A	119	LYS	N-CA	-5.21	1.40	1.46	12	1
1	A	112	LEU	C-N	-5.18	1.26	1.33	1	1
1	A	48	LEU	N-CA	-5.07	1.40	1.46	15	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	153	VAL	N-CA-CB	8.27	120.43	111.00	1	7
1	A	28	GLU	N-CA-C	-6.96	104.79	112.72	5	18

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	9	LYS	N-CA-C	-6.04	104.98	112.90	17	1
1	A	90	GLU	N-CA-C	-5.48	106.38	112.57	9	2
1	A	193	LEU	N-CA-C	5.19	117.25	108.02	20	1
1	A	153	VAL	N-CA-C	5.03	115.10	107.80	6	1
1	A	212	ASP	N-CA-C	-5.03	106.89	112.57	12	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1653	1659	1659	85±6
All	All	33060	33180	33180	1707

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 26.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:48:LEU:HD13	1:A:78:GLY:HA3	0.95	1.38	7	20
1:A:141:GLU:HA	1:A:158:LYS:O	0.78	1.79	2	20
1:A:197:PHE:O	1:A:225:GLU:HB3	0.76	1.81	14	2
1:A:5:GLU:O	1:A:8:MET:HG3	0.75	1.80	12	17
1:A:27:SER:HB3	1:A:43:MET:HE2	0.75	1.58	8	1
1:A:40:ARG:HD3	1:A:42:TRP:CD1	0.75	2.17	17	19
1:A:157:CYS:O	1:A:189:ILE:HG23	0.74	1.83	17	20
1:A:22:THR:HA	1:A:27:SER:O	0.73	1.83	8	2
1:A:43:MET:SD	1:A:80:ILE:HD12	0.72	2.24	11	20
1:A:57:ILE:HD11	1:A:62:GLU:HG2	0.71	1.60	12	20
1:A:31:VAL:HG23	1:A:110:LEU:HD13	0.71	1.60	8	16
1:A:199:LYS:N	1:A:225:GLU:HG3	0.71	2.00	14	19
1:A:71:MET:HG2	1:A:82:MET:SD	0.70	2.25	7	20
1:A:29:LEU:HA	1:A:42:TRP:O	0.70	1.86	8	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:156:LYS:HB3	1:A:191:THR:HG22	0.69	1.65	13	20
1:A:114:GLY:O	1:A:118:LYS:HD3	0.68	1.88	8	20
1:A:197:PHE:CE2	1:A:202:ALA:HA	0.68	2.23	14	18
1:A:40:ARG:HD3	1:A:42:TRP:NE1	0.68	2.03	12	2
1:A:24:PRO:HG2	1:A:105:THR:O	0.67	1.89	5	19
1:A:225:GLU:H	1:A:225:GLU:CD	0.66	1.98	14	19
1:A:119:LYS:HA	1:A:122:LYS:NZ	0.66	2.06	7	7
1:A:61:LYS:HG2	1:A:62:GLU:N	0.65	2.06	14	11
1:A:29:LEU:HB2	1:A:43:MET:HB3	0.65	1.67	17	20
1:A:29:LEU:CD2	1:A:97:PHE:HB2	0.65	2.21	7	19
1:A:34:LEU:HD21	1:A:40:ARG:NH1	0.64	2.07	18	14
1:A:170:TRP:CH2	1:A:179:VAL:HB	0.64	2.27	5	19
1:A:168:ILE:HA	1:A:208:ILE:O	0.64	1.92	16	17
1:A:68:LYS:HE3	1:A:69:TYR:CD2	0.64	2.27	1	13
1:A:119:LYS:O	1:A:122:LYS:HG3	0.63	1.93	8	4
1:A:223:VAL:HG13	1:A:225:GLU:OE2	0.63	1.93	2	9
1:A:7:GLU:O	1:A:11:LEU:HD23	0.63	1.94	7	14
1:A:57:ILE:CD1	1:A:62:GLU:HG2	0.62	2.25	10	18
1:A:59:ASN:O	1:A:60:GLU:HB2	0.61	1.96	12	2
1:A:45:ALA:HB3	1:A:78:GLY:O	0.61	1.95	10	19
1:A:194:ILE:CD1	1:A:222:LEU:HD21	0.61	2.25	7	19
1:A:171:TYR:CD2	1:A:208:ILE:HG13	0.61	2.30	3	20
1:A:48:LEU:CD1	1:A:78:GLY:HA3	0.61	2.25	4	15
1:A:156:LYS:HA	1:A:190:CYS:O	0.61	1.96	1	17
1:A:116:VAL:O	1:A:119:LYS:HB3	0.60	1.97	9	20
1:A:194:ILE:CG2	1:A:197:PHE:HB2	0.60	2.26	14	2
1:A:100:GLN:HB2	1:A:104:ALA:O	0.59	1.98	15	19
1:A:155:LEU:O	1:A:191:THR:HA	0.59	1.97	15	12
1:A:119:LYS:HA	1:A:122:LYS:HZ2	0.58	1.57	12	4
1:A:56:TYR:OH	1:A:73:ILE:HD11	0.58	1.99	12	11
1:A:11:LEU:H	1:A:11:LEU:HD22	0.58	1.59	19	1
1:A:43:MET:HE3	1:A:99:ILE:HD13	0.57	1.75	7	12
1:A:65:GLU:HB3	1:A:71:MET:SD	0.57	2.39	15	17
1:A:34:LEU:HB2	1:A:38:GLN:HG2	0.57	1.77	11	15
1:A:86:LYS:HD3	1:A:88:GLN:NE2	0.57	2.13	12	20
1:A:33:ILE:HA	1:A:38:GLN:O	0.57	1.98	6	13
1:A:58:PHE:O	1:A:61:LYS:HD2	0.57	2.00	9	8
1:A:156:LYS:CB	1:A:191:THR:HG22	0.57	2.28	7	6
1:A:47:LYS:O	1:A:48:LEU:HD12	0.57	2.00	9	19
1:A:141:GLU:HG3	1:A:159:VAL:HG23	0.57	1.77	17	4
1:A:43:MET:SD	1:A:45:ALA:HB2	0.56	2.39	10	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:204:PHE:HA	1:A:220:LEU:O	0.56	2.01	3	5
1:A:93:GLY:N	1:A:113:ILE:HG12	0.56	2.16	12	6
1:A:55:SER:HB2	1:A:98:GLN:HG2	0.56	1.78	14	16
1:A:148:THR:HG22	1:A:152:ASN:O	0.55	2.01	13	6
1:A:39:VAL:HB	1:A:84:MET:HB3	0.55	1.78	6	13
1:A:57:ILE:HB	1:A:96:THR:O	0.55	2.01	20	14
1:A:54:VAL:HG23	1:A:99:ILE:HG13	0.55	1.77	2	19
1:A:56:TYR:C	1:A:57:ILE:HD12	0.54	2.26	3	20
1:A:39:VAL:HB	1:A:84:MET:O	0.54	2.02	19	3
1:A:145:TRP:NE1	1:A:222:LEU:HB2	0.54	2.17	13	4
1:A:33:ILE:HD13	1:A:121:GLN:HE21	0.54	1.62	1	11
1:A:160:ALA:O	1:A:162:ILE:N	0.54	2.41	20	1
1:A:210:LYS:O	1:A:210:LYS:HD2	0.54	2.03	6	2
1:A:153:VAL:HG23	1:A:194:ILE:CG2	0.54	2.33	13	1
1:A:27:SER:CB	1:A:43:MET:HB2	0.53	2.34	8	1
1:A:54:VAL:HG21	1:A:80:ILE:HD13	0.53	1.79	17	15
1:A:41:PHE:CE1	1:A:82:MET:HE2	0.53	2.38	6	13
1:A:193:LEU:HD23	1:A:195:THR:CG2	0.53	2.33	4	4
1:A:194:ILE:HG22	1:A:194:ILE:O	0.53	2.03	12	16
1:A:154:LEU:HA	1:A:192:LEU:O	0.53	2.04	6	1
1:A:74:ASP:O	1:A:76:ASN:N	0.53	2.42	7	20
1:A:48:LEU:HA	1:A:52:ALA:CB	0.53	2.34	8	10
1:A:211:ASP:CG	1:A:212:ASP:H	0.53	2.12	1	5
1:A:34:LEU:HB3	1:A:38:GLN:NE2	0.53	2.18	17	1
1:A:142:TYR:O	1:A:157:CYS:HA	0.52	2.04	19	10
1:A:195:THR:O	1:A:196:GLU:HB3	0.52	2.03	13	13
1:A:93:GLY:O	1:A:113:ILE:HG12	0.52	2.04	8	11
1:A:23:VAL:HB	1:A:24:PRO:HD2	0.52	1.81	9	20
1:A:119:LYS:HA	1:A:122:LYS:HZ3	0.52	1.63	15	2
1:A:47:LYS:C	1:A:48:LEU:HD12	0.52	2.29	8	15
1:A:82:MET:SD	1:A:97:PHE:HZ	0.52	2.27	14	8
1:A:31:VAL:CG2	1:A:110:LEU:HD13	0.52	2.34	11	2
1:A:6:GLU:HA	1:A:62:GLU:OE2	0.52	2.05	13	1
1:A:26:LYS:HD2	1:A:46:GLU:OE2	0.52	2.04	15	1
1:A:109:THR:C	1:A:110:LEU:HD23	0.52	2.30	2	7
1:A:122:LYS:O	1:A:125:GLU:HB2	0.51	2.05	11	1
1:A:157:CYS:SG	1:A:168:ILE:HD13	0.51	2.45	10	7
1:A:100:GLN:HB3	1:A:105:THR:HG22	0.51	1.82	10	19
1:A:170:TRP:HB3	1:A:205:TYR:CE2	0.51	2.40	1	4
1:A:145:TRP:HB3	1:A:155:LEU:HD22	0.51	1.81	11	8
1:A:147:VAL:HA	1:A:152:ASN:O	0.51	2.05	6	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:61:LYS:HB3	1:A:61:LYS:NZ	0.51	2.21	17	3
1:A:100:GLN:CB	1:A:105:THR:HG22	0.51	2.35	16	19
1:A:209:LEU:O	1:A:215:LYS:HA	0.51	2.06	1	5
1:A:160:ALA:O	1:A:162:ILE:HG22	0.51	2.05	20	1
1:A:198:SER:C	1:A:225:GLU:HG3	0.50	2.31	3	6
1:A:23:VAL:HG22	1:A:27:SER:OG	0.50	2.06	8	3
1:A:179:VAL:HG21	1:A:192:LEU:HD11	0.50	1.82	15	1
1:A:152:ASN:HB3	1:A:194:ILE:O	0.50	2.06	12	10
1:A:207:VAL:O	1:A:217:LYS:HA	0.50	2.07	1	1
1:A:167:HIS:CG	1:A:168:ILE:H	0.50	2.24	15	10
1:A:6:GLU:HG2	1:A:7:GLU:N	0.50	2.21	17	2
1:A:202:ALA:HB2	1:A:225:GLU:CD	0.50	2.32	9	2
1:A:49:SER:N	1:A:52:ALA:HB2	0.50	2.22	6	1
1:A:117:TYR:HA	1:A:120:LEU:CD2	0.50	2.37	3	14
1:A:6:GLU:H	1:A:6:GLU:CD	0.50	2.15	3	1
1:A:42:TRP:CD1	1:A:42:TRP:N	0.49	2.80	5	9
1:A:31:VAL:HG21	1:A:112:LEU:CD2	0.49	2.36	20	3
1:A:57:ILE:O	1:A:95:TYR:HA	0.49	2.06	10	13
1:A:152:ASN:HD22	1:A:193:LEU:HD21	0.49	1.67	1	18
1:A:76:ASN:C	1:A:78:GLY:H	0.49	2.14	8	18
1:A:117:TYR:HA	1:A:120:LEU:HD22	0.49	1.84	11	16
1:A:32:GLU:OE1	1:A:40:ARG:HD2	0.49	2.08	13	2
1:A:152:ASN:HA	1:A:194:ILE:O	0.49	2.07	7	4
1:A:208:ILE:C	1:A:209:LEU:HD22	0.49	2.32	4	12
1:A:168:ILE:HD11	1:A:190:CYS:SG	0.49	2.48	8	5
1:A:33:ILE:HG21	1:A:124:ALA:HB2	0.49	1.84	12	1
1:A:54:VAL:HG21	1:A:80:ILE:CD1	0.49	2.38	2	3
1:A:202:ALA:HB2	1:A:225:GLU:OE1	0.49	2.07	17	8
1:A:121:GLN:O	1:A:124:ALA:HB3	0.48	2.08	12	16
1:A:93:GLY:CA	1:A:113:ILE:HG12	0.48	2.39	11	5
1:A:7:GLU:O	1:A:10:ARG:HB2	0.48	2.08	19	1
1:A:34:LEU:HD21	1:A:40:ARG:HH11	0.48	1.66	3	2
1:A:23:VAL:HG23	1:A:25:THR:H	0.48	1.68	17	6
1:A:150:GLU:HB3	1:A:152:ASN:ND2	0.48	2.23	4	10
1:A:29:LEU:HD21	1:A:97:PHE:HB2	0.48	1.86	17	11
1:A:14:LEU:O	1:A:14:LEU:HG	0.48	2.08	16	1
1:A:90:GLU:O	1:A:91:ASP:HB3	0.47	2.10	2	4
1:A:122:LYS:O	1:A:125:GLU:HG3	0.47	2.09	18	1
1:A:222:LEU:HD12	1:A:223:VAL:N	0.47	2.23	4	6
1:A:31:VAL:HG21	1:A:112:LEU:HD23	0.47	1.85	20	2
1:A:143:LEU:HD13	1:A:207:VAL:HG23	0.47	1.86	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:156:LYS:O	1:A:156:LYS:HG3	0.47	2.09	15	3
1:A:60:GLU:O	1:A:60:GLU:HG2	0.47	2.10	1	6
1:A:58:PHE:HA	1:A:94:THR:O	0.47	2.09	4	9
1:A:194:ILE:O	1:A:194:ILE:HG22	0.47	2.10	20	4
1:A:152:ASN:CG	1:A:195:THR:HA	0.47	2.35	18	11
1:A:227:PHE:N	1:A:227:PHE:CD1	0.47	2.83	12	16
1:A:143:LEU:HD12	1:A:143:LEU:N	0.47	2.25	11	12
1:A:33:ILE:HD13	1:A:121:GLN:NE2	0.47	2.24	18	2
1:A:98:GLN:HA	1:A:106:GLY:O	0.47	2.10	7	5
1:A:180:ASP:OD2	1:A:183:HIS:HB2	0.47	2.10	17	4
1:A:89:ASP:CG	1:A:90:GLU:H	0.47	2.18	3	5
1:A:203:GLY:O	1:A:221:LYS:HA	0.47	2.10	12	2
1:A:59:ASN:O	1:A:60:GLU:HB3	0.46	2.10	8	1
1:A:145:TRP:CE2	1:A:222:LEU:HD13	0.46	2.46	18	2
1:A:109:THR:O	1:A:110:LEU:HD23	0.46	2.11	9	7
1:A:93:GLY:HA3	1:A:112:LEU:O	0.46	2.11	5	3
1:A:155:LEU:CD2	1:A:194:ILE:HD12	0.46	2.41	1	2
1:A:41:PHE:CD2	1:A:110:LEU:HD12	0.46	2.46	11	3
1:A:40:ARG:HD3	1:A:42:TRP:HE1	0.46	1.69	12	1
1:A:143:LEU:CD1	1:A:207:VAL:HG23	0.46	2.41	2	1
1:A:31:VAL:HG11	1:A:120:LEU:HD23	0.46	1.86	2	1
1:A:199:LYS:CA	1:A:225:GLU:HG3	0.46	2.41	7	3
1:A:29:LEU:HB2	1:A:43:MET:CB	0.46	2.38	19	4
1:A:82:MET:SD	1:A:97:PHE:CZ	0.46	3.08	16	3
1:A:28:GLU:H	1:A:43:MET:HA	0.46	1.71	16	1
1:A:44:GLN:HA	1:A:79:ILE:HD13	0.46	1.87	14	10
1:A:216:ASP:O	1:A:217:LYS:HB3	0.46	2.11	2	1
1:A:159:VAL:HG21	1:A:167:HIS:CB	0.46	2.41	20	1
1:A:65:GLU:HA	1:A:69:TYR:O	0.45	2.11	15	1
1:A:143:LEU:H	1:A:143:LEU:HD12	0.45	1.71	4	4
1:A:157:CYS:SG	1:A:168:ILE:HG12	0.45	2.52	20	3
1:A:152:ASN:ND2	1:A:193:LEU:HD21	0.45	2.27	4	2
1:A:44:GLN:HG2	1:A:79:ILE:HD11	0.45	1.89	17	6
1:A:96:THR:OG1	1:A:109:THR:HG23	0.45	2.12	7	2
1:A:34:LEU:HB2	1:A:38:GLN:NE2	0.45	2.26	20	1
1:A:56:TYR:CE1	1:A:71:MET:SD	0.45	3.10	16	1
1:A:29:LEU:CB	1:A:43:MET:HB3	0.45	2.39	8	1
1:A:119:LYS:O	1:A:122:LYS:HG2	0.45	2.12	18	1
1:A:143:LEU:HD23	1:A:220:LEU:HD22	0.45	1.89	1	1
1:A:113:ILE:O	1:A:114:GLY:C	0.45	2.60	18	4
1:A:43:MET:HE1	1:A:45:ALA:HB2	0.45	1.87	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:51:ASN:O	1:A:52:ALA:C	0.45	2.60	13	19
1:A:56:TYR:O	1:A:57:ILE:HD12	0.45	2.12	3	1
1:A:32:GLU:OE2	1:A:34:LEU:HA	0.45	2.11	11	1
1:A:88:GLN:N	1:A:88:GLN:OE1	0.45	2.51	15	4
1:A:169:VAL:HG13	1:A:208:ILE:HB	0.44	1.89	19	3
1:A:58:PHE:HB3	1:A:63:ILE:HG21	0.44	1.89	15	1
1:A:120:LEU:N	1:A:120:LEU:HD13	0.44	2.26	12	8
1:A:23:VAL:HB	1:A:24:PRO:CD	0.44	2.42	1	6
1:A:47:LYS:HE2	1:A:49:SER:HB3	0.44	1.88	1	2
1:A:57:ILE:CG2	1:A:96:THR:HB	0.44	2.42	3	2
1:A:100:GLN:CB	1:A:104:ALA:O	0.44	2.65	2	9
1:A:35:GLU:HB3	1:A:36:LYS:HE2	0.44	1.89	14	2
1:A:75:ARG:HD2	1:A:75:ARG:N	0.44	2.28	3	5
1:A:219:ARG:O	1:A:219:ARG:HD2	0.44	2.13	17	3
1:A:25:THR:CG2	1:A:45:ALA:HA	0.44	2.43	1	3
1:A:69:TYR:CZ	1:A:95:TYR:HE1	0.44	2.31	16	1
1:A:29:LEU:HD23	1:A:108:SER:HB3	0.43	1.90	14	4
1:A:41:PHE:CD1	1:A:82:MET:HE2	0.43	2.48	6	2
1:A:164:LYS:HG2	1:A:211:ASP:C	0.43	2.38	13	1
1:A:47:LYS:CG	1:A:101:ASP:HB2	0.43	2.43	20	1
1:A:206:GLU:HG2	1:A:219:ARG:HG2	0.43	1.90	2	7
1:A:227:PHE:CD1	1:A:227:PHE:N	0.43	2.86	9	4
1:A:27:SER:HA	1:A:44:GLN:H	0.43	1.73	8	1
1:A:122:LYS:O	1:A:125:GLU:HB3	0.43	2.13	13	4
1:A:39:VAL:HB	1:A:84:MET:CB	0.43	2.42	6	3
1:A:22:THR:HA	1:A:27:SER:OG	0.43	2.13	4	1
1:A:49:SER:H	1:A:52:ALA:HB2	0.43	1.73	6	1
1:A:34:LEU:HB2	1:A:38:GLN:CG	0.43	2.44	9	3
1:A:153:VAL:HG23	1:A:194:ILE:HB	0.43	1.90	13	1
1:A:58:PHE:HB3	1:A:63:ILE:CG2	0.43	2.44	8	3
1:A:88:GLN:OE1	1:A:88:GLN:N	0.43	2.52	1	8
1:A:48:LEU:HA	1:A:52:ALA:HB1	0.43	1.91	8	4
1:A:152:ASN:OD1	1:A:195:THR:HA	0.43	2.14	2	5
1:A:56:TYR:HB2	1:A:63:ILE:HG12	0.43	1.91	16	1
1:A:87:LEU:O	1:A:89:ASP:N	0.42	2.52	10	1
1:A:33:ILE:HG23	1:A:38:GLN:O	0.42	2.14	14	1
1:A:92:GLU:HA	1:A:113:ILE:HG23	0.42	1.92	1	1
1:A:145:TRP:CD1	1:A:222:LEU:HD22	0.42	2.49	17	2
1:A:171:TYR:CB	1:A:206:GLU:HB2	0.42	2.45	5	1
1:A:6:GLU:O	1:A:10:ARG:HD2	0.42	2.15	9	1
1:A:86:LYS:HD3	1:A:88:GLN:CD	0.42	2.40	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:69:TYR:CZ	1:A:95:TYR:HE2	0.42	2.33	9	1
1:A:153:VAL:HG22	1:A:194:ILE:HB	0.41	1.89	2	1
1:A:79:ILE:HD13	1:A:79:ILE:HA	0.41	1.75	9	4
1:A:28:GLU:HG2	1:A:42:TRP:CZ3	0.41	2.50	4	1
1:A:34:LEU:HD12	1:A:35:GLU:H	0.41	1.74	17	1
1:A:153:VAL:HG23	1:A:194:ILE:CB	0.41	2.44	13	1
1:A:97:PHE:HB3	1:A:99:ILE:HD11	0.41	1.92	14	1
1:A:143:LEU:HD23	1:A:220:LEU:CD2	0.41	2.45	1	1
1:A:39:VAL:HG22	1:A:117:TYR:OH	0.41	2.16	7	1
1:A:206:GLU:HA	1:A:219:ARG:CB	0.41	2.46	14	2
1:A:31:VAL:HG11	1:A:112:LEU:HD21	0.41	1.91	4	1
1:A:95:TYR:O	1:A:109:THR:HA	0.41	2.16	5	1
1:A:207:VAL:O	1:A:217:LYS:HB2	0.41	2.16	13	1
1:A:194:ILE:HG21	1:A:197:PHE:HB2	0.41	1.92	14	1
1:A:170:TRP:O	1:A:177:ILE:HB	0.41	2.16	16	1
1:A:33:ILE:CD1	1:A:124:ALA:HB2	0.41	2.46	1	1
1:A:199:LYS:HA	1:A:225:GLU:HG3	0.41	1.91	7	1
1:A:223:VAL:HA	1:A:225:GLU:OE2	0.41	2.16	9	1
1:A:224:ASP:N	1:A:225:GLU:OE2	0.41	2.50	14	1
1:A:155:LEU:HD21	1:A:194:ILE:HD12	0.41	1.91	17	2
1:A:43:MET:HE3	1:A:99:ILE:CD1	0.41	2.46	19	1
1:A:57:ILE:HB	1:A:96:THR:HB	0.41	1.93	3	1
1:A:225:GLU:HA	1:A:228:GLN:HB2	0.41	1.93	9	1
1:A:76:ASN:C	1:A:77:THR:HG23	0.41	2.41	2	1
1:A:74:ASP:C	1:A:76:ASN:H	0.41	2.24	11	1
1:A:143:LEU:N	1:A:143:LEU:HD12	0.41	2.31	14	1
1:A:27:SER:C	1:A:29:LEU:H	0.41	2.23	19	1
1:A:155:LEU:HD23	1:A:194:ILE:HD12	0.40	1.94	1	2
1:A:206:GLU:HA	1:A:219:ARG:HG2	0.40	1.93	8	1
1:A:6:GLU:HG3	1:A:7:GLU:N	0.40	2.30	9	1
1:A:205:TYR:O	1:A:219:ARG:HB2	0.40	2.16	14	1
1:A:165:GLU:HG3	1:A:166:THR:H	0.40	1.75	18	2
1:A:73:ILE:HG23	1:A:79:ILE:O	0.40	2.16	12	1
1:A:170:TRP:CZ3	1:A:179:VAL:HB	0.40	2.51	16	1
1:A:141:GLU:CG	1:A:159:VAL:HG23	0.40	2.46	2	1
1:A:150:GLU:HG2	1:A:150:GLU:O	0.40	2.16	3	1
1:A:168:ILE:HD13	1:A:207:VAL:HG22	0.40	1.91	13	1
1:A:9:LYS:O	1:A:13:ALA:HB2	0.40	2.16	8	1
1:A:41:PHE:HB2	1:A:82:MET:HB3	0.40	1.94	20	1
1:A:6:GLU:O	1:A:9:LYS:HB2	0.40	2.16	2	1
1:A:34:LEU:CB	1:A:38:GLN:HG2	0.40	2.45	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:124:ALA:O	1:A:125:GLU:C	0.40	2.64	6	1
1:A:31:VAL:HG21	1:A:112:LEU:HD21	0.40	1.94	12	1
1:A:5:GLU:O	1:A:9:LYS:HB2	0.40	2.15	16	1
1:A:141:GLU:HG2	1:A:209:LEU:HD11	0.40	1.94	17	1
1:A:141:GLU:HG3	1:A:159:VAL:HA	0.40	1.93	18	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	202/231 (87%)	148±3 (73±1%)	40±3 (20±2%)	14±2 (7±1%)	2	16
All	All	4040/4620 (87%)	2950 (73%)	803 (20%)	287 (7%)	2	16

All 29 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	45	ALA	20
1	A	52	ALA	20
1	A	75	ARG	20
1	A	88	GLN	20
1	A	144	SER	20
1	A	86	LYS	19
1	A	216	ASP	19
1	A	25	THR	18
1	A	60	GLU	18
1	A	172	LYS	17
1	A	161	ASN	16
1	A	67	PRO	13
1	A	93	GLY	10
1	A	114	GLY	9
1	A	29	LEU	8
1	A	89	ASP	8
1	A	125	GLU	5

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Mol	Chain	Res	Type	Models (Total)
1	A	181	GLU	5
1	A	34	LEU	5
1	A	50	SER	3
1	A	162	ILE	3
1	A	199	LYS	3
1	A	185	PHE	2
1	A	217	LYS	1
1	A	24	PRO	1
1	A	63	ILE	1
1	A	194	ILE	1
1	A	167	HIS	1
1	A	91	ASP	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	182/208 (88%)	160±3 (88±2%)	22±3 (12±2%)	7 49
All	All	3640/4160 (88%)	3200 (88%)	440 (12%)	7 49

All 54 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	61	LYS	20
1	A	63	ILE	20
1	A	68	LYS	20
1	A	75	ARG	20
1	A	79	ILE	20
1	A	84	MET	20
1	A	169	VAL	20
1	A	170	TRP	20
1	A	222	LEU	20
1	A	14	LEU	19
1	A	34	LEU	18
1	A	120	LEU	18
1	A	53	LYS	17

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Mol	Chain	Res	Type	Models (Total)
1	A	113	ILE	15
1	A	172	LYS	14
1	A	210	LYS	12
1	A	225	GLU	11
1	A	159	VAL	11
1	A	147	VAL	9
1	A	88	GLN	9
1	A	112	LEU	8
1	A	9	LYS	8
1	A	181	GLU	7
1	A	148	THR	6
1	A	73	ILE	6
1	A	168	ILE	6
1	A	31	VAL	5
1	A	92	GLU	5
1	A	219	ARG	5
1	A	161	ASN	4
1	A	220	LEU	4
1	A	44	GLN	4
1	A	141	GLU	4
1	A	216	ASP	3
1	A	207	VAL	3
1	A	28	GLU	3
1	A	184	ASP	3
1	A	153	VAL	2
1	A	177	ILE	2
1	A	85	GLU	2
1	A	122	LYS	2
1	A	38	GLN	2
1	A	125	GLU	2
1	A	143	LEU	1
1	A	71	MET	1
1	A	23	VAL	1
1	A	179	VAL	1
1	A	227	PHE	1
1	A	32	GLU	1
1	A	115	ASP	1
1	A	40	ARG	1
1	A	59	ASN	1
1	A	55	SER	1
1	A	47	LYS	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 67% for the well-defined parts and 65% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list*

7.1.1 Bookkeeping

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

Total number of shifts	2122
Number of shifts mapped to atoms	2122
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	3

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	129	0.16 ± 0.09	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	110	-0.20 ± 0.17	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	205	-0.33 ± 0.32	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 67%, i.e. 1905 atoms were assigned a chemical shift out of a possible 2844. 0 out of 31 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	676/1017 (66%)	377/413 (91%)	113/404 (28%)	186/200 (93%)
Sidechain	1108/1610 (69%)	830/1035 (80%)	266/519 (51%)	12/56 (21%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	121/217 (56%)	78/107 (73%)	40/103 (39%)	3/7 (43%)
Overall	1905/2844 (67%)	1285/1555 (83%)	419/1026 (41%)	201/263 (76%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 65%, i.e. 2107 atoms were assigned a chemical shift out of a possible 3265. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	748/1160 (64%)	414/471 (88%)	129/462 (28%)	205/227 (90%)
Sidechain	1218/1825 (67%)	911/1172 (78%)	291/585 (50%)	16/68 (24%)
Aromatic	141/280 (50%)	93/140 (66%)	44/129 (34%)	4/11 (36%)
Overall	2107/3265 (65%)	1418/1783 (80%)	464/1176 (39%)	225/306 (74%)

7.1.4 Statistically unusual chemical shifts (i)

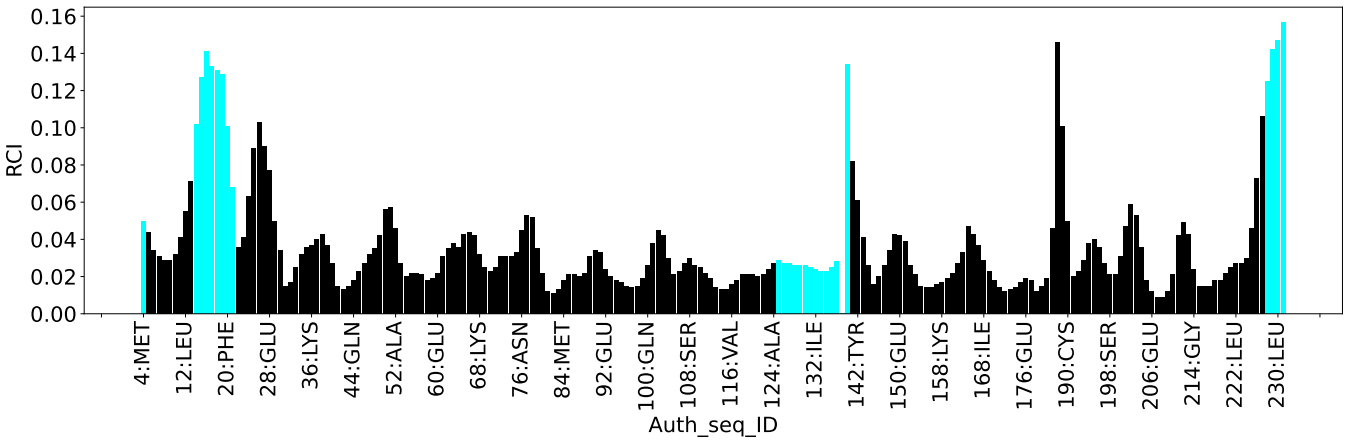
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	25	THR	HG1	5.12	0.08 – 2.19	18.9
1	A	36	LYS	HG2	-0.31	0.13 – 2.61	-6.8
1	A	205	TYR	HH	-0.79	0.99 – 17.18	-6.1

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:


RCI
0.16
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
4:MET
12:LEU
20:PHE
28:GLU
36:LYS
44:GLN
52:ALA
60:GLU
68:LYS
76:ASN
84:MET
92:GLU
100:GLN
108:SER
116:VAL
124:ALA
132:ILE
142:TYR
150:GLU
158:LYS
168:ILE
176:GLU
190:CYS
198:SER
206:GLU
214:GLY
222:LEU
230:LEU
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	2710
Intra-residue (|i-j|=0)	849
Sequential (|i-j|=1)	670
Medium range (|i-j|>1 and |i-j|<5)	351
Long range (|i-j|≥5)	682
Inter-chain	0
Hydrogen bond restraints	158
Disulfide bond restraints	0
Total dihedral-angle restraints	311
Number of unmapped restraints	0
Number of restraints per residue	13.1
Number of long range restraints per residue[1]	3.4

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	137.7	0.2
0.2-0.5 (Medium)	180.8	0.5
>0.5 (Large)	98.2	7.87

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	22.7	9.9
10.0-20.0 (Medium)	1.6	16.93
>20.0 (Large)	None	None

9 Distance violation analysis (i)

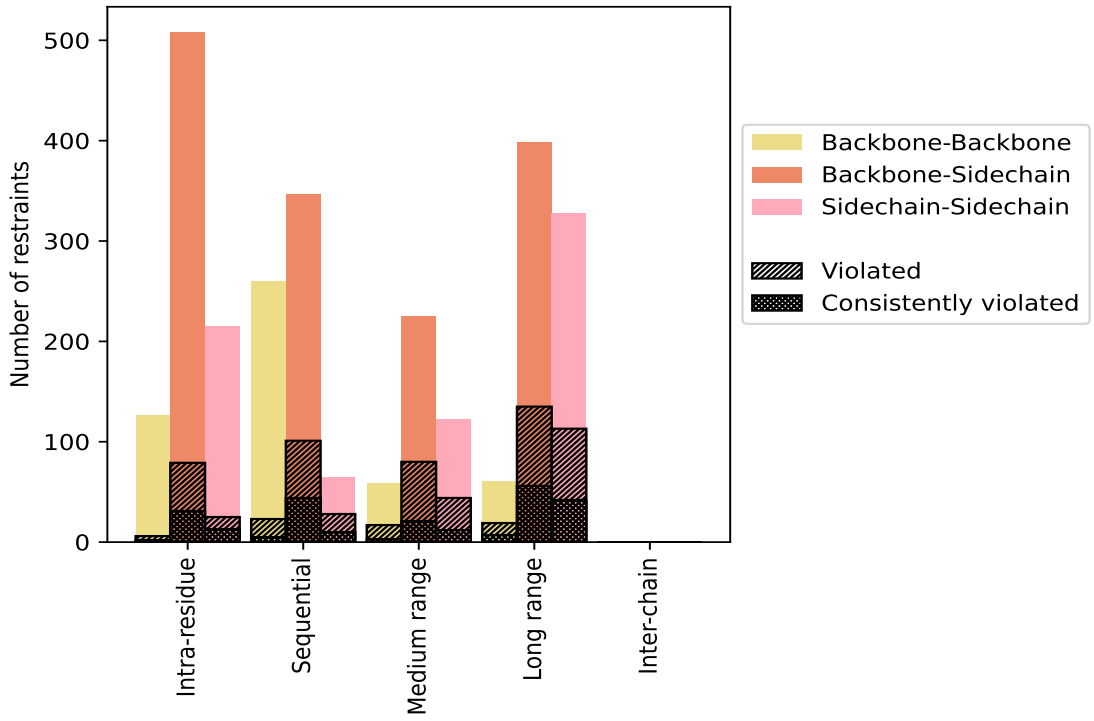
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	849	31.3	110	13.0	4.1	46	5.4	1.7
Backbone-Backbone	126	4.6	6	4.8	0.2	2	1.6	0.1
Backbone-Sidechain	508	18.7	79	15.6	2.9	31	6.1	1.1
Sidechain-Sidechain	215	7.9	25	11.6	0.9	13	6.0	0.5
Sequential (|i-j|=1)	670	24.7	152	22.7	5.6	59	8.8	2.2
Backbone-Backbone	260	9.6	23	8.8	0.8	5	1.9	0.2
Backbone-Sidechain	346	12.8	101	29.2	3.7	44	12.7	1.6
Sidechain-Sidechain	64	2.4	28	43.8	1.0	10	15.6	0.4
Medium range (|i-j|>1 & |i-j|<5)	351	13.0	120	34.2	4.4	32	9.1	1.2
Backbone-Backbone	58	2.1	17	29.3	0.6	3	5.2	0.1
Backbone-Sidechain	171	6.3	59	34.5	2.2	17	9.9	0.6
Sidechain-Sidechain	122	4.5	44	36.1	1.6	12	9.8	0.4
Long range (|i-j|≥5)	682	25.2	241	35.3	8.9	94	13.8	3.5
Backbone-Backbone	60	2.2	19	31.7	0.7	7	11.7	0.3
Backbone-Sidechain	294	10.8	109	37.1	4.0	45	15.3	1.7
Sidechain-Sidechain	328	12.1	113	34.5	4.2	42	12.8	1.5
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	158	5.8	47	29.7	1.7	15	9.5	0.6
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	2710	100.0	670	24.7	24.7	246	9.1	9.1
Backbone-Backbone	504	18.6	65	12.9	2.4	17	3.4	0.6
Backbone-Sidechain	1477	54.5	395	26.7	14.6	152	10.3	5.6
Sidechain-Sidechain	729	26.9	210	28.8	7.7	77	10.6	2.8

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	72	100	84	178	0	434	0.41	3.27	0.41	0.26
2	69	106	75	181	0	431	0.41	2.69	0.38	0.28
3	74	92	91	172	0	429	0.42	3.02	0.4	0.27
4	73	95	76	172	0	416	0.42	2.57	0.39	0.28
5	69	96	79	174	0	418	0.42	2.47	0.38	0.27
6	72	105	82	179	0	438	0.41	2.5	0.39	0.28
7	71	91	77	182	0	421	0.41	2.66	0.38	0.29
8	73	95	77	179	0	424	0.42	2.45	0.39	0.3
9	68	106	79	177	0	430	0.4	2.55	0.36	0.28
10	67	102	76	166	0	411	0.42	2.54	0.39	0.29

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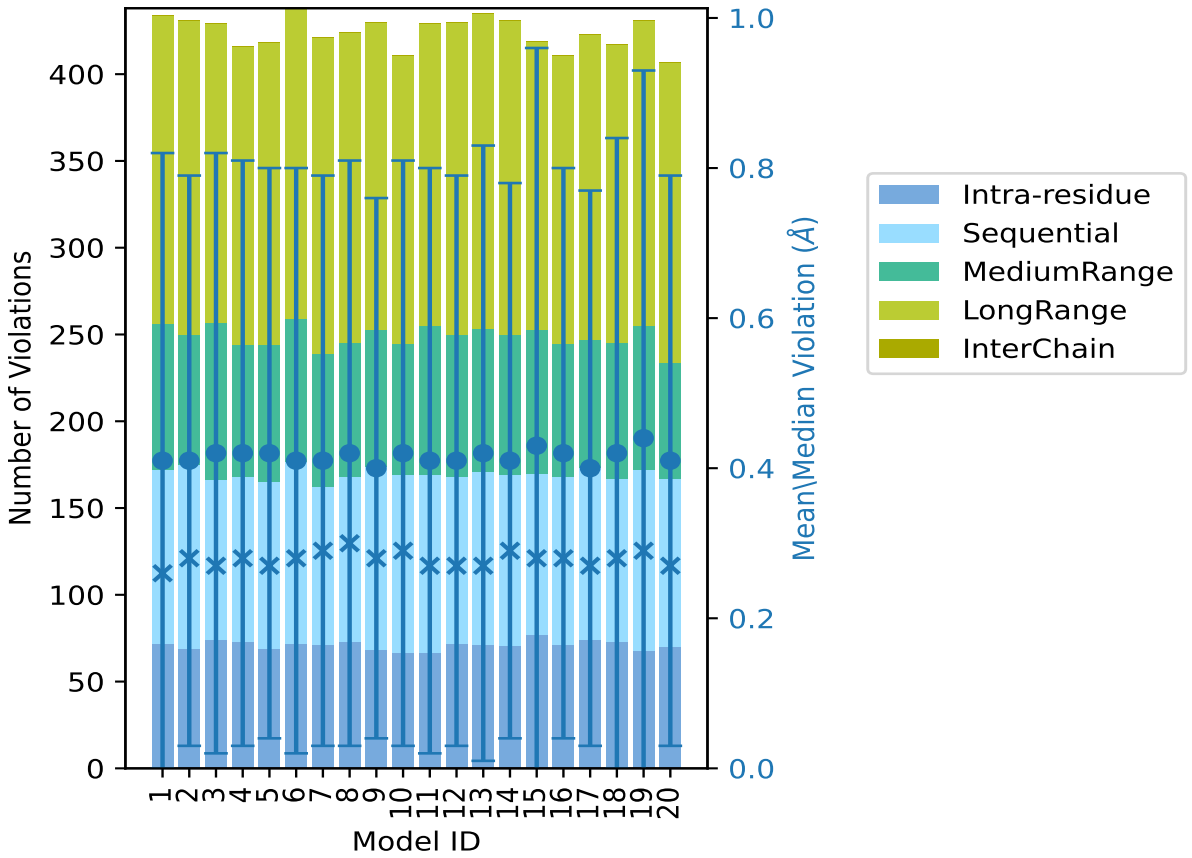
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	67	102	86	174	0	429	0.41	2.51	0.39	0.27
12	72	96	82	180	0	430	0.41	2.55	0.38	0.27
13	71	100	82	182	0	435	0.42	2.46	0.41	0.27
14	71	98	81	181	0	431	0.41	2.51	0.37	0.29
15	77	93	83	166	0	419	0.43	7.87	0.53	0.28
16	71	97	77	166	0	411	0.42	2.52	0.38	0.28
17	74	99	74	176	0	423	0.4	2.52	0.37	0.27
18	73	94	78	172	0	417	0.42	3.7	0.42	0.28
19	68	104	83	176	0	431	0.44	5.89	0.49	0.29
20	70	97	67	173	0	407	0.41	2.89	0.38	0.27

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

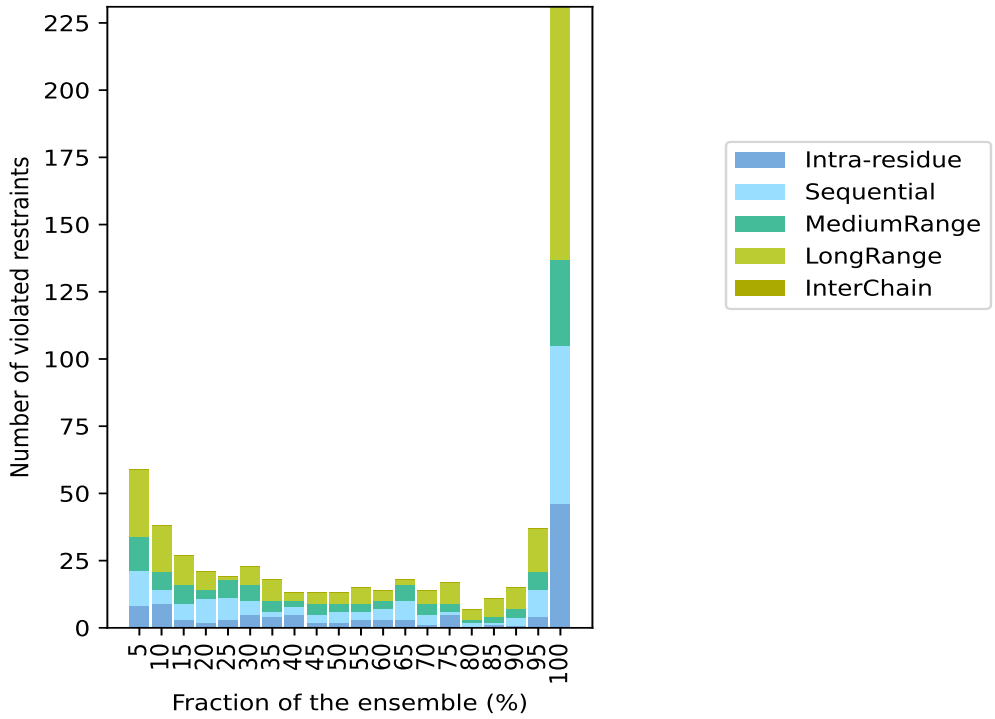
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 1929(IR:739, SQ:518, MR:231, LR:441, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
8	13	13	25	0	59	1	5.0
9	5	7	17	0	38	2	10.0
3	6	7	11	0	27	3	15.0
2	9	3	7	0	21	4	20.0
3	8	7	1	0	19	5	25.0
5	5	6	7	0	23	6	30.0
4	2	4	8	0	18	7	35.0
5	3	2	3	0	13	8	40.0
2	3	4	4	0	13	9	45.0
2	4	3	4	0	13	10	50.0
3	3	3	6	0	15	11	55.0
3	4	3	4	0	14	12	60.0
3	7	6	2	0	18	13	65.0
1	4	4	5	0	14	14	70.0
5	1	3	8	0	17	15	75.0
0	2	1	4	0	7	16	80.0
1	1	2	7	0	11	17	85.0
1	3	3	8	0	15	18	90.0
4	10	7	16	0	37	19	95.0
46	59	32	94	0	231	20	100.0

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

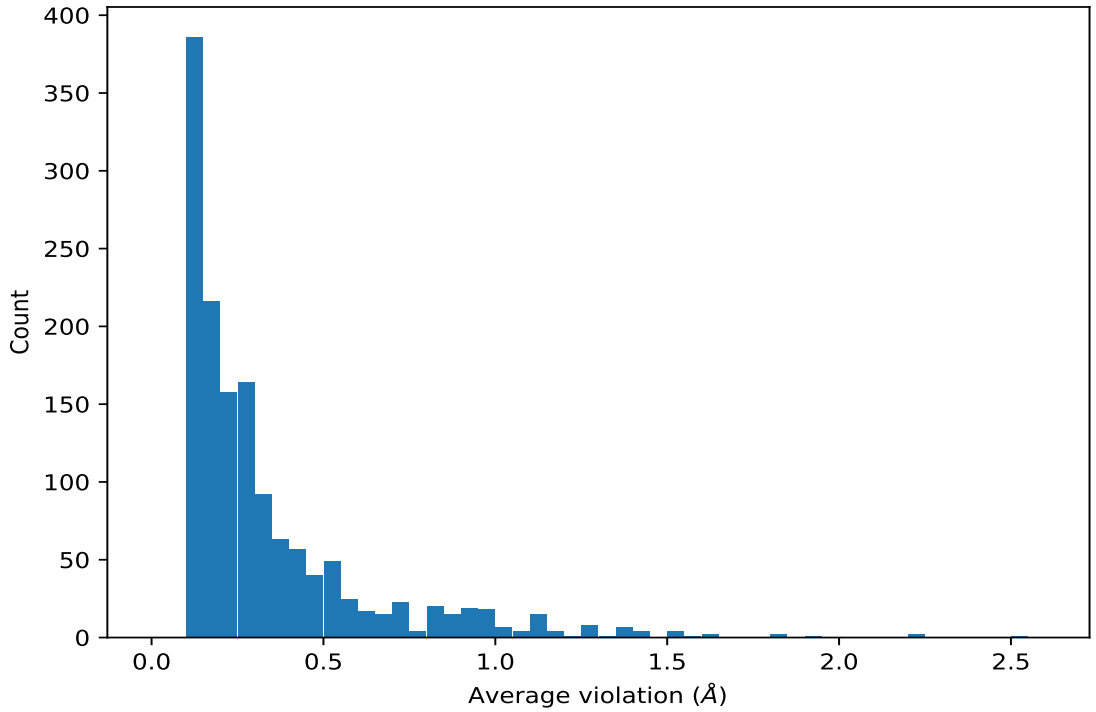
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	20	2.51	0.04	2.51
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	20	2.23	0.03	2.23
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	20	2.2	0.16	2.18
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	20	1.91	0.15	1.9
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	20	1.84	0.47	1.93
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	20	1.63	0.07	1.61
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	20	1.6	0.26	1.53
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	20	1.52	0.22	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	20	1.51	0.07	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	20	1.51	0.07	1.52
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	20	1.5	0.35	1.53
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	20	1.41	0.11	1.42
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	20	1.41	0.06	1.4
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	20	1.41	0.06	1.4
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	20	1.41	0.06	1.4
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	20	1.37	0.09	1.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	20	1.37	0.09	1.34
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	20	1.37	0.09	1.34
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	20	1.35	0.59	1.56
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	20	1.35	0.59	1.56
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	20	1.3	0.24	1.32
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	20	1.28	0.1	1.25
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	20	1.25	0.32	1.32
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	20	1.24	0.06	1.23
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	20	1.2	0.08	1.2
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	20	1.18	0.09	1.19
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	20	1.18	0.09	1.19
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	20	1.13	0.16	1.16
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	20	1.13	0.16	1.16
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	20	1.13	0.16	1.16
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	20	1.12	0.08	1.12
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	20	1.12	0.08	1.12
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	20	1.12	0.08	1.12
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	20	1.12	0.16	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	20	1.12	0.16	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	20	1.12	0.16	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	20	1.12	0.16	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	20	1.12	0.16	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	20	1.12	0.16	1.16
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	20	1.08	0.07	1.09
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	20	1.08	0.2	1.11
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	20	1.08	0.2	1.11
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	20	1.04	0.13	1.0
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	20	1.02	0.32	1.06
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	20	1.02	0.32	1.06
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	20	1.02	0.32	1.06
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	20	1.0	0.18	1.0
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	20	1.0	0.18	1.0
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	20	1.0	0.18	1.0
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	20	0.99	0.06	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	20	0.99	0.06	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	20	0.99	0.05	0.98
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	20	0.99	0.05	0.98
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	20	0.99	0.05	0.98
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	20	0.98	0.26	0.92
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	20	0.98	0.26	0.92
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	20	0.95	0.26	1.04
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	20	0.95	0.26	1.04
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	20	0.95	0.26	1.04
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	20	0.95	0.06	0.96
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	20	0.95	0.06	0.96
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	20	0.95	0.06	0.96
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	20	0.93	0.04	0.92
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	20	0.93	0.12	0.93
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	20	0.93	0.12	0.93
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	20	0.93	0.12	0.93
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	20	0.91	0.18	0.89
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	20	0.91	0.18	0.89
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	20	0.91	0.18	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	20	0.91	0.12	0.86
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	20	0.91	0.12	0.86
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	20	0.91	0.12	0.86
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	20	0.91	0.23	0.95
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	20	0.88	0.08	0.86
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	20	0.88	0.16	0.84
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	20	0.88	0.16	0.84
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	20	0.86	0.05	0.86
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	20	0.86	0.18	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	20	0.86	0.07	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	20	0.86	0.07	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	20	0.86	0.07	0.84
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	20	0.85	0.08	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	20	0.81	0.11	0.83
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	20	0.81	0.11	0.83
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	20	0.81	0.11	0.83
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	20	0.81	0.09	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	20	0.81	0.09	0.78
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	20	0.81	0.09	0.78
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	20	0.8	0.09	0.78
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	20	0.8	0.13	0.82
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	20	0.8	0.13	0.82
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	20	0.8	0.13	0.82
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	20	0.77	0.15	0.78
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	20	0.77	0.15	0.78
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	20	0.77	0.15	0.78
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	20	0.74	0.28	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	20	0.74	0.28	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	20	0.74	0.28	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	20	0.73	0.08	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	20	0.73	0.08	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	20	0.73	0.08	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	20	0.73	0.08	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	20	0.73	0.08	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	20	0.73	0.08	0.74
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	20	0.72	0.15	0.79
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	20	0.72	0.07	0.74
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	20	0.71	0.11	0.71
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	20	0.71	0.19	0.71
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	20	0.71	0.19	0.71
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	20	0.68	0.05	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	20	0.67	0.02	0.67
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	20	0.67	0.02	0.67
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	20	0.67	0.02	0.67
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	20	0.67	0.09	0.69
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	20	0.67	0.09	0.69
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	20	0.67	0.09	0.69
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	20	0.66	0.1	0.66
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	20	0.63	0.16	0.62
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	20	0.63	0.16	0.62
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	20	0.63	0.16	0.62
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	20	0.61	0.16	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	20	0.61	0.16	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	20	0.61	0.06	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	20	0.61	0.06	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	20	0.61	0.06	0.62
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	20	0.61	0.18	0.66
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	20	0.61	0.18	0.66
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	20	0.61	0.18	0.66
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	20	0.61	0.18	0.66
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	20	0.61	0.18	0.66
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	20	0.61	0.18	0.66
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	20	0.6	0.18	0.6
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	20	0.6	0.18	0.6
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	20	0.6	0.18	0.6
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	20	0.6	0.04	0.59
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	20	0.59	0.06	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	20	0.59	0.06	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	20	0.59	0.06	0.61
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	20	0.58	0.1	0.57
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	20	0.58	0.1	0.57
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	20	0.57	0.1	0.56
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	20	0.56	0.45	0.39
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	20	0.55	0.09	0.54
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	20	0.55	0.09	0.54
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	20	0.55	0.21	0.48
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	20	0.54	0.11	0.51
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	20	0.54	0.01	0.54
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	20	0.54	0.04	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	20	0.52	0.03	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	20	0.52	0.03	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	20	0.52	0.03	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	20	0.52	0.03	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	20	0.52	0.03	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	20	0.52	0.03	0.53
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	20	0.52	0.16	0.52
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	20	0.52	0.16	0.52
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	20	0.52	0.16	0.52
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	20	0.52	0.21	0.48
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	20	0.52	0.21	0.48
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	20	0.52	0.21	0.48
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	20	0.52	0.21	0.48
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	20	0.52	0.21	0.48
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	20	0.52	0.21	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	20	0.52	0.04	0.52
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	20	0.52	0.24	0.4
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	20	0.52	0.24	0.4
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	20	0.52	0.24	0.4
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	20	0.52	0.24	0.4
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	20	0.52	0.24	0.4
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	20	0.52	0.24	0.4
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	20	0.51	0.06	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	20	0.5	0.09	0.48
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	20	0.5	0.09	0.48
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	20	0.5	0.09	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	20	0.5	0.03	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	20	0.5	0.03	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	20	0.5	0.03	0.49
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	20	0.5	0.13	0.55
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	20	0.5	0.09	0.48
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	20	0.5	0.09	0.48
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	20	0.5	0.09	0.48
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	20	0.49	0.11	0.45
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	20	0.49	0.11	0.45
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	20	0.49	0.11	0.45
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	20	0.49	0.38	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	20	0.49	0.38	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	20	0.49	0.38	0.22
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	20	0.49	0.07	0.5
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	20	0.49	0.07	0.5
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	20	0.49	0.07	0.5
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	20	0.49	0.25	0.48
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	20	0.49	0.25	0.48
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	20	0.48	0.11	0.48
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	20	0.48	0.11	0.48
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	20	0.48	0.11	0.48
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	20	0.48	0.11	0.48
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	20	0.48	0.14	0.46
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	20	0.48	0.13	0.46
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	20	0.48	0.13	0.46
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	20	0.47	0.07	0.48
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	20	0.47	0.14	0.44
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	20	0.47	0.14	0.44
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	20	0.47	0.14	0.44
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	20	0.47	0.04	0.47
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	20	0.46	0.16	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	20	0.46	0.16	0.42
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	20	0.46	0.16	0.42
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	20	0.46	0.02	0.46
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	20	0.46	0.1	0.42
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	20	0.46	0.13	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	20	0.45	0.03	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	20	0.45	0.03	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	20	0.45	0.03	0.46
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	20	0.45	0.01	0.45
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	20	0.45	0.04	0.44
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	20	0.44	0.05	0.45
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	20	0.44	0.35	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	20	0.44	0.35	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	20	0.44	0.35	0.32
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	20	0.44	0.07	0.46
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	20	0.44	0.35	0.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	20	0.44	0.35	0.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	20	0.44	0.35	0.32
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	20	0.43	0.11	0.43
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	20	0.43	0.11	0.43
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	20	0.43	0.15	0.4
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	20	0.43	0.15	0.4
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	20	0.43	0.15	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	20	0.42	0.04	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	20	0.42	0.04	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	20	0.42	0.04	0.4
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	20	0.42	0.02	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	20	0.41	0.04	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	20	0.41	0.04	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	20	0.41	0.04	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	20	0.41	0.01	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	20	0.41	0.01	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	20	0.41	0.01	0.41
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	20	0.41	0.13	0.38
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	20	0.41	0.15	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	20	0.41	0.15	0.36
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	20	0.41	0.04	0.4
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	20	0.41	0.04	0.4
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	20	0.41	0.04	0.4
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	20	0.41	0.05	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	20	0.41	0.05	0.39
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	20	0.4	0.02	0.4
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	20	0.4	0.06	0.38
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	20	0.4	0.09	0.38
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	20	0.4	0.09	0.38
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	20	0.4	0.06	0.38
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	20	0.39	0.09	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	20	0.39	0.09	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	20	0.39	0.09	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	20	0.39	0.09	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	20	0.39	0.09	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	20	0.39	0.09	0.4
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	20	0.39	0.09	0.37
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	20	0.39	0.09	0.37
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	20	0.39	0.14	0.34
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	20	0.39	0.14	0.34
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	20	0.39	0.14	0.34
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	20	0.38	0.15	0.36
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	20	0.38	0.15	0.36
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	20	0.38	0.15	0.36
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	20	0.38	0.15	0.36
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	20	0.38	0.15	0.36
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	20	0.38	0.15	0.36
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	20	0.38	0.04	0.37
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	20	0.38	0.05	0.37
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	20	0.38	0.05	0.37
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	20	0.38	0.05	0.37
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	20	0.38	0.05	0.37
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	20	0.38	0.05	0.37
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	20	0.38	0.05	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	20	0.37	0.08	0.35
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	20	0.37	0.08	0.35
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	20	0.37	0.08	0.35
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	20	0.37	0.12	0.35
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	20	0.37	0.12	0.35
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	20	0.37	0.12	0.35
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	20	0.37	0.12	0.35
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	20	0.37	0.06	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	20	0.37	0.06	0.36
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	20	0.37	0.04	0.37
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	20	0.37	0.04	0.37
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	20	0.37	0.04	0.37
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	20	0.37	0.04	0.37
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	20	0.37	0.04	0.37
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	20	0.37	0.04	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	20	0.36	0.03	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	20	0.36	0.03	0.36
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	20	0.36	0.03	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	20	0.36	0.02	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	20	0.36	0.02	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	20	0.36	0.02	0.36
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	20	0.36	0.04	0.36
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	20	0.35	0.13	0.32
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	20	0.35	0.1	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	20	0.35	0.1	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	20	0.35	0.1	0.36
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	20	0.35	0.02	0.35
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	20	0.35	0.02	0.35
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	20	0.35	0.02	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	20	0.35	0.06	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	20	0.35	0.06	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	20	0.35	0.06	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	20	0.35	0.06	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	20	0.35	0.06	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	20	0.35	0.06	0.36
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	20	0.34	0.05	0.34
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	20	0.34	0.05	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	20	0.34	0.05	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	20	0.34	0.05	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	20	0.34	0.05	0.34
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	20	0.34	0.05	0.33
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	20	0.33	0.05	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	20	0.33	0.05	0.34
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	20	0.33	0.05	0.34
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	20	0.33	0.06	0.36
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	20	0.33	0.06	0.36
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	20	0.33	0.06	0.36
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	20	0.33	0.02	0.33
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	20	0.33	0.04	0.32
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	20	0.33	0.04	0.32
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	20	0.33	0.04	0.32
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	20	0.33	0.07	0.32
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	20	0.33	0.08	0.34
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	20	0.33	0.08	0.32
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	20	0.33	0.08	0.32
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	20	0.32	0.05	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	20	0.32	0.03	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	20	0.32	0.03	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	20	0.32	0.03	0.32
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	20	0.32	0.16	0.33
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	20	0.32	0.01	0.32
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	20	0.32	0.09	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	20	0.32	0.09	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	20	0.32	0.09	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	20	0.31	0.04	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	20	0.31	0.04	0.31
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	20	0.31	0.11	0.29
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	20	0.31	0.05	0.3
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	20	0.31	0.05	0.3
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	20	0.31	0.05	0.3
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	20	0.31	0.14	0.29
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	20	0.31	0.02	0.3
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	20	0.3	0.07	0.3
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	20	0.3	0.08	0.3
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	20	0.3	0.12	0.33
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	20	0.29	0.04	0.3
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	20	0.29	0.16	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	20	0.29	0.16	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	20	0.29	0.16	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	20	0.29	0.21	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	20	0.29	0.21	0.23
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	20	0.29	0.05	0.3
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	20	0.29	0.07	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	20	0.29	0.05	0.29
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	20	0.29	0.05	0.29
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	20	0.29	0.05	0.29
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	20	0.29	0.09	0.32
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	20	0.29	0.09	0.32
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	20	0.29	0.09	0.32
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	20	0.29	0.07	0.31
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	20	0.28	0.02	0.29
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	20	0.28	0.02	0.29
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	20	0.28	0.07	0.3
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	20	0.28	0.07	0.3
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	20	0.28	0.07	0.3
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	20	0.28	0.06	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	20	0.28	0.06	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	20	0.28	0.06	0.26
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	20	0.28	0.06	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	20	0.28	0.06	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	20	0.28	0.06	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	20	0.28	0.04	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	20	0.28	0.04	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	20	0.28	0.04	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	20	0.28	0.04	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	20	0.28	0.04	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	20	0.28	0.04	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	20	0.28	0.05	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	20	0.28	0.05	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	20	0.28	0.05	0.28
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	20	0.27	0.05	0.29
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	20	0.27	0.06	0.27
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	20	0.27	0.02	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	20	0.27	0.03	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	20	0.27	0.03	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	20	0.27	0.03	0.27
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	20	0.26	0.04	0.26
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	20	0.26	0.08	0.26
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	20	0.26	0.08	0.26
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	20	0.26	0.08	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	20	0.26	0.1	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	20	0.26	0.1	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	20	0.26	0.1	0.24
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	20	0.26	0.07	0.24
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	20	0.26	0.07	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	20	0.26	0.07	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	20	0.26	0.07	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	20	0.26	0.07	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	20	0.26	0.07	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	20	0.26	0.07	0.25
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	20	0.25	0.09	0.26
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	20	0.25	0.05	0.26
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	20	0.25	0.05	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	20	0.25	0.04	0.24
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	20	0.25	0.04	0.24
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	20	0.25	0.04	0.24
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	20	0.25	0.05	0.26
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	20	0.25	0.03	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	20	0.25	0.01	0.25
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	20	0.24	0.1	0.26
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	20	0.24	0.1	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	20	0.24	0.11	0.21
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	20	0.24	0.11	0.21
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	20	0.24	0.01	0.24
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	20	0.24	0.06	0.24
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	20	0.24	0.06	0.24
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	20	0.24	0.06	0.24
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	20	0.24	0.08	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	20	0.24	0.08	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	20	0.24	0.08	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	20	0.24	0.08	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	20	0.24	0.08	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	20	0.24	0.08	0.23
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	20	0.24	0.04	0.23
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	20	0.24	0.03	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	20	0.24	0.03	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	20	0.24	0.03	0.24
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	20	0.23	0.02	0.23
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	20	0.23	0.07	0.22
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	20	0.23	0.07	0.22
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	20	0.23	0.07	0.22
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	20	0.23	0.03	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	20	0.23	0.03	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	20	0.23	0.03	0.24
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	20	0.23	0.06	0.24
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	20	0.23	0.06	0.24
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	20	0.23	0.06	0.24
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	20	0.23	0.04	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	20	0.23	0.04	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	20	0.23	0.04	0.23
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	20	0.22	0.06	0.21
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	20	0.22	0.06	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	20	0.22	0.03	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	20	0.22	0.03	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	20	0.22	0.03	0.21
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	20	0.22	0.04	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	20	0.22	0.04	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	20	0.22	0.04	0.24
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	20	0.22	0.02	0.23
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	20	0.22	0.01	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	20	0.22	0.01	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	20	0.21	0.0	0.21
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	20	0.21	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	20	0.21	0.05	0.22
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	20	0.21	0.05	0.22
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	20	0.21	0.04	0.22
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	20	0.21	0.04	0.22
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	20	0.21	0.04	0.22
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	20	0.21	0.05	0.2
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	20	0.21	0.05	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	20	0.21	0.05	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	20	0.21	0.05	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	20	0.21	0.05	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	20	0.21	0.05	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	20	0.21	0.05	0.24
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	20	0.21	0.05	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	20	0.21	0.05	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	20	0.21	0.05	0.2
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	20	0.21	0.04	0.21
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	20	0.2	0.05	0.18
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	20	0.2	0.02	0.2
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	20	0.2	0.02	0.2
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	20	0.2	0.02	0.2
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	20	0.2	0.02	0.2
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	20	0.2	0.02	0.2
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	20	0.2	0.02	0.2
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	20	0.19	0.07	0.18
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	20	0.19	0.03	0.2
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	20	0.19	0.05	0.18
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	20	0.19	0.05	0.18
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	20	0.19	0.05	0.18
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	20	0.19	0.04	0.2
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	20	0.19	0.04	0.2
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	20	0.19	0.04	0.2
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	20	0.19	0.04	0.2
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	20	0.19	0.04	0.2
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	20	0.19	0.04	0.2
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	20	0.19	0.06	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	20	0.19	0.02	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	20	0.19	0.02	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	20	0.19	0.02	0.19
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	20	0.18	0.03	0.18
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	20	0.18	0.05	0.19
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	20	0.18	0.05	0.19
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	20	0.18	0.0	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	20	0.18	0.06	0.16
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	20	0.18	0.06	0.16
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	20	0.18	0.06	0.16
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	20	0.17	0.01	0.17
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	20	0.17	0.05	0.16
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	20	0.17	0.05	0.16
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	20	0.17	0.02	0.17
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	20	0.16	0.02	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	20	0.16	0.02	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	20	0.16	0.02	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	20	0.16	0.02	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	20	0.16	0.02	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	20	0.16	0.02	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	20	0.16	0.02	0.16
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	20	0.16	0.03	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	20	0.15	0.01	0.15
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	20	0.15	0.02	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	20	0.15	0.02	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	20	0.15	0.02	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	20	0.14	0.02	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	20	0.14	0.02	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	20	0.14	0.02	0.15
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	20	0.14	0.02	0.14
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	20	0.14	0.02	0.14
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	20	0.14	0.02	0.14
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	20	0.14	0.02	0.14
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	20	0.14	0.02	0.14
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	20	0.14	0.02	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	20	0.14	0.01	0.14
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	20	0.14	0.01	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	20	0.14	0.01	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	20	0.14	0.01	0.13
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	20	0.12	0.01	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	20	0.12	0.0	0.12
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	20	0.11	0.0	0.11
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	19	1.11	0.2	1.14
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	19	1.11	0.2	1.14
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	19	1.11	0.2	1.14
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	19	0.73	0.2	0.78
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	19	0.7	0.15	0.68
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	19	0.7	0.15	0.68
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	19	0.7	0.15	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	19	0.68	0.19	0.65
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	19	0.49	0.2	0.42
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	19	0.33	0.11	0.39
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	19	0.33	0.2	0.25
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	19	0.33	0.2	0.25
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	19	0.33	0.2	0.25
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	19	0.3	0.09	0.3
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	19	0.3	0.09	0.3
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	19	0.3	0.09	0.3
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	19	0.29	0.05	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	19	0.29	0.05	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	19	0.29	0.05	0.29
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	19	0.29	0.05	0.28
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	19	0.29	0.05	0.28
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	19	0.29	0.05	0.28
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	19	0.28	0.11	0.22
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	19	0.28	0.04	0.29
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	19	0.28	0.04	0.29
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	19	0.28	0.04	0.29
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	19	0.28	0.11	0.25
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	19	0.28	0.11	0.25
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	19	0.28	0.11	0.25
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	19	0.26	0.07	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	19	0.26	0.07	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	19	0.26	0.07	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	19	0.25	0.06	0.25
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	19	0.25	0.06	0.25
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	19	0.25	0.06	0.25
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	19	0.24	0.15	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	19	0.24	0.15	0.17
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	19	0.24	0.05	0.25
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	19	0.23	0.09	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	19	0.23	0.09	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	19	0.23	0.09	0.21
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	19	0.23	0.05	0.24
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	19	0.21	0.07	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	19	0.21	0.07	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	19	0.21	0.07	0.2
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	19	0.21	0.06	0.2
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	19	0.21	0.06	0.2
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	19	0.2	0.06	0.19
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	19	0.2	0.05	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	19	0.2	0.05	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	19	0.2	0.05	0.2
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	19	0.2	0.05	0.2
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	19	0.19	0.06	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	19	0.19	0.06	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	19	0.19	0.06	0.18
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	19	0.19	0.03	0.19
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	19	0.19	0.05	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	19	0.18	0.04	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	19	0.18	0.04	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	19	0.18	0.04	0.19
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	19	0.18	0.04	0.18
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	19	0.18	0.04	0.18
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	19	0.18	0.04	0.18
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	19	0.17	0.05	0.17
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	19	0.17	0.04	0.17
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	19	0.17	0.02	0.17
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	19	0.17	0.02	0.17
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	19	0.17	0.02	0.17
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	19	0.15	0.03	0.15
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	19	0.15	0.02	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	19	0.14	0.03	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	19	0.14	0.03	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	19	0.14	0.03	0.14
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	19	0.13	0.02	0.13
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	18	0.57	0.17	0.6
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	18	0.37	0.18	0.38
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	18	0.37	0.18	0.38
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	18	0.37	0.18	0.38
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	18	0.35	0.13	0.34
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	18	0.32	0.18	0.29
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	18	0.32	0.18	0.29
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	18	0.32	0.03	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	18	0.32	0.03	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	18	0.32	0.03	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	18	0.29	0.16	0.21
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	18	0.29	0.1	0.32
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	18	0.26	0.05	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	18	0.26	0.05	0.27
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	18	0.23	0.05	0.24
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	18	0.23	0.05	0.24
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	18	0.23	0.05	0.24
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	18	0.23	0.05	0.24
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	18	0.23	0.1	0.2
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	18	0.21	0.08	0.18
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	18	0.21	0.08	0.18
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	18	0.2	0.1	0.18
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	18	0.18	0.04	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	18	0.18	0.04	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	18	0.18	0.04	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	18	0.18	0.04	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	18	0.18	0.04	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	18	0.18	0.04	0.17
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	18	0.17	0.04	0.16
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	18	0.16	0.04	0.16
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	18	0.14	0.02	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	18	0.14	0.02	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	18	0.14	0.02	0.14
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	17	0.54	0.17	0.48
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	17	0.37	0.13	0.38
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	17	0.32	0.14	0.32
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	17	0.32	0.14	0.32
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	17	0.32	0.14	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	17	0.26	0.04	0.26
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	17	0.26	0.04	0.26
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	17	0.26	0.04	0.26
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	17	0.23	0.08	0.23
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	17	0.23	0.08	0.23
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	17	0.23	0.08	0.23
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	17	0.2	0.05	0.2
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	17	0.2	0.05	0.2
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	17	0.2	0.05	0.2
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	17	0.19	0.08	0.17
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	17	0.19	0.08	0.17
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	17	0.19	0.04	0.17
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	17	0.19	0.04	0.17
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	17	0.19	0.04	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	17	0.18	0.04	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	17	0.18	0.04	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	17	0.18	0.04	0.19
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	17	0.17	0.06	0.16
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	17	0.17	0.06	0.16
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	17	0.17	0.06	0.16
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	17	0.16	0.04	0.15
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	17	0.16	0.04	0.15
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	17	0.16	0.04	0.15
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	17	0.12	0.01	0.12
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	16	1.8	2.25	0.86
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	16	0.35	0.25	0.24
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	16	0.35	0.25	0.24
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	16	0.35	0.17	0.33
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	16	0.23	0.1	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	16	0.23	0.1	0.21
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	16	0.2	0.09	0.17
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	16	0.18	0.04	0.16
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	16	0.16	0.05	0.15
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	16	0.15	0.04	0.15
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	15	0.96	0.34	1.03
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	15	0.96	0.34	1.03
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	15	0.96	0.34	1.03
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	15	0.55	0.39	0.38
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	15	0.52	0.22	0.47
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	15	0.52	0.4	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	15	0.38	0.13	0.35
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	15	0.38	0.13	0.35
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	15	0.38	0.13	0.35
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	15	0.28	0.11	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	15	0.28	0.11	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	15	0.28	0.11	0.25
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	15	0.22	0.06	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	15	0.22	0.05	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	15	0.22	0.05	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	15	0.22	0.05	0.22
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	15	0.21	0.04	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	15	0.21	0.04	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	15	0.21	0.04	0.21
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	15	0.19	0.06	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	15	0.19	0.06	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	15	0.19	0.06	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	15	0.19	0.07	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	15	0.19	0.07	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	15	0.19	0.07	0.18
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	15	0.17	0.06	0.17
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	15	0.16	0.05	0.16
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	15	0.16	0.05	0.16
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	15	0.16	0.05	0.16
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	15	0.15	0.03	0.14
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	15	0.15	0.03	0.14
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	15	0.15	0.03	0.14
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	15	0.14	0.02	0.14
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	15	0.13	0.02	0.13
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	15	0.13	0.02	0.12
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	15	0.12	0.01	0.11
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	14	0.4	0.23	0.34
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	14	0.39	0.04	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	14	0.39	0.04	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	14	0.39	0.04	0.4
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	14	0.33	0.12	0.32
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	14	0.33	0.12	0.32
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	14	0.33	0.12	0.32
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	14	0.32	0.11	0.34
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	14	0.25	0.07	0.24
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	14	0.24	0.22	0.16
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	14	0.24	0.22	0.16
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	14	0.19	0.06	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	14	0.19	0.06	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	14	0.19	0.06	0.2
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	14	0.18	0.07	0.15
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	14	0.18	0.07	0.15
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	14	0.18	0.07	0.15
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	14	0.17	0.06	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	14	0.17	0.06	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	14	0.17	0.06	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	14	0.17	0.04	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	14	0.17	0.04	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	14	0.17	0.04	0.16
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	14	0.16	0.04	0.16
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	14	0.16	0.04	0.16
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	14	0.16	0.04	0.16
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	14	0.16	0.04	0.15
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	14	0.15	0.04	0.14
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	14	0.15	0.03	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	14	0.15	0.03	0.15
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	14	0.15	0.03	0.15
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	14	0.14	0.03	0.12
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	13	0.73	0.14	0.75
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	13	0.3	0.14	0.27
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	13	0.3	0.14	0.27
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	13	0.3	0.14	0.27
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	13	0.27	0.02	0.27
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	13	0.21	0.07	0.2
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	13	0.19	0.05	0.18
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	13	0.19	0.05	0.18
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	13	0.19	0.05	0.18
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	13	0.17	0.05	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	13	0.17	0.05	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	13	0.17	0.05	0.15
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	13	0.17	0.04	0.16
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	13	0.16	0.04	0.15
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	13	0.16	0.06	0.15
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	13	0.16	0.04	0.16
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	13	0.16	0.04	0.17
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	13	0.15	0.04	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	13	0.15	0.04	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	13	0.15	0.04	0.16
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	13	0.15	0.04	0.16
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	13	0.15	0.04	0.16
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	13	0.15	0.04	0.14
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	13	0.15	0.04	0.14
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	13	0.15	0.04	0.14
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	13	0.15	0.04	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	13	0.15	0.04	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	13	0.15	0.04	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	13	0.15	0.04	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	13	0.15	0.04	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	13	0.15	0.04	0.13
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	13	0.14	0.02	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	13	0.14	0.02	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	13	0.14	0.02	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	13	0.14	0.02	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	13	0.14	0.02	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	13	0.14	0.02	0.14
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	13	0.14	0.02	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	13	0.14	0.02	0.13
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	13	0.13	0.02	0.13
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	13	0.12	0.02	0.11
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	13	0.12	0.02	0.11
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	13	0.12	0.02	0.11
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	12	0.99	0.53	1.02
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	12	0.47	0.17	0.5
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	12	0.32	0.07	0.34
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	12	0.29	0.13	0.26
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	12	0.27	0.25	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	12	0.27	0.25	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	12	0.27	0.25	0.2
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	12	0.26	0.13	0.24
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	12	0.26	0.13	0.24
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	12	0.26	0.13	0.24
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	12	0.26	0.13	0.24
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	12	0.26	0.13	0.24
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	12	0.26	0.13	0.24
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	12	0.19	0.09	0.17
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	12	0.19	0.09	0.17
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	12	0.18	0.07	0.15
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	12	0.16	0.06	0.13
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	12	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	12	0.15	0.04	0.15
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	12	0.15	0.03	0.15
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	12	0.15	0.03	0.15
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	12	0.15	0.03	0.15
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	12	0.15	0.04	0.15
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	12	0.15	0.04	0.15
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	12	0.15	0.04	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	12	0.15	0.04	0.14
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	12	0.15	0.04	0.14
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	12	0.15	0.04	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	12	0.14	0.03	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	12	0.14	0.03	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	12	0.14	0.03	0.15
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	12	0.14	0.03	0.14
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	12	0.14	0.03	0.14
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	12	0.14	0.03	0.14
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	12	0.12	0.01	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	12	0.12	0.01	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	12	0.12	0.01	0.12
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	11	1.56	0.74	1.5
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	11	1.16	0.76	1.17
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	11	0.93	0.54	0.67
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	11	0.93	0.54	0.67
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	11	0.78	0.59	0.54
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	11	0.6	0.47	0.46
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	11	0.59	0.58	0.26
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	11	0.59	0.58	0.26
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	11	0.59	0.58	0.26
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	11	0.4	0.29	0.34
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	11	0.35	0.31	0.25
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	11	0.22	0.05	0.23
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	11	0.22	0.05	0.23
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	11	0.22	0.05	0.23
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	11	0.17	0.03	0.19
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	11	0.17	0.06	0.14
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	11	0.17	0.05	0.15
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	11	0.17	0.05	0.15
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	11	0.17	0.05	0.15
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	11	0.16	0.05	0.16
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	11	0.16	0.05	0.16
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	11	0.16	0.05	0.16
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	11	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	11	0.15	0.03	0.15
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	11	0.15	0.03	0.15
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	11	0.15	0.05	0.13
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	11	0.13	0.01	0.13
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	10	0.81	0.36	0.89
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	10	0.81	0.36	0.89
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	10	0.81	0.36	0.89
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	10	0.81	0.36	0.89
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	10	0.81	0.36	0.89
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	10	0.81	0.36	0.89
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	10	0.6	0.47	0.4
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	10	0.6	0.47	0.4
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	10	0.29	0.09	0.32
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	10	0.23	0.09	0.2
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	10	0.21	0.06	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	10	0.21	0.06	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	10	0.21	0.06	0.17
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	10	0.2	0.06	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	10	0.2	0.06	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	10	0.2	0.06	0.18
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	10	0.19	0.05	0.19
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	10	0.19	0.05	0.19
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	10	0.19	0.05	0.19
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	10	0.19	0.03	0.19
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	10	0.18	0.06	0.17
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	10	0.18	0.06	0.17
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	10	0.18	0.06	0.17
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	10	0.15	0.03	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	10	0.15	0.03	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	10	0.15	0.03	0.16
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	10	0.15	0.03	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	10	0.15	0.03	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	10	0.15	0.03	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	10	0.15	0.03	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	10	0.15	0.03	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	10	0.15	0.03	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	10	0.15	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	10	0.15	0.02	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	10	0.15	0.02	0.16
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	10	0.14	0.03	0.13
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	10	0.14	0.03	0.13
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	10	0.14	0.03	0.13
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	10	0.14	0.02	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	10	0.14	0.02	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	10	0.14	0.02	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	10	0.14	0.02	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	10	0.14	0.02	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	10	0.14	0.02	0.14
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	9	1.39	0.91	1.52
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	9	1.39	0.91	1.52
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	9	1.25	0.82	1.5
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	9	1.25	0.82	1.5
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	9	1.25	0.82	1.5
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	9	1.25	0.82	1.5
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	9	1.25	0.82	1.5
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	9	1.25	0.82	1.5
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	9	0.57	0.31	0.58
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	9	0.51	0.35	0.39
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	9	0.51	0.35	0.39
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	9	0.5	0.83	0.19
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	9	0.5	0.83	0.19
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	9	0.5	0.83	0.19
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	9	0.44	0.33	0.31
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	9	0.44	0.33	0.31
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	9	0.44	0.33	0.31
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	9	0.26	0.1	0.27
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	9	0.25	0.05	0.24
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	9	0.25	0.05	0.24
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	9	0.25	0.05	0.24
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	9	0.19	0.05	0.2
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	9	0.19	0.05	0.2
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	9	0.19	0.05	0.2
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	9	0.18	0.03	0.18
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	9	0.15	0.02	0.15
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	9	0.14	0.02	0.15
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	9	0.14	0.02	0.15
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	9	0.14	0.02	0.15
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	9	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	9	0.13	0.03	0.12
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	9	0.13	0.03	0.12
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	9	0.13	0.03	0.12
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	9	0.13	0.03	0.12
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	9	0.13	0.03	0.12
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	9	0.13	0.02	0.13
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	9	0.13	0.01	0.13
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	9	0.13	0.01	0.13
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	9	0.13	0.01	0.13
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	9	0.11	0.01	0.11
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	8	0.5	0.07	0.52
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	8	0.5	0.07	0.52
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	8	0.49	0.34	0.35
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	8	0.48	0.18	0.51
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	8	0.48	0.18	0.51
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	8	0.48	0.18	0.51
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	8	0.31	0.14	0.34
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	8	0.3	0.13	0.31
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	8	0.3	0.3	0.13
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	8	0.2	0.07	0.2
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	8	0.18	0.06	0.17
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	8	0.18	0.06	0.17
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	8	0.17	0.01	0.17
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	8	0.16	0.04	0.18
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	8	0.16	0.04	0.18
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	8	0.16	0.04	0.18
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	8	0.14	0.03	0.14
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	8	0.13	0.03	0.13
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	8	0.13	0.03	0.13
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	8	0.13	0.02	0.13
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	8	0.13	0.02	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	8	0.12	0.01	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	8	0.12	0.01	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	8	0.12	0.01	0.12
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	8	0.12	0.01	0.12
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	7	1.06	0.27	1.1
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	7	0.42	0.44	0.18
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	7	0.39	0.09	0.39
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	7	0.39	0.09	0.39
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	7	0.39	0.09	0.39
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	7	0.36	0.07	0.33
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	7	0.36	0.07	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	7	0.36	0.07	0.33
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	7	0.32	0.28	0.17
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	7	0.21	0.11	0.17
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	7	0.19	0.07	0.18
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	7	0.19	0.06	0.16
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	7	0.19	0.06	0.16
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	7	0.19	0.06	0.16
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	7	0.19	0.08	0.16
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	7	0.18	0.04	0.18
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	7	0.17	0.06	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	7	0.17	0.06	0.13
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	7	0.16	0.05	0.13
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	7	0.16	0.05	0.13
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	7	0.16	0.05	0.13
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	7	0.16	0.02	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	7	0.16	0.02	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	7	0.16	0.02	0.16
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	7	0.15	0.03	0.17
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	7	0.14	0.04	0.12
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	7	0.14	0.04	0.12
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	7	0.14	0.04	0.12
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	7	0.14	0.02	0.14
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	7	0.14	0.01	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	7	0.14	0.01	0.13
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	7	0.13	0.03	0.13
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	7	0.12	0.02	0.12
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	7	0.12	0.02	0.12
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	7	0.12	0.02	0.12
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	6	0.44	0.29	0.32
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	6	0.26	0.26	0.16
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	6	0.26	0.26	0.16
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	6	0.26	0.26	0.16
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	6	0.25	0.07	0.28
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	6	0.25	0.05	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	6	0.25	0.05	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	6	0.25	0.05	0.26
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	6	0.21	0.09	0.17
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	6	0.21	0.09	0.17
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	6	0.2	0.13	0.15
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	6	0.2	0.13	0.15
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	6	0.2	0.13	0.15
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	6	0.2	0.01	0.2
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	6	0.18	0.03	0.19
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	6	0.18	0.03	0.19
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	6	0.18	0.03	0.19
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	6	0.18	0.07	0.18
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	6	0.17	0.03	0.17
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	6	0.17	0.03	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	6	0.17	0.03	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	6	0.17	0.03	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	6	0.17	0.03	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	6	0.17	0.03	0.17
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	6	0.15	0.03	0.15
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	6	0.15	0.03	0.15
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	6	0.15	0.03	0.15
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	6	0.15	0.03	0.15
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	6	0.15	0.03	0.15
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	6	0.15	0.03	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	6	0.15	0.01	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	6	0.15	0.01	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	6	0.15	0.01	0.15
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	6	0.14	0.03	0.13
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	6	0.14	0.03	0.13
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	6	0.14	0.03	0.13
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	6	0.14	0.02	0.14
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	6	0.14	0.02	0.14
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	6	0.14	0.02	0.14
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	6	0.13	0.03	0.12
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	6	0.13	0.03	0.12
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	6	0.13	0.03	0.12
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	6	0.13	0.03	0.12
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	6	0.13	0.02	0.12
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	6	0.12	0.01	0.12
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	6	0.12	0.01	0.12
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	6	0.12	0.01	0.12
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	6	0.12	0.02	0.12
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	6	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	6	0.12	0.01	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	6	0.12	0.01	0.12
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	6	0.12	0.01	0.12
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	6	0.11	0.01	0.11
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	6	0.11	0.01	0.11
(1,109)	1:20:A:PHE:H	1:21:A:PRO:HD3	5	0.38	0.15	0.34
(1,97)	1:20:A:PHE:H	1:19:A:LYS:HA	5	0.35	0.26	0.23
(1,1537)	1:131:A:TRP:H	1:131:A:TRP:HE3	5	0.35	0.08	0.39
(1,490)	1:47:A:LYS:HE3	1:49:A:SER:H	5	0.31	0.13	0.31
(1,1553)	1:132:A:ILE:HD11	1:132:A:ILE:H	5	0.24	0.17	0.13
(1,1553)	1:132:A:ILE:HD12	1:132:A:ILE:H	5	0.24	0.17	0.13
(1,1553)	1:132:A:ILE:HD13	1:132:A:ILE:H	5	0.24	0.17	0.13
(1,96)	1:20:A:PHE:HD1	1:19:A:LYS:HA	5	0.2	0.08	0.17
(1,96)	1:20:A:PHE:HD2	1:19:A:LYS:HA	5	0.2	0.08	0.17
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD11	5	0.18	0.08	0.14
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD12	5	0.18	0.08	0.14
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD13	5	0.18	0.08	0.14
(1,1083)	1:97:A:PHE:HD1	1:98:A:GLN:H	5	0.17	0.04	0.19
(1,1083)	1:97:A:PHE:HD2	1:98:A:GLN:H	5	0.17	0.04	0.19
(2,3)	1:10:A:ARG:H	1:6:A:GLU:O	5	0.16	0.06	0.14
(1,987)	1:88:A:GLN:H	1:86:A:LYS:HD2	5	0.16	0.05	0.15
(1,2295)	1:217:A:LYS:H	1:217:A:LYS:HB2	5	0.16	0.11	0.11
(2,84)	1:114:A:GLY:O	1:118:A:LYS:N	5	0.14	0.03	0.14
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE1	5	0.13	0.02	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE2	5	0.13	0.02	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE3	5	0.13	0.02	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE1	5	0.13	0.02	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE2	5	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE3	5	0.13	0.02	0.12
(1,382)	1:41:A:PHE:HA	1:40:A:ARG:HG2	5	0.13	0.02	0.12
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD11	5	0.13	0.04	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD12	5	0.13	0.04	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD13	5	0.13	0.04	0.11
(1,1957)	1:176:A:GLU:HA	1:179:A:VAL:H	5	0.13	0.01	0.12
(1,807)	1:73:A:ILE:HD11	1:75:A:ARG:HH21	5	0.13	0.02	0.11
(1,807)	1:73:A:ILE:HD12	1:75:A:ARG:HH21	5	0.13	0.02	0.11
(1,807)	1:73:A:ILE:HD13	1:75:A:ARG:HH21	5	0.13	0.02	0.11
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD11	5	0.12	0.01	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD12	5	0.12	0.01	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD13	5	0.12	0.01	0.12
(1,282)	1:31:A:VAL:HG21	1:33:A:ILE:HB	5	0.12	0.03	0.11
(1,282)	1:31:A:VAL:HG22	1:33:A:ILE:HB	5	0.12	0.03	0.11
(1,282)	1:31:A:VAL:HG23	1:33:A:ILE:HB	5	0.12	0.03	0.11
(1,1147)	1:101:A:ASP:H	1:100:A:GLN:HG3	5	0.12	0.02	0.12
(1,446)	1:46:A:GLU:HB3	1:47:A:LYS:H	5	0.11	0.0	0.11
(1,446)	1:46:A:GLU:HB2	1:47:A:LYS:H	5	0.11	0.0	0.11
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD11	4	0.68	0.85	0.24
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD12	4	0.68	0.85	0.24
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD13	4	0.68	0.85	0.24
(1,22)	1:9:A:LYS:H	1:8:A:MET:HA	4	0.21	0.07	0.18
(1,2487)	1:194:A:ILE:HG21	1:228:A:GLN:HE21	4	0.2	0.06	0.21
(1,2487)	1:194:A:ILE:HG22	1:228:A:GLN:HE21	4	0.2	0.06	0.21
(1,2487)	1:194:A:ILE:HG23	1:228:A:GLN:HE21	4	0.2	0.06	0.21
(1,1572)	1:135:A:GLN:HE22	1:131:A:TRP:HZ2	4	0.18	0.05	0.18
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG3	4	0.18	0.02	0.18
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG2	4	0.18	0.02	0.18
(1,1703)	1:150:A:GLU:H	1:151:A:SER:H	4	0.17	0.02	0.17
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD11	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD12	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD13	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD11	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD12	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD13	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD11	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD12	4	0.17	0.05	0.17
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD13	4	0.17	0.05	0.17
(1,1560)	1:133:A:ARG:H	1:132:A:ILE:HB	4	0.15	0.04	0.15
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB2	4	0.15	0.05	0.12
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB3	4	0.15	0.05	0.12
(1,2543)	1:230:A:LEU:H	1:231:A:MET:H	4	0.15	0.04	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1450)	1:33:A:ILE:HG21	1:124:A:ALA:HA	4	0.14	0.02	0.14
(1,1450)	1:33:A:ILE:HG22	1:124:A:ALA:HA	4	0.14	0.02	0.14
(1,1450)	1:33:A:ILE:HG23	1:124:A:ALA:HA	4	0.14	0.02	0.14
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD11	4	0.14	0.02	0.14
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD12	4	0.14	0.02	0.14
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD13	4	0.14	0.02	0.14
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD3	4	0.14	0.02	0.14
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD3	4	0.14	0.02	0.14
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD3	4	0.14	0.02	0.14
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD2	4	0.14	0.02	0.14
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD2	4	0.14	0.02	0.14
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD2	4	0.14	0.02	0.14
(1,1371)	1:119:A:LYS:HA	1:119:A:LYS:HG2	4	0.14	0.01	0.14
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG21	4	0.13	0.02	0.13
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG22	4	0.13	0.02	0.13
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG23	4	0.13	0.02	0.13
(1,1508)	1:128:A:ARG:HE	1:128:A:ARG:HB2	4	0.13	0.03	0.12
(1,2428)	1:225:A:GLU:HB3	1:226:A:ALA:H	4	0.13	0.01	0.13
(1,2428)	1:225:A:GLU:HB2	1:226:A:ALA:H	4	0.13	0.01	0.13
(1,1289)	1:114:A:GLY:H	1:113:A:ILE:HG12	4	0.12	0.01	0.12
(2,117)	1:157:A:CYS:H	1:190:A:CYS:O	4	0.12	0.0	0.12
(1,444)	1:45:A:ALA:HB1	1:47:A:LYS:H	4	0.12	0.01	0.12
(1,444)	1:45:A:ALA:HB2	1:47:A:LYS:H	4	0.12	0.01	0.12
(1,444)	1:45:A:ALA:HB3	1:47:A:LYS:H	4	0.12	0.01	0.12
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB3	4	0.12	0.02	0.11
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB2	4	0.12	0.02	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD21	4	0.11	0.01	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD22	4	0.11	0.01	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD23	4	0.11	0.01	0.11
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG3	3	0.55	0.51	0.26
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG2	3	0.55	0.51	0.26
(1,1569)	1:131:A:TRP:HE1	1:135:A:GLN:HE22	3	0.34	0.18	0.29
(1,1511)	1:128:A:ARG:H	1:129:A:GLN:HG2	3	0.3	0.07	0.33
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG2	3	0.27	0.11	0.2
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG3	3	0.27	0.11	0.2
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG2	3	0.27	0.11	0.2
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG3	3	0.27	0.11	0.2
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA2	3	0.25	0.16	0.16
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA3	3	0.25	0.16	0.16
(1,1568)	1:134:A:LYS:H	1:136:A:GLY:H	3	0.23	0.03	0.25
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG3	3	0.21	0.12	0.13
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG2	3	0.21	0.12	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE1	3	0.21	0.07	0.25
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE2	3	0.21	0.07	0.25
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE3	3	0.21	0.07	0.25
(1,1470)	1:125:A:GLU:HA	1:129:A:GLN:H	3	0.2	0.05	0.19
(1,188)	1:28:A:GLU:H	1:26:A:LYS:HB2	3	0.18	0.04	0.19
(1,614)	1:96:A:THR:H	1:57:A:ILE:HA	3	0.18	0.03	0.18
(1,1126)	1:99:A:ILE:HD11	1:107:A:HIS:HA	3	0.17	0.03	0.16
(1,1126)	1:99:A:ILE:HD12	1:107:A:HIS:HA	3	0.17	0.03	0.16
(1,1126)	1:99:A:ILE:HD13	1:107:A:HIS:HA	3	0.17	0.03	0.16
(1,62)	1:12:A:LEU:HB3	1:13:A:ALA:HA	3	0.15	0.02	0.16
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD11	3	0.14	0.03	0.13
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD12	3	0.14	0.03	0.13
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD13	3	0.14	0.03	0.13
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD11	3	0.14	0.03	0.13
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD12	3	0.14	0.03	0.13
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD13	3	0.14	0.03	0.13
(2,129)	1:177:A:ILE:H	1:170:A:TRP:O	3	0.14	0.03	0.13
(1,447)	1:46:A:GLU:HA	1:47:A:LYS:H	3	0.13	0.01	0.13
(1,1003)	1:88:A:GLN:HE21	1:86:A:LYS:HE2	3	0.13	0.02	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD21	3	0.12	0.02	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD22	3	0.12	0.02	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD23	3	0.12	0.02	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD11	3	0.12	0.02	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD12	3	0.12	0.02	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD13	3	0.12	0.02	0.13
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD3	3	0.12	0.01	0.12
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD2	3	0.12	0.01	0.12
(1,756)	1:84:A:MET:H	1:70:A:LYS:HB2	3	0.12	0.0	0.12
(1,1353)	1:118:A:LYS:HA	1:118:A:LYS:HD3	3	0.12	0.01	0.11
(1,1605)	1:141:A:GLU:HB3	1:159:A:VAL:HA	3	0.12	0.02	0.11
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD1	3	0.11	0.01	0.11
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD2	3	0.11	0.01	0.11
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD1	3	0.11	0.01	0.11
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD2	3	0.11	0.01	0.11
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD1	3	0.11	0.01	0.11
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD2	3	0.11	0.01	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD11	3	0.11	0.0	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD12	3	0.11	0.0	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD13	3	0.11	0.0	0.11
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG21	3	0.11	0.01	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG22	3	0.11	0.01	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG23	3	0.11	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2329)	1:220:A:LEU:HD21	1:220:A:LEU:HA	3	0.11	0.0	0.11
(1,2329)	1:220:A:LEU:HD22	1:220:A:LEU:HA	3	0.11	0.0	0.11
(1,2329)	1:220:A:LEU:HD23	1:220:A:LEU:HA	3	0.11	0.0	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD21	3	0.11	0.0	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD22	3	0.11	0.0	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD23	3	0.11	0.0	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB1	3	0.11	0.0	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB2	3	0.11	0.0	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB3	3	0.11	0.0	0.11
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG21	2	0.84	0.68	0.84
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG22	2	0.84	0.68	0.84
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG23	2	0.84	0.68	0.84
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG21	2	0.61	0.18	0.61
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG22	2	0.61	0.18	0.61
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG23	2	0.61	0.18	0.61
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD11	2	0.53	0.16	0.53
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD12	2	0.53	0.16	0.53
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD13	2	0.53	0.16	0.53
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD11	2	0.3	0.06	0.3
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD12	2	0.3	0.06	0.3
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD13	2	0.3	0.06	0.3
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE1	2	0.27	0.01	0.27
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE2	2	0.27	0.01	0.27
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE3	2	0.27	0.01	0.27
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE1	2	0.27	0.01	0.27
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE2	2	0.27	0.01	0.27
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE3	2	0.27	0.01	0.27
(1,1583)	1:135:A:GLN:HE21	1:135:A:GLN:HB3	2	0.19	0.04	0.19
(1,1592)	1:135:A:GLN:H	1:135:A:GLN:HG3	2	0.19	0.08	0.19
(1,1592)	1:135:A:GLN:H	1:135:A:GLN:HG2	2	0.19	0.08	0.19
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD11	2	0.18	0.02	0.18
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD12	2	0.18	0.02	0.18
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD13	2	0.18	0.02	0.18
(1,1464)	1:121:A:GLN:H	1:125:A:GLU:HB2	2	0.18	0.06	0.18
(1,1464)	1:121:A:GLN:H	1:125:A:GLU:HB3	2	0.18	0.06	0.18
(1,644)	1:57:A:ILE:H	1:61:A:LYS:HD3	2	0.18	0.03	0.18
(1,644)	1:57:A:ILE:H	1:61:A:LYS:HD2	2	0.18	0.03	0.18
(1,2431)	1:226:A:ALA:HB1	1:225:A:GLU:HG2	2	0.17	0.0	0.17
(1,2431)	1:226:A:ALA:HB2	1:225:A:GLU:HG2	2	0.17	0.0	0.17
(1,2431)	1:226:A:ALA:HB3	1:225:A:GLU:HG2	2	0.17	0.0	0.17
(1,32)	1:8:A:MET:H	1:10:A:ARG:HD3	2	0.15	0.02	0.15
(1,32)	1:8:A:MET:H	1:10:A:ARG:HD2	2	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,106)	1:20:A:PHE:H	1:20:A:PHE:HD1	2	0.15	0.04	0.15
(1,106)	1:20:A:PHE:H	1:20:A:PHE:HD2	2	0.15	0.04	0.15
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG21	2	0.14	0.03	0.14
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG22	2	0.14	0.03	0.14
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG23	2	0.14	0.03	0.14
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG11	2	0.14	0.01	0.14
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG12	2	0.14	0.01	0.14
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG13	2	0.14	0.01	0.14
(1,1502)	1:127:A:GLN:HE22	1:127:A:GLN:HB3	2	0.14	0.02	0.14
(1,1570)	1:135:A:GLN:HE21	1:131:A:TRP:HZ2	2	0.14	0.02	0.14
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG21	2	0.14	0.02	0.14
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG22	2	0.14	0.02	0.14
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG23	2	0.14	0.02	0.14
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD21	2	0.13	0.03	0.13
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD22	2	0.13	0.03	0.13
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD23	2	0.13	0.03	0.13
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB1	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB2	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB3	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB1	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB2	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB3	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB1	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB2	2	0.13	0.02	0.13
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB3	2	0.13	0.02	0.13
(1,1591)	1:135:A:GLN:H	1:135:A:GLN:HE21	2	0.13	0.02	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD11	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD12	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD13	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD11	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD12	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD13	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD11	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD12	2	0.13	0.0	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD13	2	0.13	0.0	0.13
(1,2478)	1:227:A:PHE:HB3	1:228:A:GLN:H	2	0.13	0.02	0.13
(1,2274)	1:214:A:GLY:H	1:215:A:LYS:HA	2	0.12	0.01	0.12
(1,2362)	1:222:A:LEU:H	1:224:A:ASP:H	2	0.12	0.01	0.12
(2,125)	1:172:A:LYS:H	1:175:A:ARG:O	2	0.12	0.02	0.12
(1,648)	1:61:A:LYS:H	1:61:A:LYS:HD3	2	0.12	0.01	0.12
(1,648)	1:61:A:LYS:H	1:61:A:LYS:HD2	2	0.12	0.01	0.12
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD11	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)
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD12	2	0.12	0.01	0.12
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD13	2	0.12	0.01	0.12
(1,1949)	1:171:A:TYR:HD1	1:176:A:GLU:H	2	0.12	0.02	0.12
(1,1949)	1:171:A:TYR:HD2	1:176:A:GLU:H	2	0.12	0.02	0.12
(1,2550)	1:231:A:MET:HA	1:231:A:MET:HG3	2	0.12	0.02	0.12
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD11	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD12	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD13	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD11	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD12	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD13	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD11	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD12	2	0.12	0.0	0.12
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD13	2	0.12	0.0	0.12
(1,1300)	1:113:A:ILE:H	1:116:A:VAL:HB	2	0.12	0.0	0.12
(1,1746)	1:153:A:VAL:HG11	1:145:A:TRP:HB2	2	0.12	0.0	0.12
(1,1746)	1:153:A:VAL:HG12	1:145:A:TRP:HB2	2	0.12	0.0	0.12
(1,1746)	1:153:A:VAL:HG13	1:145:A:TRP:HB2	2	0.12	0.0	0.12
(2,137)	1:205:A:TYR:H	1:220:A:LEU:O	2	0.12	0.0	0.12
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD11	2	0.11	0.0	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD12	2	0.11	0.0	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD13	2	0.11	0.0	0.11
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD11	2	0.11	0.01	0.11
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD12	2	0.11	0.01	0.11
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD13	2	0.11	0.01	0.11
(1,2289)	1:208:A:ILE:HG21	1:217:A:LYS:HA	2	0.11	0.01	0.11
(1,2289)	1:208:A:ILE:HG22	1:217:A:LYS:HA	2	0.11	0.01	0.11
(1,2289)	1:208:A:ILE:HG23	1:217:A:LYS:HA	2	0.11	0.01	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD21	2	0.11	0.0	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD22	2	0.11	0.0	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD23	2	0.11	0.0	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD21	2	0.11	0.0	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD22	2	0.11	0.0	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD23	2	0.11	0.0	0.11
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD11	2	0.1	0.0	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD12	2	0.1	0.0	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD13	2	0.1	0.0	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD21	2	0.1	0.0	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD22	2	0.1	0.0	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD23	2	0.1	0.0	0.1
(1,2054)	1:194:A:ILE:HD11	1:155:A:LEU:HG	2	0.1	0.0	0.1
(1,2054)	1:194:A:ILE:HD12	1:155:A:LEU:HG	2	0.1	0.0	0.1

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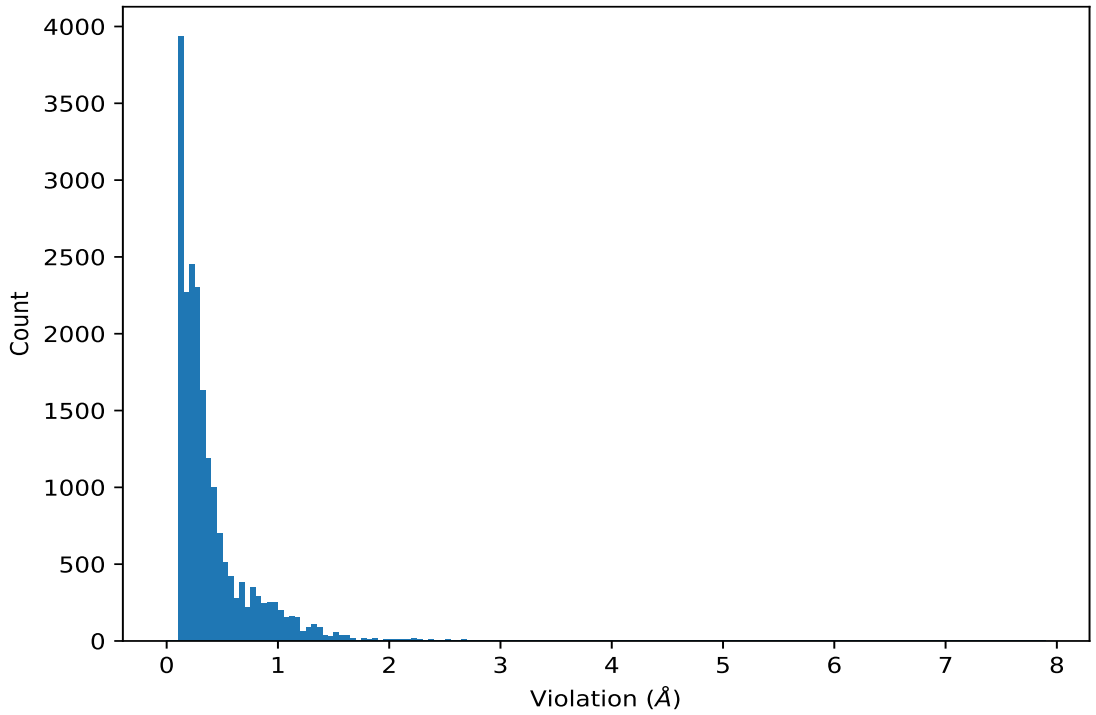
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2054)	1:194:A:ILE:HD13	1:155:A:LEU:HG	2	0.1	0.0	0.1

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	15	7.87
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	19	5.89
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	18	3.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	1	3.27
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	3	3.02
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	20	2.89
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	19	2.84
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	19	2.84
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	19	2.84
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	19	2.84
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	19	2.84
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	2	2.69
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	2	2.69
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	2	2.69
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	2	2.69
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	2	2.69
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	2	2.69
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	7	2.66
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	4	2.57
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	3	2.56
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	9	2.55
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	12	2.55
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	10	2.54
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	15	2.54
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	16	2.52
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	17	2.52
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	20	2.52
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	1	2.51
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	11	2.51
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	14	2.51
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	17	2.51
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	6	2.5
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	18	2.5
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	7	2.49
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	5	2.47
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	19	2.47
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	13	2.46
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	8	2.45
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	8	2.44
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	10	2.44
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	1	2.43
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	11	2.4
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	11	2.39
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	11	2.39
(1,1989)	1:158:A:LYS:H	1:189:A:ILE:HB	2	2.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	3	2.37
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	16	2.36
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	12	2.35
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	13	2.34
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	14	2.32
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	15	2.32
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	15	2.3
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	6	2.29
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	18	2.29
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	16	2.28
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	14	2.28
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	8	2.27
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	20	2.27
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	12	2.27
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	17	2.26
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	18	2.26
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	4	2.25
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	10	2.25
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	13	2.25
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	2	2.24
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	1	2.23
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	1	2.23
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	19	2.23
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	15	2.23
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	15	2.23
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	9	2.22
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	15	2.22
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	5	2.21
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	6	2.21
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	7	2.21
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	3	2.2
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	9	2.2
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	12	2.2
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	14	2.2
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	16	2.2
(2,29)	1:45:A:ALA:H	1:78:A:GLY:O	11	2.18
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	7	2.15
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	17	2.15
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	19	2.15
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD11	4	2.15
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD12	4	2.15
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD13	4	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	10	2.12
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	6	2.12
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	3	2.11
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	5	2.11
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	4	2.1
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	18	2.1
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	4	2.1
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	11	2.1
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	8	2.09
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	11	2.09
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	16	2.09
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	16	2.09
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	8	2.09
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	19	2.07
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	19	2.07
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	10	2.07
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	16	2.06
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	12	2.05
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	13	2.05
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	13	2.05
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	18	2.04
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	13	2.02
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	14	2.02
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	15	2.01
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	13	2.01
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	15	2.0
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	13	2.0
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	13	2.0
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	13	2.0
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	13	1.99
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	13	1.99
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	13	1.99
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	13	1.99
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	13	1.99
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	13	1.99
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	4	1.96
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	1	1.95
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	20	1.95
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	2	1.94
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	9	1.91
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	8	1.91
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	8	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	7	1.9
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	13	1.9
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	3	1.9
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	3	1.9
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	3	1.9
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	15	1.89
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	17	1.88
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	8	1.87
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	4	1.86
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	4	1.86
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	1	1.86
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	10	1.86
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	7	1.85
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	19	1.85
(2,119)	1:158:A:LYS:H	1:141:A:GLU:O	5	1.85
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	5	1.85
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	3	1.84
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	6	1.84
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	20	1.83
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	20	1.83
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	18	1.82
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	1	1.82
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	4	1.81
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	19	1.8
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	12	1.8
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	3	1.8
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	3	1.8
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	7	1.79
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	12	1.79
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	4	1.79
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	4	1.79
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	14	1.79
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	2	1.78
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	8	1.77
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	8	1.77
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	6	1.77
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	6	1.76
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	20	1.76
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	6	1.75
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	1	1.75
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	6	1.75
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	6	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	6	1.75
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	6	1.75
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	6	1.75
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	6	1.75
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	2	1.74
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	19	1.74
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	13	1.73
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	7	1.7
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	7	1.7
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	6	1.69
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	2	1.68
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	20	1.68
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	2	1.68
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	5	1.68
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	13	1.67
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	13	1.67
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	13	1.67
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	19	1.67
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	20	1.67
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	19	1.67
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	17	1.66
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	10	1.66
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	19	1.65
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	19	1.65
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	11	1.65
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	11	1.65
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	3	1.65
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	20	1.65
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	15	1.64
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	6	1.64
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	6	1.64
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	4	1.63
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	8	1.63
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	10	1.63
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	12	1.63
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	5	1.63
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	11	1.63
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	10	1.63
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	10	1.63
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	10	1.63
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	10	1.63
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	10	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	10	1.63
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	2	1.63
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	2	1.63
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	3	1.62
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	2	1.62
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	9	1.62
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	10	1.62
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	10	1.62
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	1	1.61
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	11	1.61
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	14	1.61
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	9	1.61
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	16	1.6
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	18	1.6
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	12	1.6
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	12	1.6
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	6	1.6
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	9	1.6
(2,120)	1:158:A:LYS:N	1:141:A:GLU:O	5	1.59
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	7	1.59
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	9	1.59
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	12	1.59
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	8	1.59
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	8	1.59
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	8	1.59
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	14	1.59
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	14	1.59
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	14	1.59
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	18	1.59
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	8	1.59
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	2	1.58
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	2	1.58
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	12	1.58
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	12	1.58
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	1	1.58
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	1	1.58
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	1	1.58
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	9	1.58
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	9	1.58
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	17	1.58
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	11	1.58
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	13	1.57
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	13	1.57
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	13	1.57
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	12	1.57
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	13	1.56
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	13	1.56
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	11	1.56
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	1	1.56
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	1	1.56
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	13	1.56
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	6	1.56
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	13	1.56
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	20	1.55
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	19	1.55
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	4	1.54
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	4	1.54
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	14	1.54
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	14	1.54
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	6	1.54
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	6	1.54
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	4	1.54
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	15	1.54
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	4	1.54
(1,2260)	1:213:A:ARG:HG2	1:212:A:ASP:HB3	5	1.53
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	14	1.53
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	14	1.53
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	14	1.53
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	9	1.53
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	3	1.53
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	1	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	1	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	8	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	8	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	11	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	11	1.52
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	4	1.52
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	4	1.52
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	4	1.52
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	17	1.52
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	17	1.52
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG21	19	1.52
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG22	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG23	19	1.52
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	1	1.52
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	1	1.52
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	1	1.52
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	4	1.52
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	5	1.51
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	5	1.51
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	10	1.51
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	10	1.51
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	15	1.51
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	15	1.51
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	9	1.51
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	17	1.51
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	16	1.5
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	16	1.5
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	5	1.5
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	20	1.5
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	14	1.5
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	18	1.5
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	3	1.5
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	3	1.5
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	3	1.5
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	3	1.5
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	3	1.5
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	3	1.5
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	12	1.5
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	8	1.49
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	9	1.48
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	9	1.48
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	5	1.48
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	5	1.48
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	5	1.48
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	5	1.48
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	16	1.48
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	13	1.47
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	13	1.47
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	13	1.47
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	10	1.47
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	10	1.47
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	13	1.47
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	13	1.47
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	13	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	18	1.47
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	18	1.47
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	18	1.47
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	1	1.47
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	2	1.47
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	19	1.47
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	13	1.47
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	10	1.47
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	15	1.47
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	18	1.47
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	8	1.46
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	9	1.46
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	13	1.46
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	18	1.46
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	17	1.45
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	17	1.45
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	18	1.45
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	18	1.45
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	20	1.45
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	20	1.45
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	15	1.45
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	15	1.45
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	15	1.45
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	7	1.45
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	11	1.45
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	15	1.45
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	12	1.44
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	9	1.44
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	14	1.44
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	3	1.43
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	3	1.43
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	3	1.43
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	18	1.43
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	18	1.43
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	18	1.43
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	2	1.43
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	10	1.43
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	7	1.42
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	7	1.42
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	19	1.42
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	19	1.42
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	19	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	3	1.42
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	7	1.42
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	17	1.42
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	11	1.41
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	11	1.41
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	11	1.41
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	20	1.41
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	20	1.41
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	20	1.41
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	14	1.41
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	14	1.41
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	12	1.4
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	12	1.4
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	12	1.4
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	17	1.4
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	7	1.4
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	2	1.39
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	2	1.39
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	2	1.39
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	7	1.39
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	7	1.39
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	7	1.39
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	16	1.39
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	16	1.39
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	16	1.39
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	13	1.39
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	2	1.39
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	8	1.38
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	8	1.38
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	8	1.38
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	9	1.38
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	9	1.38
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	9	1.38
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	10	1.38
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	10	1.38
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	10	1.38
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	10	1.38
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	10	1.38
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	10	1.38
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	12	1.38
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	12	1.38
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	12	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	6	1.38
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	4	1.38
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	2	1.38
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	3	1.38
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	11	1.38
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	4	1.37
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	4	1.37
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	4	1.37
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	4	1.37
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	16	1.37
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	16	1.37
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	16	1.37
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	2	1.37
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	14	1.37
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	14	1.37
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	14	1.37
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	18	1.36
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	18	1.36
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	18	1.36
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	6	1.36
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	6	1.36
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	6	1.36
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	6	1.36
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	6	1.36
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	6	1.36
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	17	1.36
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	17	1.36
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	17	1.36
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	5	1.36
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	5	1.36
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	5	1.36
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	11	1.36
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	10	1.36
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	10	1.36
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	5	1.36
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	5	1.36
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	19	1.35
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	19	1.35
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	19	1.35
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	19	1.35
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	19	1.35
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	19	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	5	1.35
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	5	1.35
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	5	1.35
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	19	1.35
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	1	1.35
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	5	1.35
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	7	1.35
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	7	1.35
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	7	1.35
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	8	1.35
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	8	1.35
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	8	1.35
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	13	1.35
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	13	1.35
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	13	1.35
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	13	1.35
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	13	1.35
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	10	1.35
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	20	1.34
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	20	1.34
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	20	1.34
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	20	1.34
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	20	1.34
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	20	1.34
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG2	3	1.34
(1,2259)	1:212:A:ASP:HB2	1:213:A:ARG:HG3	3	1.34
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	18	1.34
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	6	1.34
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	6	1.34
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	6	1.34
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	8	1.34
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	8	1.34
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	8	1.34
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	9	1.34
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	9	1.34
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	9	1.34
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	11	1.34
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	11	1.34
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	11	1.34
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	16	1.34
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	20	1.34
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	16	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	7	1.34
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	18	1.34
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	3	1.33
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	2	1.33
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	2	1.33
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	2	1.33
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	8	1.33
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	1	1.33
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	6	1.33
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	6	1.33
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	5	1.33
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	16	1.33
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	20	1.33
(1,317)	1:40:A:ARG:HH12	1:34:A:LEU:HB3	4	1.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	1	1.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	1	1.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	1	1.32
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	19	1.32
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	17	1.32
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	17	1.32
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	17	1.32
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	20	1.32
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	20	1.32
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	20	1.32
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	11	1.32
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	11	1.32
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	11	1.32
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	17	1.32
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	17	1.32
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	17	1.32
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	1	1.32
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	5	1.32
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	15	1.31
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	2	1.31
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	2	1.31
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	2	1.31
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	7	1.31
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	7	1.31
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	7	1.31
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	17	1.31
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	17	1.31
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	6	1.31
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	8	1.31
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	9	1.31
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	18	1.31
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	8	1.31
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	19	1.31
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	19	1.31
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	19	1.31
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	16	1.31
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	4	1.31
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	16	1.3
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	16	1.3
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	16	1.3
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	11	1.3
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	11	1.3
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	16	1.3
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	16	1.3
(1,2077)	1:222:A:LEU:HD11	1:194:A:ILE:HB	6	1.3
(1,2077)	1:222:A:LEU:HD12	1:194:A:ILE:HB	6	1.3
(1,2077)	1:222:A:LEU:HD13	1:194:A:ILE:HB	6	1.3
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	16	1.3
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	16	1.3
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	16	1.3
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	9	1.3
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	9	1.3
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	9	1.3
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	3	1.3
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	2	1.3
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	16	1.3
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	12	1.3
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	12	1.3
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	12	1.3
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	7	1.3
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	14	1.3
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	14	1.3
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	14	1.3
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	14	1.3
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	14	1.3
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	14	1.3
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	7	1.3
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	5	1.29
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	11	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	20	1.29
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	20	1.29
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	20	1.29
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	13	1.29
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	4	1.29
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	4	1.29
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	4	1.29
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	14	1.29
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	6	1.29
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	8	1.29
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	17	1.28
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	15	1.28
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	15	1.28
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	15	1.28
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	17	1.28
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	3	1.28
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	3	1.28
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	1	1.28
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	1	1.28
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	3	1.28
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	3	1.28
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	3	1.28
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	13	1.28
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	15	1.28
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	19	1.28
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	13	1.27
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	18	1.27
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	4	1.27
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	4	1.27
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	10	1.27
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	10	1.27
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	5	1.27
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	5	1.27
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	5	1.27
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	12	1.27
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	12	1.27
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	12	1.27
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	17	1.27
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	17	1.27
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	8	1.27
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	8	1.27
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	8	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	16	1.27
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG3	15	1.27
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG2	15	1.27
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	15	1.27
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	15	1.27
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	15	1.27
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	18	1.27
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	1	1.27
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	7	1.27
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	17	1.26
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	17	1.26
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	17	1.26
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	3	1.26
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	3	1.26
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	6	1.26
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	6	1.26
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	18	1.26
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	18	1.26
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	4	1.26
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	14	1.26
(1,1261)	1:111:A:VAL:HG11	1:113:A:ILE:HG13	19	1.26
(1,1261)	1:111:A:VAL:HG12	1:113:A:ILE:HG13	19	1.26
(1,1261)	1:111:A:VAL:HG13	1:113:A:ILE:HG13	19	1.26
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	18	1.26
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	16	1.26
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	14	1.26
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	5	1.25
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	20	1.25
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	5	1.25
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	5	1.25
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	5	1.25
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	11	1.25
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	11	1.25
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	11	1.25
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	18	1.25
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	18	1.25
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	18	1.25
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	1	1.25
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	1	1.25
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	1	1.25
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	20	1.25
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	6	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	12	1.25
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	20	1.25
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	14	1.25
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	19	1.25
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	12	1.24
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	18	1.24
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	18	1.24
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	5	1.24
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	5	1.24
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	8	1.24
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	8	1.24
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	8	1.24
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	17	1.24
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	6	1.24
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	6	1.24
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	6	1.24
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	6	1.24
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	6	1.24
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	6	1.24
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	19	1.24
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	3	1.24
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	3	1.24
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	3	1.24
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	6	1.24
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	2	1.24
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	3	1.23
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	12	1.23
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	12	1.23
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	2	1.23
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	18	1.23
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	18	1.23
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	18	1.23
(1,844)	1:79:A:ILE:HB	1:77:A:THR:H	19	1.23
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	12	1.23
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	13	1.22
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	10	1.22
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	10	1.22
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	10	1.22
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	1	1.22
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	1	1.22
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	1	1.22
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	19	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	6	1.22
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	7	1.22
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	1	1.21
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	14	1.21
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	10	1.21
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	10	1.21
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	10	1.21
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	19	1.21
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	19	1.21
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	19	1.21
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	2	1.21
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	2	1.21
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	9	1.21
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	9	1.21
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	4	1.21
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	4	1.21
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	4	1.21
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	4	1.21
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	4	1.21
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	4	1.21
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	2	1.21
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	2	1.21
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	16	1.21
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	16	1.21
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	9	1.21
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	16	1.21
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	2	1.2
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	4	1.2
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	8	1.2
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	8	1.2
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	8	1.2
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	8	1.2
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	8	1.2
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	5	1.2
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	5	1.2
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	5	1.2
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	5	1.2
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	5	1.2
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	5	1.2
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	7	1.2
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	7	1.2
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	7	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	11	1.2
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	11	1.2
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	11	1.2
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	7	1.2
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	7	1.2
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	7	1.2
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	12	1.2
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	12	1.2
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	12	1.2
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	3	1.2
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	14	1.2
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	14	1.2
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	3	1.2
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	17	1.2
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	3	1.19
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	3	1.19
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	3	1.19
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	20	1.19
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	20	1.19
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	15	1.19
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	15	1.19
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	15	1.19
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	15	1.19
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	15	1.19
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	15	1.19
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	7	1.19
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	10	1.19
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	10	1.19
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	10	1.19
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	10	1.19
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	15	1.19
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	15	1.19
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	15	1.19
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	15	1.19
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	9	1.18
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	1	1.18
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	6	1.18
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	5	1.18
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	5	1.18
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	11	1.18
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	11	1.18
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	11	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	11	1.18
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	11	1.18
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	11	1.18
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	2	1.18
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	2	1.18
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	2	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	10	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	10	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	10	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	12	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	12	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	12	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	16	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	16	1.18
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	16	1.18
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	1	1.18
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	3	1.18
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	15	1.18
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	8	1.18
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	8	1.18
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	8	1.18
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	8	1.18
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	8	1.18
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	8	1.18
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	11	1.18
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	16	1.17
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	14	1.17
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	14	1.17
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	14	1.17
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	13	1.17
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	1	1.17
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	1	1.17
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	19	1.17
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	19	1.17
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	3	1.17
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	3	1.17
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	3	1.17
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	3	1.17
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	3	1.17
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	3	1.17
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	9	1.17
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	9	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	9	1.17
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	9	1.17
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	9	1.17
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	9	1.17
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	13	1.17
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	13	1.17
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	13	1.17
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	5	1.17
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	18	1.17
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	19	1.17
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	3	1.17
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	3	1.17
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	3	1.17
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	3	1.17
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	3	1.17
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	3	1.17
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	3	1.17
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	3	1.17
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	3	1.17
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	10	1.17
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	10	1.17
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	5	1.16
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	7	1.16
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	7	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	1	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	1	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	1	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	1	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	1	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	1	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	13	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	13	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	13	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	13	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	13	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	13	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	16	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	16	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	16	1.16
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	16	1.16
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	16	1.16
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	16	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	17	1.16
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	17	1.16
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	17	1.16
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	11	1.16
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	11	1.16
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	11	1.16
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	11	1.16
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	11	1.16
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	11	1.16
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	9	1.16
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	11	1.16
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	11	1.15
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	12	1.15
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	10	1.15
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	15	1.15
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	15	1.15
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	15	1.15
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	4	1.15
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	4	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	4	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	4	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	4	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	7	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	7	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	7	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	9	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	9	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	9	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	17	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	17	1.15
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	17	1.15
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	4	1.15
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	4	1.15
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	13	1.15
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	20	1.14
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	7	1.14
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	1	1.14
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	12	1.14
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	12	1.14
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	12	1.14
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	19	1.14
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	19	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	19	1.14
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	17	1.14
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	17	1.14
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	17	1.14
(1,1718)	1:152:A:ASN:HD21	1:150:A:GLU:HG3	12	1.14
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	4	1.14
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	10	1.13
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	3	1.13
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	13	1.13
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	13	1.13
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	13	1.13
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	3	1.13
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	3	1.13
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	3	1.13
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	19	1.13
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	19	1.13
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	19	1.13
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	18	1.13
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	1	1.13
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	1	1.13
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	1	1.13
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	6	1.13
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	6	1.13
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	6	1.13
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	14	1.13
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	14	1.13
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	14	1.13
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	14	1.13
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	14	1.13
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	14	1.13
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	14	1.13
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	14	1.13
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	14	1.13
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	16	1.12
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	19	1.12
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	14	1.12
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	14	1.12
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	14	1.12
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	14	1.12
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	14	1.12
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	14	1.12
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	14	1.12
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	14	1.12
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	4	1.12
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	4	1.12
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	4	1.12
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	2	1.12
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	2	1.12
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	2	1.12
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	3	1.12
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	3	1.12
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	3	1.12
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	2	1.12
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	2	1.12
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	2	1.12
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	6	1.12
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	12	1.12
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	20	1.12
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	20	1.12
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	20	1.12
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	6	1.11
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	19	1.11
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	4	1.11
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	4	1.11
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	4	1.11
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	6	1.11
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	6	1.11
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	6	1.11
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	6	1.11
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	6	1.11
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	14	1.11
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	14	1.11
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	13	1.11
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	13	1.11
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	13	1.11
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	7	1.11
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	7	1.11
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	7	1.11
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	14	1.11
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	14	1.11
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	14	1.11
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	18	1.11
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	18	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	18	1.11
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	1	1.11
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	1	1.11
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	1	1.11
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	1	1.11
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	1	1.11
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	1	1.11
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	1	1.11
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	1	1.11
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	1	1.11
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	12	1.11
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	12	1.11
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	5	1.11
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	5	1.11
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	5	1.11
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	20	1.11
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	5	1.1
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	5	1.1
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	5	1.1
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	5	1.1
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	5	1.1
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	5	1.1
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	5	1.1
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	5	1.1
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	5	1.1
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	14	1.1
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	14	1.1
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	14	1.1
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	18	1.1
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	18	1.1
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	18	1.1
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	6	1.1
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	6	1.1
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	6	1.1
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	5	1.1
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	18	1.1
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	9	1.1
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	11	1.1
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	16	1.1
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	16	1.1
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	16	1.1
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	11	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	11	1.1
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	15	1.1
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	15	1.1
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	15	1.1
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	13	1.1
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	7	1.09
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	11	1.09
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	8	1.09
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	4	1.09
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	4	1.09
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	4	1.09
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	4	1.09
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	4	1.09
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	4	1.09
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	4	1.09
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	4	1.09
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	4	1.09
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	9	1.09
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	9	1.09
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	9	1.09
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	11	1.09
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	14	1.09
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	14	1.09
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	14	1.09
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	6	1.09
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	6	1.09
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	6	1.09
(1,460)	1:47:A:LYS:H	1:48:A:LEU:HG	8	1.09
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	1	1.08
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	1	1.08
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	1	1.08
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	18	1.08
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	18	1.08
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	18	1.08
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	18	1.08
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	18	1.08
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	18	1.08
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	10	1.08
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	10	1.08
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	10	1.08
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	5	1.08
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	5	1.08
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	5	1.08
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	5	1.08
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	5	1.08
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	14	1.08
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	13	1.08
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	13	1.08
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	13	1.08
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	18	1.08
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	18	1.08
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	18	1.08
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	4	1.07
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	18	1.07
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	18	1.07
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	18	1.07
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	18	1.07
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	18	1.07
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	18	1.07
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	18	1.07
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	18	1.07
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	18	1.07
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	7	1.07
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	7	1.07
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	7	1.07
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	7	1.07
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	7	1.07
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	7	1.07
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	14	1.07
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	14	1.07
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	14	1.07
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	14	1.07
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	14	1.07
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	14	1.07
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	7	1.07
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	7	1.07
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	20	1.07
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	20	1.07
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	20	1.07
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	12	1.07
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	2	1.07
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	2	1.07
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	8	1.07
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	8	1.07
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	8	1.07
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	8	1.07
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	8	1.07
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	8	1.07
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	17	1.06
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	1	1.06
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	1	1.06
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	1	1.06
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	4	1.06
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	13	1.06
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	13	1.06
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	17	1.06
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	17	1.06
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	18	1.06
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	18	1.06
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	18	1.06
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	14	1.06
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	14	1.06
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	14	1.06
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	14	1.06
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	10	1.06
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	10	1.06
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	10	1.06
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	8	1.06
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	8	1.06
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	8	1.06
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	5	1.06
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	8	1.06
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	8	1.06
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	8	1.06
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	8	1.06
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	8	1.06
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	8	1.06
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	8	1.06
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	8	1.06
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	8	1.06
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	3	1.06
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	3	1.06
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	13	1.06
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	13	1.06
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	13	1.05
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	18	1.05
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	18	1.05
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	18	1.05
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	2	1.05
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	2	1.05
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	2	1.05
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	6	1.05
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	6	1.05
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	6	1.05
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	14	1.05
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	14	1.05
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	14	1.05
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	15	1.05
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	15	1.05
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	15	1.05
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	16	1.05
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	16	1.05
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	16	1.05
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	20	1.05
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	20	1.05
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	20	1.05
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	20	1.05
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	20	1.05
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	20	1.05
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	20	1.05
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	20	1.05
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	20	1.05
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	18	1.05
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	18	1.05
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	18	1.05
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	11	1.05
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	11	1.05
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	11	1.05
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	18	1.04
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	7	1.04
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	13	1.04
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	13	1.04
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	13	1.04
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	20	1.04
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	20	1.04
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	16	1.04
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	15	1.04
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	2	1.03
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	7	1.03
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	7	1.03
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	7	1.03
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	7	1.03
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	7	1.03
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	7	1.03
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	7	1.03
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	7	1.03
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	7	1.03
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	12	1.03
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	12	1.03
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	12	1.03
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	12	1.03
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	12	1.03
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	12	1.03
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	12	1.03
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	12	1.03
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	12	1.03
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	13	1.03
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	13	1.03
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	13	1.03
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	18	1.03
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	3	1.03
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	3	1.03
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	3	1.03
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	7	1.03
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	1	1.03
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	15	1.03
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	15	1.03
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	15	1.03
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	5	1.03
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	5	1.03
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	5	1.03
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	7	1.03
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	7	1.03
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	7	1.03
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	17	1.03
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	17	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	17	1.03
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	3	1.03
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	3	1.03
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	3	1.03
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	10	1.02
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	3	1.02
(1,2507)	1:230:A:LEU:H	1:228:A:GLN:HG2	9	1.02
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	12	1.02
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	12	1.02
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	12	1.02
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	12	1.02
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	12	1.02
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	12	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	5	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	5	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	5	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	6	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	6	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	6	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	18	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	18	1.02
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	18	1.02
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	7	1.02
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	7	1.02
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	7	1.02
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	18	1.02
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	18	1.02
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	18	1.02
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	18	1.02
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	18	1.02
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	18	1.02
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	18	1.02
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	18	1.02
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	18	1.02
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	7	1.02
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	5	1.02
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	5	1.02
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	5	1.02
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	4	1.02
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	4	1.02
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	4	1.02
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	10	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	10	1.02
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	10	1.02
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	11	1.02
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	11	1.02
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	11	1.02
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	14	1.02
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	14	1.02
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	14	1.02
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	19	1.02
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	19	1.02
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	19	1.02
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	19	1.02
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	19	1.02
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	19	1.02
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	19	1.02
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	19	1.02
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	19	1.02
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	20	1.01
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	20	1.01
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	20	1.01
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	20	1.01
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	20	1.01
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	20	1.01
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	20	1.01
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	20	1.01
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	20	1.01
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	6	1.01
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	6	1.01
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	6	1.01
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	11	1.01
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	11	1.01
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	11	1.01
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	12	1.01
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	12	1.01
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	12	1.01
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	12	1.01
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	6	1.01
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	6	1.01
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	6	1.01
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	9	1.01
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	9	1.01
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	9	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	11	1.01
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	11	1.01
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	11	1.01
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	3	1.01
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	3	1.01
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	10	1.01
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	10	1.01
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	10	1.01
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	10	1.01
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	10	1.01
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	10	1.01
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	1	1.01
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	1	1.01
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	5	1.01
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	5	1.01
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	5	1.01
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	5	1.01
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	5	1.01
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	5	1.01
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	5	1.01
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	5	1.01
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	5	1.01
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	19	1.01
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	19	1.01
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	19	1.01
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	4	1.01
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	4	1.01
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	4	1.01
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	17	1.01
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	16	1.01
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	9	1.0
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	16	1.0
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	7	1.0
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	19	1.0
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	19	1.0
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	19	1.0
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	6	1.0
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	5	1.0
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	12	1.0
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	18	1.0
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	13	1.0
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	13	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	16	1.0
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	10	1.0
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	1	1.0
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	1	1.0
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	1	1.0
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	8	1.0
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	8	1.0
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	8	1.0
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	13	1.0
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	13	1.0
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	13	1.0
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	1	1.0
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	1	1.0
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	1	1.0
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	10	1.0
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	10	1.0
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	10	1.0
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	6	1.0
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	6	1.0
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	6	1.0
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	20	1.0
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	11	1.0
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	11	1.0
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	11	1.0
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	3	1.0
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	20	1.0
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	16	0.99
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	16	0.99
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	16	0.99
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	16	0.99
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	16	0.99
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	16	0.99
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	16	0.99
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	16	0.99
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	16	0.99
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	19	0.99
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	19	0.99
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	19	0.99
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	19	0.99
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	19	0.99
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	19	0.99
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	19	0.99
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	19	0.99
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	9	0.99
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	9	0.99
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	9	0.99
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	1	0.99
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	1	0.99
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	1	0.99
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	20	0.99
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	20	0.99
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	20	0.99
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	13	0.99
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	13	0.99
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	9	0.99
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	9	0.99
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	9	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	4	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	4	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	4	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	12	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	12	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	12	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	13	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	13	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	13	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	14	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	14	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	14	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	18	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	18	0.99
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	18	0.99
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	20	0.99
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	20	0.99
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	20	0.99
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	16	0.99
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	16	0.99
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	16	0.99
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	1	0.99
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	4	0.99
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	14	0.99
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	17	0.99
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	17	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	9	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	3	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	3	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	3	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	3	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	3	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	3	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	3	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	3	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	3	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	13	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	13	0.98
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	13	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	13	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	13	0.98
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	13	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	13	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	13	0.98
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	13	0.98
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	8	0.98
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	8	0.98
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	8	0.98
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	2	0.98
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	2	0.98
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	12	0.98
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	12	0.98
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	4	0.98
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	4	0.98
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	4	0.98
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	1	0.98
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	3	0.98
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	3	0.98
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	3	0.98
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	3	0.98
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	2	0.98
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	2	0.98
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	2	0.98
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	17	0.98
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	17	0.98
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	17	0.98
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	8	0.98
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	8	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	8	0.98
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	20	0.98
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	20	0.98
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	20	0.98
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	6	0.98
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	14	0.98
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	14	0.98
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	2	0.98
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	17	0.98
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	15	0.97
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	1	0.97
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	1	0.97
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	1	0.97
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	1	0.97
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	1	0.97
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	1	0.97
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	1	0.97
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	1	0.97
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	1	0.97
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	2	0.97
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	2	0.97
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	2	0.97
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	2	0.97
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	2	0.97
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	2	0.97
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	2	0.97
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	2	0.97
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	2	0.97
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	20	0.97
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	5	0.97
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	5	0.97
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	5	0.97
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	16	0.97
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	16	0.97
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	16	0.97
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	4	0.97
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	4	0.97
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	4	0.97
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	11	0.97
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	11	0.97
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	15	0.97
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	15	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	15	0.97
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	2	0.97
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	3	0.97
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	6	0.97
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	7	0.97
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	20	0.97
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	20	0.97
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	20	0.97
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	6	0.97
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	6	0.97
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	6	0.97
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	15	0.97
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	15	0.97
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	15	0.97
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	18	0.97
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	18	0.97
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	18	0.97
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	11	0.97
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	11	0.97
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	11	0.97
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	11	0.97
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	11	0.97
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	11	0.97
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	11	0.97
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	11	0.97
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	11	0.97
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	8	0.97
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	8	0.97
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	19	0.97
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	18	0.97
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	15	0.97
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	12	0.96
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	17	0.96
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	8	0.96
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	8	0.96
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	8	0.96
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	8	0.96
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	8	0.96
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	8	0.96
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	8	0.96
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	8	0.96
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	8	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	17	0.96
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	17	0.96
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	17	0.96
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	17	0.96
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	17	0.96
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	17	0.96
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	17	0.96
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	17	0.96
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	17	0.96
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	12	0.96
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	12	0.96
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	12	0.96
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	14	0.96
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	14	0.96
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	14	0.96
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	11	0.96
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	1	0.96
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	1	0.96
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	1	0.96
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	6	0.96
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	6	0.96
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	6	0.96
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	8	0.96
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	8	0.96
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	15	0.96
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	15	0.96
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	15	0.96
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	19	0.96
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	19	0.96
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	19	0.96
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	20	0.96
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	20	0.96
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	20	0.96
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	13	0.96
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	13	0.96
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	13	0.96
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	13	0.96
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	13	0.96
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	13	0.96
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	13	0.96
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	13	0.96
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	13	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	7	0.96
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	12	0.96
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	13	0.96
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	11	0.96
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	11	0.96
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	11	0.96
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	11	0.96
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	11	0.96
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	11	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	1	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	1	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	1	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	9	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	9	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	9	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	16	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	16	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	16	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	19	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	19	0.96
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	19	0.96
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	12	0.96
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	9	0.96
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	8	0.95
(2,153)	1:220:A:LEU:H	1:205:A:TYR:O	14	0.95
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	10	0.95
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	10	0.95
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	10	0.95
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	10	0.95
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	10	0.95
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	10	0.95
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	10	0.95
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	10	0.95
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	10	0.95
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	7	0.95
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	7	0.95
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	7	0.95
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	5	0.95
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	5	0.95
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	5	0.95
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	19	0.95
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	17	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	5	0.95
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	4	0.95
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD21	5	0.95
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD22	5	0.95
(1,1223)	1:95:A:TYR:H	1:110:A:LEU:HD23	5	0.95
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	2	0.95
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	2	0.95
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	2	0.95
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	9	0.95
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	9	0.95
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	9	0.95
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	5	0.95
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	5	0.95
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	5	0.95
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	5	0.95
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	10	0.95
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	6	0.94
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	7	0.94
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	15	0.94
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	6	0.94
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	6	0.94
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	6	0.94
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	6	0.94
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	6	0.94
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	6	0.94
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	6	0.94
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	6	0.94
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	6	0.94
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	8	0.94
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	8	0.94
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	8	0.94
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	16	0.94
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	16	0.94
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	16	0.94
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	20	0.94
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	20	0.94
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	20	0.94
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	14	0.94
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	13	0.94
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	13	0.94
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	13	0.94
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	1	0.94
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	1	0.94
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	5	0.94
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	5	0.94
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	5	0.94
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	5	0.94
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	5	0.94
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	5	0.94
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	15	0.94
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	9	0.94
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	8	0.94
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	9	0.94
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	14	0.94
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	14	0.94
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	14	0.94
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	11	0.94
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	11	0.94
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	11	0.94
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	3	0.94
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	3	0.94
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	3	0.94
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	18	0.94
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	18	0.94
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	18	0.94
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	18	0.94
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	18	0.94
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	18	0.94
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	18	0.94
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	18	0.94
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	18	0.94
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	9	0.94
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	8	0.93
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	20	0.93
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	8	0.93
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	8	0.93
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	8	0.93
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD1	15	0.93
(1,2318)	1:220:A:LEU:H	1:204:A:PHE:HD2	15	0.93
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	6	0.93
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	5	0.93
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	5	0.93
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	16	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	8	0.93
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	8	0.93
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	15	0.93
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	15	0.93
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	18	0.93
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	18	0.93
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	18	0.93
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	18	0.93
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	18	0.93
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	18	0.93
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	6	0.93
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	9	0.92
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	11	0.92
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	11	0.92
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	11	0.92
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	11	0.92
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	11	0.92
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	11	0.92
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	11	0.92
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	11	0.92
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	11	0.92
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	2	0.92
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	2	0.92
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	2	0.92
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	10	0.92
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	15	0.92
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	9	0.92
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	9	0.92
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	9	0.92
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	20	0.92
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	20	0.92
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	10	0.92
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	19	0.92
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	19	0.92
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	19	0.92
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	2	0.92
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	2	0.92
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	2	0.92
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	18	0.92
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	18	0.92
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	19	0.92
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	19	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	19	0.92
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	17	0.92
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	9	0.92
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	6	0.91
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	4	0.91
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	10	0.91
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	10	0.91
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	10	0.91
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	9	0.91
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	9	0.91
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	9	0.91
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	9	0.91
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	9	0.91
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	9	0.91
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	16	0.91
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	17	0.91
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	14	0.91
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	16	0.91
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	16	0.91
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	16	0.91
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	20	0.91
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	20	0.91
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	20	0.91
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD11	12	0.91
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD12	12	0.91
(1,811)	1:74:A:ASP:H	1:73:A:ILE:HD13	12	0.91
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	2	0.91
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	2	0.91
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	2	0.91
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	2	0.91
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	2	0.91
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	2	0.91
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	2	0.91
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	2	0.91
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	2	0.91
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	13	0.91
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	13	0.91
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	1	0.91
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	1	0.91
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	1	0.91
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	2	0.91
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	18	0.91
(1,365)	1:39:A:VAL:HA	1:121:A:GLN:HE21	12	0.91
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	10	0.91
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	3	0.91
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	3	0.91
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	3	0.91
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	7	0.9
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	18	0.9
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	15	0.9
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	15	0.9
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	15	0.9
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	15	0.9
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	15	0.9
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	15	0.9
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	15	0.9
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	15	0.9
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	15	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	1	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	1	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	1	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	3	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	3	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	3	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	17	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	17	0.9
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	17	0.9
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	10	0.9
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	8	0.9
(1,1471)	1:37:A:GLY:HA3	1:126:A:PHE:HB3	12	0.9
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	16	0.9
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	12	0.9
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	13	0.9
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	13	0.9
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	13	0.9
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	20	0.9
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	20	0.9
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	20	0.9
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	18	0.9
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	18	0.9
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	18	0.9
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	2	0.9
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	2	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	2	0.9
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	2	0.9
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	2	0.9
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	2	0.9
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	19	0.9
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	19	0.9
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	19	0.9
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	5	0.9
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	5	0.9
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	19	0.9
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	19	0.9
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	2	0.9
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	2	0.9
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	2	0.9
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	8	0.9
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	9	0.9
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	7	0.9
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	7	0.9
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	15	0.9
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	19	0.89
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	4	0.89
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD21	9	0.89
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD22	9	0.89
(1,2436)	1:226:A:ALA:HB1	1:222:A:LEU:HD23	9	0.89
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD21	9	0.89
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD22	9	0.89
(1,2436)	1:226:A:ALA:HB2	1:222:A:LEU:HD23	9	0.89
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD21	9	0.89
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD22	9	0.89
(1,2436)	1:226:A:ALA:HB3	1:222:A:LEU:HD23	9	0.89
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	12	0.89
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	12	0.89
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	12	0.89
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	14	0.89
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	14	0.89
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	14	0.89
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	3	0.89
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	3	0.89
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	3	0.89
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	8	0.89
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	8	0.89
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	8	0.89
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	8	0.89
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	8	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	9	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	9	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	9	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	10	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	10	0.89
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	10	0.89
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	8	0.89
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	8	0.89
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	8	0.89
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	4	0.89
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	14	0.89
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	4	0.89
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	4	0.89
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	4	0.89
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	4	0.89
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	4	0.89
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	4	0.89
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	4	0.89
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	4	0.89
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	4	0.89
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	12	0.89
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	12	0.89
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	12	0.89
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	12	0.89
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	12	0.89
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	12	0.89
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	12	0.89
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	12	0.89
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	12	0.89
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	20	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	3	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	3	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	3	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	7	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	7	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	7	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	8	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	8	0.89
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	8	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	13	0.89
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	13	0.89
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	13	0.89
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	13	0.89
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	13	0.89
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	13	0.89
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	13	0.89
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	13	0.89
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	13	0.89
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	16	0.89
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	16	0.89
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	16	0.89
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	2	0.89
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	12	0.89
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	13	0.89
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	3	0.89
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	20	0.88
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	7	0.88
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	7	0.88
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	7	0.88
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	10	0.88
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	10	0.88
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	10	0.88
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	17	0.88
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	17	0.88
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	17	0.88
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	19	0.88
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	19	0.88
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	19	0.88
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	10	0.88
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	10	0.88
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	10	0.88
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	10	0.88
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	10	0.88
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	10	0.88
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	17	0.88
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	17	0.88
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	17	0.88
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	17	0.88
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	17	0.88
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	17	0.88
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	17	0.88
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	17	0.88
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	16	0.88
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	16	0.88
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	16	0.88
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	5	0.88
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	5	0.88
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	5	0.88
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	6	0.88
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	6	0.88
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	6	0.88
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	11	0.88
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	13	0.88
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	20	0.88
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	16	0.88
(1,1564)	1:134:A:LYS:H	1:132:A:ILE:HA	4	0.88
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	1	0.88
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	16	0.88
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	17	0.88
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	13	0.88
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	13	0.88
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	13	0.88
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	9	0.88
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	9	0.88
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	9	0.88
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	15	0.88
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	15	0.88
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	15	0.88
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	17	0.88
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	17	0.88
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	17	0.88
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	16	0.88
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	19	0.88
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	19	0.88
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	19	0.88
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	19	0.88
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	19	0.88
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	19	0.88
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	19	0.88
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	16	0.88
(1,97)	1:20:A:PHE:H	1:19:A:LYS:HA	9	0.88
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	2	0.88
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	17	0.88
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	3	0.87
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	11	0.87
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	11	0.87
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	11	0.87
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	14	0.87
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	14	0.87
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	14	0.87
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	18	0.87
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	18	0.87
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	18	0.87
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	20	0.87
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	20	0.87
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	20	0.87
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	10	0.87
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	10	0.87
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	10	0.87
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	18	0.87
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	18	0.87
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	18	0.87
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	3	0.87
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	3	0.87
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	3	0.87
(1,1701)	1:151:A:SER:H	1:150:A:GLU:HG3	8	0.87
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	13	0.87
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	14	0.87
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	5	0.87
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	5	0.87
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	5	0.87
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	5	0.87
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	5	0.87
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	5	0.87
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	5	0.87
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	5	0.87
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	5	0.87
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	5	0.87
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	16	0.87
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	16	0.87
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	15	0.87
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	19	0.87
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	11	0.87
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	13	0.87
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	7	0.87
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	7	0.87
(1,23)	1:9:A:LYS:H	1:6:A:GLU:HG2	2	0.87
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	13	0.86
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	13	0.86
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	13	0.86
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	17	0.86
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	17	0.86
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	17	0.86
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	17	0.86
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	17	0.86
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	17	0.86
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	15	0.86
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	15	0.86
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	15	0.86
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	6	0.86
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	6	0.86
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	6	0.86
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	6	0.86
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	6	0.86
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	6	0.86
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	18	0.86
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	18	0.86
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	18	0.86
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	18	0.86
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	18	0.86
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	18	0.86
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	1	0.86
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	1	0.86
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	1	0.86
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	1	0.86
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	1	0.86
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	1	0.86
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	1	0.86
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	1	0.86
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	1	0.86
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	14	0.86
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	14	0.86
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	11	0.86
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	2	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	10	0.86
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	7	0.86
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	7	0.86
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	17	0.86
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	17	0.86
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	20	0.86
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	20	0.86
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	20	0.86
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	3	0.86
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	7	0.86
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	14	0.86
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	5	0.86
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	5	0.85
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	5	0.85
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	5	0.85
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	16	0.85
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	16	0.85
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	16	0.85
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	20	0.85
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	20	0.85
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	20	0.85
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	7	0.85
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	7	0.85
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	7	0.85
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	17	0.85
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	17	0.85
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	17	0.85
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	13	0.85
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	15	0.85
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	11	0.85
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	11	0.85
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	11	0.85
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	4	0.85
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	5	0.85
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	4	0.85
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	4	0.85
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	4	0.85
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	2	0.85
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	9	0.85
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	18	0.85
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	2	0.85
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	1	0.84
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	16	0.84
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	16	0.84
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	16	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	5	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	5	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	5	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	7	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	7	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	7	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	19	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	19	0.84
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	19	0.84
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	6	0.84
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	6	0.84
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	6	0.84
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	12	0.84
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	12	0.84
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	12	0.84
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	11	0.84
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	11	0.84
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	11	0.84
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	19	0.84
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	19	0.84
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	19	0.84
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	13	0.84
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	13	0.84
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	13	0.84
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	1	0.84
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	1	0.84
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	10	0.84
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	10	0.84
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	4	0.84
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	6	0.84
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	8	0.84
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	8	0.84
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	8	0.84
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	8	0.84
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	10	0.84
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	10	0.84
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	10	0.84
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	10	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	10	0.84
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	10	0.84
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	14	0.84
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	14	0.84
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	14	0.84
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	7	0.84
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	11	0.84
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	14	0.84
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	10	0.84
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	10	0.84
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	10	0.84
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	6	0.84
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	14	0.83
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	15	0.83
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	5	0.83
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	11	0.83
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	7	0.83
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	7	0.83
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	7	0.83
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	9	0.83
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	9	0.83
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	9	0.83
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	3	0.83
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	3	0.83
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	3	0.83
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	16	0.83
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	16	0.83
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	16	0.83
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	19	0.83
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	19	0.83
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	19	0.83
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	8	0.83
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	8	0.83
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	8	0.83
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	10	0.83
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	10	0.83
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	10	0.83
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	13	0.83
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	13	0.83
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	13	0.83
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	9	0.83
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	6	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	6	0.83
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	6	0.83
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	9	0.83
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	9	0.83
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	9	0.83
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	9	0.83
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	9	0.83
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	9	0.83
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	12	0.83
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	12	0.83
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	12	0.83
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	12	0.83
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	12	0.83
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	12	0.83
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	8	0.83
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	16	0.83
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	17	0.83
(1,43)	1:11:A:LEU:H	1:11:A:LEU:HG	19	0.83
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	1	0.82
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	19	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	7	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	7	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	7	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	11	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	11	0.82
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	11	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	3	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	3	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	3	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	5	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	5	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	5	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	17	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	17	0.82
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	17	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	2	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	2	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	2	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	11	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	11	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	11	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	16	0.82
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	16	0.82
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	20	0.82
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	7	0.82
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	2	0.82
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	1	0.82
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	1	0.82
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	1	0.82
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	13	0.82
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	13	0.82
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	13	0.82
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	11	0.82
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	11	0.82
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	11	0.82
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	11	0.82
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	11	0.82
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	11	0.82
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD11	15	0.82
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD12	15	0.82
(1,862)	1:42:A:TRP:HA	1:79:A:ILE:HD13	15	0.82
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	8	0.82
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	13	0.82
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	9	0.82
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	19	0.82
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	16	0.81
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	10	0.81
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	13	0.81
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	8	0.81
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	8	0.81
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	8	0.81
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	4	0.81
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	4	0.81
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	4	0.81
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	15	0.81
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	15	0.81
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	17	0.81
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	19	0.81
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	19	0.81
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	19	0.81
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	19	0.81
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	19	0.81
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	19	0.81
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	19	0.81
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	19	0.81
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	19	0.81
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	18	0.81
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	16	0.81
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	10	0.81
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	10	0.81
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	10	0.81
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	10	0.81
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	10	0.81
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	10	0.81
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	10	0.81
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	10	0.81
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	10	0.81
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	13	0.81
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	13	0.81
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	13	0.81
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	6	0.81
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	10	0.81
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	19	0.81
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	20	0.81
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	16	0.81
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	14	0.81
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	14	0.81
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	14	0.81
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	15	0.81
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	19	0.8
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	8	0.8
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	20	0.8
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	20	0.8
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	20	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	6	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	6	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	6	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	13	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	13	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	13	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	15	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	15	0.8
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	15	0.8
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	2	0.8
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	2	0.8
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	20	0.8
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	20	0.8
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	20	0.8
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	7	0.8
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	7	0.8
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	7	0.8
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	7	0.8
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	7	0.8
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	7	0.8
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	14	0.8
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	14	0.8
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	14	0.8
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	4	0.8
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	4	0.8
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	4	0.8
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	3	0.8
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	15	0.8
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	9	0.8
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	18	0.8
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	17	0.8
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	2	0.8
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	8	0.8
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	8	0.8
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	14	0.8
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	14	0.8
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	14	0.8
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	14	0.8
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	4	0.8
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	4	0.8
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	4	0.8
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	4	0.8
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	4	0.8
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	4	0.8
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	4	0.8
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	4	0.8
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	4	0.8
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	12	0.8
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	12	0.8
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	12	0.8
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	12	0.8
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	12	0.8
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	12	0.8
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	12	0.8
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	12	0.8
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	20	0.8
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	12	0.79
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	14	0.79
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	17	0.79
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	14	0.79
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB2	2	0.79
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB2	2	0.79
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB2	2	0.79
(1,2269)	1:209:A:LEU:HD21	1:215:A:LYS:HB3	2	0.79
(1,2269)	1:209:A:LEU:HD22	1:215:A:LYS:HB3	2	0.79
(1,2269)	1:209:A:LEU:HD23	1:215:A:LYS:HB3	2	0.79
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	19	0.79
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	19	0.79
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	19	0.79
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	17	0.79
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	17	0.79
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	17	0.79
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG21	13	0.79
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG22	13	0.79
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG23	13	0.79
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	7	0.79
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	9	0.79
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	18	0.79
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	2	0.79
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	17	0.79
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	17	0.79
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	17	0.79
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	17	0.79
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	17	0.79
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	17	0.79
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	17	0.79
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	17	0.79
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	17	0.79
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	8	0.79
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	13	0.79
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	13	0.79
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	2	0.79
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	2	0.79
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	1	0.79
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	1	0.79
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	1	0.79
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	1	0.79
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	1	0.79
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	1	0.79
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	15	0.79
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	15	0.79
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	15	0.79
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	15	0.79
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	15	0.79
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	15	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	9	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	9	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	9	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	9	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	9	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	9	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	9	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	9	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	9	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	15	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	15	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	15	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	15	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	15	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	15	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	15	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	15	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	15	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	16	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	16	0.79
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	16	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	16	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	16	0.79
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	16	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	16	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	16	0.79
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	16	0.79
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	4	0.79
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	4	0.79
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	1	0.79
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	13	0.79
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	2	0.79
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	8	0.79
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	13	0.79
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	10	0.79
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	10	0.79
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	10	0.79
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	5	0.79
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	5	0.79
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	5	0.79
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	19	0.79
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	19	0.79
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	19	0.79
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	11	0.79
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	3	0.79
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	3	0.79
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	10	0.79
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	8	0.78
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	12	0.78
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	18	0.78
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	2	0.78
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	1	0.78
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	1	0.78
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	1	0.78
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	2	0.78
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	2	0.78
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	2	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	5	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	5	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	5	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	15	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	15	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	15	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	18	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	18	0.78
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	18	0.78
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	8	0.78
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	8	0.78
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	8	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	12	0.78
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	12	0.78
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	12	0.78
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	12	0.78
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	12	0.78
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	12	0.78
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	15	0.78
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	15	0.78
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	19	0.78
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	19	0.78
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	19	0.78
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	11	0.78
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	11	0.78
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	11	0.78
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	13	0.78
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	14	0.78
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	19	0.78
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	9	0.78
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	9	0.78
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	9	0.78
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	16	0.78
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	16	0.78
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	16	0.78
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	16	0.78
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	16	0.78
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	16	0.78
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	6	0.78
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	6	0.78
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	6	0.78
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	6	0.78
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	6	0.78
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	6	0.78
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	6	0.78
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	6	0.78
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	6	0.78
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	14	0.78
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	11	0.78
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	11	0.78
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	11	0.78
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	17	0.78
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	12	0.78
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	9	0.78
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	17	0.78
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	2	0.77
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	11	0.77
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	3	0.77
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	3	0.77
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	3	0.77
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	11	0.77
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	11	0.77
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	11	0.77
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	14	0.77
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	14	0.77
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	14	0.77
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	17	0.77
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	17	0.77
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	17	0.77
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	10	0.77
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	10	0.77
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	14	0.77
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	14	0.77
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	14	0.77
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	14	0.77
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	14	0.77
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	14	0.77
(1,1378)	1:119:A:LYS:H	1:119:A:LYS:HD2	15	0.77
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	4	0.77
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	19	0.77
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	15	0.77
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	15	0.77
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	15	0.77
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	14	0.77
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	14	0.77
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	14	0.77
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	9	0.77
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	9	0.77
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	9	0.77
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	3	0.77
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	3	0.77
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	3	0.77
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	3	0.77
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	3	0.77
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	14	0.77
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	14	0.77
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	14	0.77
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	14	0.77
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	14	0.77
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	14	0.77
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	3	0.77
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	2	0.77
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	2	0.77
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	1	0.77
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	1	0.77
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	1	0.77
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	1	0.77
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	1	0.77
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	1	0.77
(1,462)	1:48:A:LEU:H	1:47:A:LYS:HB3	12	0.77
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	11	0.77
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	11	0.77
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	11	0.77
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	11	0.77
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	11	0.77
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	11	0.77
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	12	0.77
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	1	0.77
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	1	0.77
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	1	0.77
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	1	0.76
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	6	0.76
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	8	0.76
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	10	0.76
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	16	0.76
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	10	0.76
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	10	0.76
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	10	0.76
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD11	4	0.76
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD12	4	0.76
(1,2342)	1:145:A:TRP:HB3	1:222:A:LEU:HD13	4	0.76
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	16	0.76
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	16	0.76
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	16	0.76
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	8	0.76
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	8	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	8	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	14	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	14	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	14	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	15	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	15	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	15	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	20	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	20	0.76
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	20	0.76
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD11	18	0.76
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD12	18	0.76
(1,2045)	1:145:A:TRP:HE1	1:194:A:ILE:HD13	18	0.76
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	1	0.76
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	1	0.76
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	1	0.76
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	8	0.76
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	6	0.76
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	15	0.76
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	3	0.76
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	3	0.76
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	7	0.76
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	18	0.76
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	18	0.76
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	18	0.76
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	17	0.76
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	17	0.76
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	17	0.76
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	17	0.76
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	17	0.76
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	17	0.76
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	17	0.76
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	17	0.76
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	17	0.76
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	11	0.76
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	11	0.76
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	11	0.76
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	6	0.76
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	12	0.76
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	12	0.76
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	12	0.76
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	1	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	1	0.76
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	1	0.76
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	14	0.76
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	17	0.76
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	15	0.75
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	7	0.75
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	13	0.75
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	19	0.75
(1,2506)	1:228:A:GLN:HG3	1:230:A:LEU:H	3	0.75
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	9	0.75
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	9	0.75
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	9	0.75
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	4	0.75
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	4	0.75
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	4	0.75
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	9	0.75
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	9	0.75
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	9	0.75
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	8	0.75
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	8	0.75
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	8	0.75
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	12	0.75
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	12	0.75
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	12	0.75
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	4	0.75
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	4	0.75
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	4	0.75
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	19	0.75
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	2	0.75
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	19	0.75
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	2	0.75
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	2	0.75
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	2	0.75
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	2	0.75
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	2	0.75
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	2	0.75
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	2	0.75
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	2	0.75
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	2	0.75
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	2	0.75
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	20	0.75
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	5	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	5	0.75
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	5	0.75
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	17	0.75
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	17	0.75
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	17	0.75
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	13	0.75
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	13	0.75
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	13	0.75
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	13	0.75
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	13	0.75
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	13	0.75
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	1	0.75
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	10	0.75
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	10	0.75
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	10	0.75
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	1	0.75
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	5	0.75
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	18	0.75
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	12	0.75
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	12	0.75
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	12	0.75
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	4	0.74
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	16	0.74
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	1	0.74
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	1	0.74
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	1	0.74
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	1	0.74
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	1	0.74
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	1	0.74
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	12	0.74
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	14	0.74
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	11	0.74
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	17	0.74
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	17	0.74
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	17	0.74
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	19	0.74
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	19	0.74
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	19	0.74
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	2	0.74
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	2	0.74
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	2	0.74
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	20	0.74
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	20	0.74
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	20	0.74
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	20	0.74
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	20	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	2	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	2	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	2	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	2	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	2	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	2	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	6	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	6	0.74
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	6	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	6	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	6	0.74
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	6	0.74
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	19	0.74
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	2	0.74
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	2	0.74
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	2	0.74
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	2	0.74
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	16	0.73
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	16	0.73
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	16	0.73
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	16	0.73
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	16	0.73
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	16	0.73
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	3	0.73
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	6	0.73
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	6	0.73
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	9	0.73
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	5	0.73
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	5	0.73
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	5	0.73
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	11	0.73
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	11	0.73
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	11	0.73
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	5	0.73
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	5	0.73
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	5	0.73
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	5	0.73
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	5	0.73
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	17	0.73
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	17	0.73
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	17	0.73
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	16	0.73
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	14	0.73
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	20	0.73
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	18	0.72
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	5	0.72
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	10	0.72
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	16	0.72
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	19	0.72
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	19	0.72
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	19	0.72
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	7	0.72
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	7	0.72
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	7	0.72
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	13	0.72
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	13	0.72
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	13	0.72
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	7	0.72
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	7	0.72
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	7	0.72
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	10	0.72
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	10	0.72
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	10	0.72
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	8	0.72
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	8	0.72
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	8	0.72
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	8	0.72
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	8	0.72
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	8	0.72
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	3	0.72
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	3	0.72
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	12	0.72
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	3	0.72
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	3	0.72
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	3	0.72
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	3	0.72
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	3	0.72
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	3	0.72
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	3	0.72
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	3	0.72
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	10	0.72
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	10	0.72
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	10	0.72
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	10	0.72
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	10	0.72
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	10	0.72
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	10	0.72
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	10	0.72
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	10	0.72
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	20	0.72
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	20	0.72
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	20	0.72
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	20	0.72
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	20	0.72
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	20	0.72
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	20	0.72
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	20	0.72
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	20	0.72
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	3	0.72
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	3	0.72
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	3	0.72
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	5	0.72
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	3	0.72
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	20	0.72
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	5	0.72
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	19	0.72
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	16	0.71
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	6	0.71
(1,2416)	1:222:A:LEU:HD21	1:225:A:GLU:HG2	9	0.71
(1,2416)	1:222:A:LEU:HD22	1:225:A:GLU:HG2	9	0.71
(1,2416)	1:222:A:LEU:HD23	1:225:A:GLU:HG2	9	0.71
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	10	0.71
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	10	0.71
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	10	0.71
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	17	0.71
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	17	0.71
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	17	0.71
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	18	0.71
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	18	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	18	0.71
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	2	0.71
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	2	0.71
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	2	0.71
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	19	0.71
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	19	0.71
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	19	0.71
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	19	0.71
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	19	0.71
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	19	0.71
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	20	0.71
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	20	0.71
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	20	0.71
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	20	0.71
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	20	0.71
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	20	0.71
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG21	15	0.71
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG22	15	0.71
(1,1800)	1:155:A:LEU:H	1:191:A:THR:HG23	15	0.71
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	2	0.71
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	2	0.71
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	2	0.71
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	20	0.71
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	5	0.71
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	5	0.71
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	20	0.71
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	5	0.71
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	12	0.71
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	7	0.71
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	7	0.71
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	7	0.71
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	11	0.71
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	11	0.71
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	11	0.71
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	2	0.71
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	2	0.71
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	2	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	1	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	1	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	1	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	5	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	5	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	16	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	16	0.71
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	16	0.71
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	4	0.71
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	4	0.71
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	4	0.71
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	4	0.71
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	4	0.71
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	4	0.71
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	10	0.71
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	10	0.71
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	10	0.71
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	20	0.71
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	20	0.71
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	4	0.71
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	9	0.71
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	16	0.71
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	4	0.71
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	5	0.71
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	5	0.71
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	5	0.71
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	1	0.71
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	5	0.71
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	4	0.71
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	9	0.71
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	5	0.7
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	7	0.7
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	7	0.7
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	7	0.7
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	7	0.7
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD21	6	0.7
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD22	6	0.7
(1,2078)	1:194:A:ILE:HB	1:222:A:LEU:HD23	6	0.7
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	4	0.7
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	8	0.7
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	8	0.7
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	8	0.7
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	8	0.7
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	8	0.7
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	8	0.7
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	8	0.7
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	8	0.7
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	11	0.7
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	5	0.7
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	20	0.7
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	20	0.7
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	20	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	12	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	12	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	12	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	14	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	14	0.7
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	14	0.7
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	7	0.7
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	7	0.7
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	7	0.7
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	7	0.7
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	7	0.7
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	7	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	18	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	18	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	18	0.7
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	18	0.7
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	18	0.7
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	18	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	20	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	20	0.7
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	20	0.7
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	20	0.7
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	20	0.7
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	20	0.7
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	14	0.7
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	10	0.7
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	10	0.7
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	17	0.7
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	17	0.7
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	17	0.7
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	17	0.7
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	17	0.7
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	17	0.7
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	10	0.7
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	16	0.7
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	16	0.7
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	16	0.7
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	3	0.7
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	18	0.7
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	3	0.69
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	5	0.69
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	14	0.69
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	17	0.69
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	17	0.69
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	17	0.69
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	3	0.69
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	3	0.69
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	3	0.69
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	14	0.69
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	14	0.69
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	14	0.69
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	19	0.69
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	19	0.69
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	19	0.69
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	1	0.69
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	1	0.69
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	1	0.69
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	17	0.69
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	17	0.69
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	17	0.69
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD11	1	0.69
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD12	1	0.69
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD13	1	0.69
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	7	0.69
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	7	0.69
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	7	0.69
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	1	0.69
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	1	0.69
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	4	0.69
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	16	0.69
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	15	0.69
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	15	0.69
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	15	0.69
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	16	0.69
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	17	0.68
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	8	0.68
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	8	0.68
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	8	0.68
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	18	0.68
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	18	0.68
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	18	0.68
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	12	0.68
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	12	0.68
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	12	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	2	0.68
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	2	0.68
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	2	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	5	0.68
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	5	0.68
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	5	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	14	0.68
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	14	0.68
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	14	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	18	0.68
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	18	0.68
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	18	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	19	0.68
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	19	0.68
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	19	0.68
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	20	0.68
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	20	0.68
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	20	0.68
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	1	0.68
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	1	0.68
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	1	0.68
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	1	0.68
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	11	0.68
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	11	0.68
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	11	0.68
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	15	0.68
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	3	0.68
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	9	0.68
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	9	0.68
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	1	0.68
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	1	0.68
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	1	0.68
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	12	0.68
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	12	0.68
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	12	0.68
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	12	0.68
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	12	0.68
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	12	0.68
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	6	0.68
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	6	0.68
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	6	0.68
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	5	0.68
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	4	0.68
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	7	0.68
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	3	0.68
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	11	0.68
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	11	0.68
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	11	0.68
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	1	0.68
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	10	0.68
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	14	0.68
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	11	0.67
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	11	0.67
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	11	0.67
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	4	0.67
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	4	0.67
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	4	0.67
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	6	0.67
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	6	0.67
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	6	0.67
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	7	0.67
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	7	0.67
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	7	0.67
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	10	0.67
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	10	0.67
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	10	0.67
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	12	0.67
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	12	0.67
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	12	0.67
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	16	0.67
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	16	0.67
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	16	0.67
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	4	0.67
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	4	0.67
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	4	0.67
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	4	0.67
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	4	0.67
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	17	0.67
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	17	0.67
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	17	0.67
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	17	0.67
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	17	0.67
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	17	0.67
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE1	19	0.67
(1,1924)	1:172:A:LYS:HG2	1:197:A:PHE:HE2	19	0.67
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	17	0.67
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	18	0.67
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	18	0.67
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	20	0.67
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	20	0.67
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	15	0.67
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	15	0.67
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	15	0.67
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	15	0.67
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	15	0.67
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	15	0.67
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	15	0.67
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	15	0.67
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	15	0.67
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	3	0.67
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	20	0.67
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	18	0.67
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	18	0.67
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	16	0.67
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	16	0.67
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	16	0.67
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	19	0.67
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	10	0.67
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	10	0.67
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	10	0.67
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	17	0.67
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	17	0.67
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	17	0.67
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	11	0.67
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	9	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	9	0.67
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	5	0.67
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	5	0.67
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	5	0.67
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	18	0.67
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	18	0.67
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	18	0.67
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	10	0.67
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	3	0.67
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	12	0.67
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	12	0.67
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	1	0.67
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	6	0.67
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	6	0.67
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	7	0.67
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	20	0.66
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	1	0.66
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	6	0.66
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	20	0.66
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	9	0.66
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	9	0.66
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	9	0.66
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	9	0.66
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	11	0.66
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	11	0.66
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	11	0.66
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	11	0.66
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	11	0.66
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	11	0.66
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	3	0.66
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	3	0.66
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	3	0.66
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	15	0.66
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	15	0.66
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	15	0.66
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	9	0.66
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	9	0.66
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	9	0.66
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	11	0.66
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	11	0.66
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	11	0.66
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	15	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	15	0.66
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	15	0.66
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	13	0.66
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	13	0.66
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	13	0.66
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	13	0.66
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	13	0.66
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	13	0.66
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	5	0.66
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	5	0.66
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	5	0.66
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	5	0.66
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	14	0.66
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	8	0.66
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	8	0.66
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	2	0.66
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	4	0.66
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	4	0.66
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	4	0.66
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	8	0.66
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	8	0.66
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	8	0.66
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	17	0.66
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	17	0.66
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	17	0.66
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	17	0.66
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	17	0.66
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	17	0.66
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	7	0.66
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	12	0.66
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	2	0.66
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	6	0.66
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	12	0.66
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	12	0.66
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	12	0.66
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	10	0.66
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	10	0.66
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	10	0.66
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	7	0.66
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	7	0.66
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	7	0.66
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	15	0.66
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	15	0.66
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	15	0.66
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	10	0.66
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	2	0.66
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	6	0.66
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	7	0.66
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	11	0.66
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	8	0.66
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	5	0.65
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	13	0.65
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	3	0.65
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	3	0.65
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	3	0.65
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	8	0.65
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	8	0.65
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	8	0.65
(1,2326)	1:220:A:LEU:HD11	1:220:A:LEU:HA	16	0.65
(1,2326)	1:220:A:LEU:HD12	1:220:A:LEU:HA	16	0.65
(1,2326)	1:220:A:LEU:HD13	1:220:A:LEU:HA	16	0.65
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	2	0.65
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	2	0.65
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	2	0.65
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	9	0.65
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	9	0.65
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	9	0.65
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	2	0.65
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	2	0.65
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	2	0.65
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	2	0.65
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	2	0.65
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	2	0.65
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	3	0.65
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	3	0.65
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	3	0.65
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	9	0.65
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	11	0.65
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	19	0.65
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	5	0.65
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	5	0.65
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	15	0.65
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	10	0.65
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	10	0.65
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	17	0.65
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	17	0.65
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	17	0.65
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	6	0.65
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	6	0.65
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	15	0.65
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	15	0.65
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	3	0.65
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	3	0.65
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	3	0.65
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	1	0.65
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	19	0.65
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	19	0.65
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	19	0.65
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	19	0.65
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	19	0.65
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	19	0.65
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	1	0.65
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	13	0.65
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	10	0.65
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	10	0.65
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	20	0.65
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	20	0.65
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	20	0.65
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	18	0.65
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	2	0.65
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	2	0.65
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	2	0.65
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	8	0.65
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	1	0.64
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	5	0.64
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	5	0.64
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	5	0.64
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	20	0.64
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	20	0.64
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	20	0.64
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	9	0.64
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	18	0.64
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	18	0.64
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	9	0.64
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	9	0.64
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	9	0.64
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	10	0.64
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	10	0.64
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	10	0.64
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	5	0.64
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	8	0.64
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	20	0.64
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	1	0.64
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	1	0.64
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	1	0.64
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	1	0.64
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	1	0.64
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	1	0.64
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	1	0.64
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	1	0.64
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	1	0.64
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	11	0.64
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	11	0.64
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	11	0.64
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	11	0.64
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	11	0.64
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	11	0.64
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	11	0.64
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	11	0.64
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	11	0.64
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	13	0.64
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	16	0.64
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	19	0.64
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	3	0.64
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	3	0.64
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	3	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	3	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	3	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	3	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	5	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	5	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	5	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	10	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	10	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	10	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	15	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	15	0.64
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	15	0.64
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	4	0.64
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	4	0.64
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	4	0.64
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	4	0.64
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	4	0.64
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	4	0.64
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	16	0.64
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	16	0.64
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	16	0.64
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	16	0.64
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	16	0.64
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	16	0.64
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	11	0.64
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	12	0.64
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	13	0.64
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	7	0.64
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	7	0.64
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	7	0.64
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	20	0.64
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	20	0.64
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	20	0.64
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	4	0.64
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	4	0.64
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	4	0.64
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	15	0.64
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	8	0.64
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	20	0.64
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	20	0.64
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	20	0.64
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	11	0.64
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	3	0.64
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	19	0.64
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	19	0.64
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	19	0.64
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	15	0.64
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	5	0.63
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	5	0.63
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	15	0.63
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	15	0.63
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	15	0.63
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	15	0.63
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	15	0.63
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	10	0.63
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	10	0.63
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	10	0.63
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	12	0.63
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	12	0.63
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	12	0.63
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	12	0.63
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	13	0.63
(1,1514)	1:129:A:GLN:HA	1:129:A:GLN:HE22	11	0.63
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	14	0.63
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	14	0.63
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	17	0.63
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	17	0.63
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	11	0.63
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	11	0.63
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	11	0.63
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	7	0.63
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	7	0.63
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	7	0.63
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	10	0.63
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	10	0.63
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	10	0.63
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG21	16	0.63
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG22	16	0.63
(1,1255)	1:93:A:GLY:HA2	1:113:A:ILE:HG23	16	0.63
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	20	0.63
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	20	0.63
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	20	0.63
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	12	0.63
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	12	0.63
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	12	0.63
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	8	0.63
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	18	0.63
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	12	0.63
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	4	0.63
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	3	0.63
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	2	0.62
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	6	0.62
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	6	0.62
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	7	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	3	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	3	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	3	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	13	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	13	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	13	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	15	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	15	0.62
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	15	0.62
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	16	0.62
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	6	0.62
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	6	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	7	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	7	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	7	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	19	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	19	0.62
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	19	0.62
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	4	0.62
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	13	0.62
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	10	0.62
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	10	0.62
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	10	0.62
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	10	0.62
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	10	0.62
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	10	0.62
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	12	0.62
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	12	0.62
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	12	0.62
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	4	0.62
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	7	0.62
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	19	0.62
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	19	0.62
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	12	0.62
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	12	0.62
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	12	0.62
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	5	0.62
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	5	0.62
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	8	0.62
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	8	0.62
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	8	0.62
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	3	0.62
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	10	0.62
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	7	0.62
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	9	0.62
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	9	0.62
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	15	0.62
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	13	0.62
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	2	0.62
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	3	0.61
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	14	0.61
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	15	0.61
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	15	0.61
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	15	0.61
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	15	0.61
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	10	0.61
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	10	0.61
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	10	0.61
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	19	0.61
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	19	0.61
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	19	0.61
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	8	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	11	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	11	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	11	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	17	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	17	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	17	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	19	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	19	0.61
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	19	0.61
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	10	0.61
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	10	0.61
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	10	0.61
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	10	0.61
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	20	0.61
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	20	0.61
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	20	0.61
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	4	0.61
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	4	0.61
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	19	0.61
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	10	0.61
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	8	0.61
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	9	0.61
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	10	0.61
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	12	0.61
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	12	0.61
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	12	0.61
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	5	0.61
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	5	0.61
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	13	0.61
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	13	0.61
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	13	0.61
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	3	0.61
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	3	0.61
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	3	0.61
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	18	0.61
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	20	0.61
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	7	0.61
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	7	0.61
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	7	0.61
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	7	0.61
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	7	0.61
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	7	0.61
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	15	0.61
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	15	0.61
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	15	0.61
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	15	0.61
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	15	0.61
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	15	0.61
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	20	0.61
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	20	0.61
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	20	0.61
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	20	0.61
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	20	0.61
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	20	0.61
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	18	0.61
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	16	0.61
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	16	0.61
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	17	0.61
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	11	0.61
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	4	0.61
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	4	0.61
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	4	0.61
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	18	0.61
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	18	0.61
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	18	0.61
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	13	0.61
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	1	0.61
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	1	0.61
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	16	0.61
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	9	0.6
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	9	0.6
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	19	0.6
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	12	0.6
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	12	0.6
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	12	0.6
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	12	0.6
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	12	0.6
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	12	0.6
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	12	0.6
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	12	0.6
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	12	0.6
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	13	0.6
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	7	0.6
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	14	0.6
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	14	0.6
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	14	0.6
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	14	0.6
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	14	0.6
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	14	0.6
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	14	0.6
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	14	0.6
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	14	0.6
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	19	0.6
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	19	0.6
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	2	0.6
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	2	0.6
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	2	0.6
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	7	0.6
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	7	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	1	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	1	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	1	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	9	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	9	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	9	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	20	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	20	0.6
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	20	0.6
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	18	0.6
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	18	0.6
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	18	0.6
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	19	0.6
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	19	0.6
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	19	0.6
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	9	0.6
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	9	0.6
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	9	0.6
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	11	0.6
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	19	0.6
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	20	0.6
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	2	0.6
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	2	0.6
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	17	0.6
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	19	0.6
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	19	0.6
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	19	0.6
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	17	0.6
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	6	0.6
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	6	0.6
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	6	0.6
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	19	0.6
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	20	0.6
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	20	0.6
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	20	0.6
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	11	0.6
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	11	0.6
(1,109)	1:20:A:PHE:H	1:21:A:PRO:HD3	2	0.6
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	8	0.6
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	8	0.6
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	8	0.6
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	13	0.6
(2,156)	1:228:A:GLN:H	1:225:A:GLU:O	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	5	0.59
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	2	0.59
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	2	0.59
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	2	0.59
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	10	0.59
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	12	0.59
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	15	0.59
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	15	0.59
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	15	0.59
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	15	0.59
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	6	0.59
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	6	0.59
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	6	0.59
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	12	0.59
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	12	0.59
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	12	0.59
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	19	0.59
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	19	0.59
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	19	0.59
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	19	0.59
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	19	0.59
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	19	0.59
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	8	0.59
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	20	0.59
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	15	0.59
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	15	0.59
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	6	0.59
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	4	0.59
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	4	0.59
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	4	0.59
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	6	0.59
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	6	0.59
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	6	0.59
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	18	0.59
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	18	0.59
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	18	0.59
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	3	0.59
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	3	0.59
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	3	0.59
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	8	0.59
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	1	0.59
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	1	0.59
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	1	0.59
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	1	0.59
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	1	0.59
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	13	0.59
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	13	0.59
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	13	0.59
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	13	0.59
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	13	0.59
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	13	0.59
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	15	0.59
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	9	0.59
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	14	0.59
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	10	0.59
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	10	0.59
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	19	0.59
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	19	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	9	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	9	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	9	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	10	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	10	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	10	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	17	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	17	0.59
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	17	0.59
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	6	0.59
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	9	0.59
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	9	0.59
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	9	0.59
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	12	0.59
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	11	0.59
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	9	0.59
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	9	0.59
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	8	0.59
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	3	0.58
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	18	0.58
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	3	0.58
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	13	0.58
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	2	0.58
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	2	0.58
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	1	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	1	0.58
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	1	0.58
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	7	0.58
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	7	0.58
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	7	0.58
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	13	0.58
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	13	0.58
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	13	0.58
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	13	0.58
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	13	0.58
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	6	0.58
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	3	0.58
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	3	0.58
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	3	0.58
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	3	0.58
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	3	0.58
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	3	0.58
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	3	0.58
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	3	0.58
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	3	0.58
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	9	0.58
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	15	0.58
(1,1569)	1:131:A:TRP:HE1	1:135:A:GLN:HE22	10	0.58
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	20	0.58
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	20	0.58
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	20	0.58
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	20	0.58
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	20	0.58
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	20	0.58
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	16	0.58
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	6	0.58
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	12	0.58
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	3	0.58
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	3	0.58
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	8	0.58
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	8	0.58
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	8	0.58
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	8	0.58
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	8	0.58
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	8	0.58
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	9	0.58
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	1	0.58
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	2	0.58
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	17	0.58
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	1	0.58
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	6	0.58
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	11	0.58
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	11	0.58
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	11	0.58
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	1	0.58
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	1	0.58
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	1	0.58
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	11	0.58
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	11	0.58
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	13	0.58
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	7	0.58
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	19	0.58
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	19	0.58
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	15	0.58
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	17	0.57
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	4	0.57
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	4	0.57
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	4	0.57
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	20	0.57
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	20	0.57
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	20	0.57
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	20	0.57
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	10	0.57
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	19	0.57
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	14	0.57
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	19	0.57
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	14	0.57
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	5	0.57
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	1	0.57
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	1	0.57
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	14	0.57
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	6	0.57
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	6	0.57
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	6	0.57
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	18	0.57
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	18	0.57
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	18	0.57
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	14	0.57
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	14	0.57
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	20	0.57
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	20	0.57
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	20	0.57
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	20	0.57
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	20	0.57
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	20	0.57
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	8	0.57
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	8	0.57
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	8	0.57
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	5	0.57
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	19	0.57
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	15	0.57
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	18	0.57
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	15	0.57
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	7	0.57
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	7	0.57
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	14	0.57
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	9	0.57
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	9	0.57
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	9	0.57
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	3	0.57
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	3	0.57
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	3	0.57
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	5	0.57
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	5	0.57
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	5	0.57
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	18	0.57
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	18	0.57
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	18	0.57
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	4	0.57
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	9	0.57
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	9	0.57
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	9	0.57
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	9	0.57
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	19	0.57
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	5	0.56
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	4	0.56
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	4	0.56
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	4	0.56
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	8	0.56
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	8	0.56
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	16	0.56
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	16	0.56
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	16	0.56
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	13	0.56
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	13	0.56
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	13	0.56
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	13	0.56
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	18	0.56
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	18	0.56
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	18	0.56
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	18	0.56
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	18	0.56
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	18	0.56
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	18	0.56
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	9	0.56
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	9	0.56
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	9	0.56
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	9	0.56
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	9	0.56
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	9	0.56
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	9	0.56
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	9	0.56
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	9	0.56
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	18	0.56
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	16	0.56
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	4	0.56
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	7	0.56
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	13	0.56
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	19	0.56
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	19	0.56
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	17	0.56
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	17	0.56
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	17	0.56
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	11	0.56
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	13	0.56
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	13	0.56
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	13	0.56
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	17	0.56
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	17	0.56
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	4	0.56
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	8	0.56
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	3	0.56
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	16	0.56
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	9	0.56
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	9	0.56
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	8	0.56
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	18	0.56
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	8	0.56
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	8	0.56
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	8	0.56
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	19	0.56
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	19	0.56
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	19	0.56
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	19	0.56
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	19	0.56
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	19	0.56
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	7	0.56
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	7	0.56
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	2	0.56
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	14	0.56
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	1	0.56
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	12	0.55
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	7	0.55
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	16	0.55
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	13	0.55
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	13	0.55
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	13	0.55
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	5	0.55
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	5	0.55
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	5	0.55
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	19	0.55
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	13	0.55
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	13	0.55
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	13	0.55
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	4	0.55
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	4	0.55
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	4	0.55
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	4	0.55
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	4	0.55
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	4	0.55
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	13	0.55
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	13	0.55
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	4	0.55
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	17	0.55
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	14	0.55
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	14	0.55
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	18	0.55
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	18	0.55
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	16	0.55
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	16	0.55
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	16	0.55
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	2	0.55
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	11	0.55
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	19	0.55
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	18	0.55
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	18	0.55
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	18	0.55
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	18	0.55
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	18	0.55
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	18	0.55
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	19	0.55
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	19	0.55
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	19	0.55
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	19	0.55
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	19	0.55
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	19	0.55
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	2	0.55
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	2	0.55
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	2	0.55
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	17	0.55
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	17	0.55
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	17	0.55
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	8	0.55
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	8	0.55
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	8	0.55
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	8	0.55
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	8	0.55
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	8	0.55
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	15	0.55
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	15	0.55
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	11	0.55
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	7	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	9	0.55
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	10	0.55
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	10	0.55
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	10	0.55
(1,53)	1:12:A:LEU:HB3	1:14:A:LEU:H	8	0.55
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	14	0.55
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	20	0.55
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	11	0.55
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	14	0.54
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	20	0.54
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	7	0.54
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	4	0.54
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	4	0.54
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	4	0.54
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	14	0.54
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	10	0.54
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	10	0.54
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	10	0.54
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	19	0.54
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	19	0.54
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	19	0.54
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	10	0.54
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	10	0.54
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	5	0.54
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	5	0.54
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	5	0.54
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	5	0.54
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	5	0.54
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	5	0.54
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	5	0.54
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	5	0.54
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	5	0.54
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	15	0.54
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	15	0.54
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	15	0.54
(1,1553)	1:132:A:ILE:HD11	1:132:A:ILE:H	4	0.54
(1,1553)	1:132:A:ILE:HD12	1:132:A:ILE:H	4	0.54
(1,1553)	1:132:A:ILE:HD13	1:132:A:ILE:H	4	0.54
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	11	0.54
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	3	0.54
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	6	0.54
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	6	0.54
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	6	0.54
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	6	0.54
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	6	0.54
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	6	0.54
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	6	0.54
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	6	0.54
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	13	0.54
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	13	0.54
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	13	0.54
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	13	0.54
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	16	0.54
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	16	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	2	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	2	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	2	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	5	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	5	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	5	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	13	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	13	0.54
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	13	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	1	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	3	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	4	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	6	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	7	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	8	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	9	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	10	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	16	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	17	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	18	0.54
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	20	0.54
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	10	0.54
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	10	0.54
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	10	0.54
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	10	0.54
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	10	0.54
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	10	0.54
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	14	0.54
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	14	0.54
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	14	0.54
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	14	0.54
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	14	0.54
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	11	0.54
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	11	0.54
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	11	0.54
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	16	0.54
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	16	0.54
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	16	0.54
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	6	0.54
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	15	0.54
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	15	0.54
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	15	0.54
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	8	0.54
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	8	0.54
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	8	0.54
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	15	0.54
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	15	0.54
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	15	0.54
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	15	0.54
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	15	0.54
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	15	0.54
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	6	0.54
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	20	0.54
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	3	0.54
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	2	0.54
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	4	0.54
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	4	0.54
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	16	0.54
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	16	0.54
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	1	0.54
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	16	0.54
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	13	0.54
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	10	0.53
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	13	0.53
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	3	0.53
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	6	0.53
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	18	0.53
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD21	11	0.53
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD22	11	0.53
(1,2415)	1:225:A:GLU:HG3	1:222:A:LEU:HD23	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	12	0.53
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	12	0.53
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	12	0.53
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	14	0.53
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	14	0.53
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	14	0.53
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	14	0.53
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	13	0.53
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	3	0.53
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	16	0.53
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	16	0.53
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	16	0.53
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	16	0.53
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	16	0.53
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	16	0.53
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	16	0.53
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	16	0.53
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	16	0.53
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	1	0.53
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	1	0.53
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	14	0.53
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	14	0.53
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	14	0.53
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	12	0.53
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	13	0.53
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	14	0.53
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	15	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	1	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	1	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	1	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	1	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	1	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	1	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	2	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	2	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	2	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	2	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	2	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	2	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	3	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	3	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	3	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	3	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	3	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	9	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	9	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	9	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	9	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	9	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	9	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	11	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	11	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	11	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	11	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	11	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	11	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	16	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	16	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	16	0.53
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	16	0.53
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	16	0.53
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	16	0.53
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	17	0.53
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD21	7	0.53
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD22	7	0.53
(1,484)	1:74:A:ASP:H	1:48:A:LEU:HD23	7	0.53
(1,470)	1:48:A:LEU:H	1:48:A:LEU:HG	8	0.53
(1,430)	1:44:A:GLN:H	1:46:A:GLU:HG3	17	0.53
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	15	0.53
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	15	0.53
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	15	0.53
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	15	0.53
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	1	0.53
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	16	0.53
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	16	0.53
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	16	0.53
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	2	0.53
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	2	0.53
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	2	0.53
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	3	0.53
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	3	0.53
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	3	0.53
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	6	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	6	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	6	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	7	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	7	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	7	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	17	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	17	0.53
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	17	0.53
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	20	0.53
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	5	0.53
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	10	0.53
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	11	0.53
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	1	0.52
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	10	0.52
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	17	0.52
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	9	0.52
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	9	0.52
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	1	0.52
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	10	0.52
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	11	0.52
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD21	2	0.52
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD22	2	0.52
(1,2343)	1:145:A:TRP:HZ2	1:222:A:LEU:HD23	2	0.52
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	6	0.52
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	6	0.52
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	6	0.52
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	6	0.52
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	6	0.52
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	6	0.52
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	20	0.52
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	20	0.52
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	20	0.52
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	20	0.52
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	20	0.52
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	20	0.52
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	20	0.52
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	20	0.52
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	20	0.52
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	20	0.52
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	20	0.52
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	7	0.52
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	10	0.52
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	11	0.52
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	20	0.52
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	20	0.52
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	17	0.52
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	18	0.52
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	18	0.52
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	18	0.52
(1,1140)	1:100:A:GLN:HE22	1:100:A:GLN:HG3	5	0.52
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	13	0.52
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	13	0.52
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	13	0.52
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	13	0.52
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	13	0.52
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	13	0.52
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	15	0.52
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	15	0.52
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	15	0.52
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	15	0.52
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	15	0.52
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	15	0.52
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	4	0.52
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	4	0.52
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	4	0.52
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	16	0.52
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	16	0.52
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	16	0.52
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG21	8	0.52
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG22	8	0.52
(1,881)	1:41:A:PHE:HD1	1:80:A:ILE:HG23	8	0.52
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG21	8	0.52
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG22	8	0.52
(1,881)	1:41:A:PHE:HD2	1:80:A:ILE:HG23	8	0.52
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	9	0.52
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	13	0.52
(1,490)	1:47:A:LYS:HE3	1:49:A:SER:H	1	0.52
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	17	0.52
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	17	0.52
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	17	0.52
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	17	0.52
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	6	0.52
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	6	0.52
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	6	0.52
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	6	0.52
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	6	0.52
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	18	0.52
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	6	0.52
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	12	0.52
(2,158)	1:229:A:ASP:H	1:226:A:ALA:O	10	0.51
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	18	0.51
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	20	0.51
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	4	0.51
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	12	0.51
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	4	0.51
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	4	0.51
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	4	0.51
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	4	0.51
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	4	0.51
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	4	0.51
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	8	0.51
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	8	0.51
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	8	0.51
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	15	0.51
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	15	0.51
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	15	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	5	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	5	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	5	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	6	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	6	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	6	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	14	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	14	0.51
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	14	0.51
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	19	0.51
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	19	0.51
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	19	0.51
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	19	0.51
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	19	0.51
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	19	0.51
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	19	0.51
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	14	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	14	0.51
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	14	0.51
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	14	0.51
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	14	0.51
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	14	0.51
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	14	0.51
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	14	0.51
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	14	0.51
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	6	0.51
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	6	0.51
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	6	0.51
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	7	0.51
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	10	0.51
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	15	0.51
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	17	0.51
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	17	0.51
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	17	0.51
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	17	0.51
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	17	0.51
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	17	0.51
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	7	0.51
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	7	0.51
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	17	0.51
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	17	0.51
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	12	0.51
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	12	0.51
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	20	0.51
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	20	0.51
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	6	0.51
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	6	0.51
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	6	0.51
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	4	0.51
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	4	0.51
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	4	0.51
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	4	0.51
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	4	0.51
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	4	0.51
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	17	0.51
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	17	0.51
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	17	0.51
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	17	0.51
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	17	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	17	0.51
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	9	0.51
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	9	0.51
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	9	0.51
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	14	0.51
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	14	0.51
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	14	0.51
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	7	0.51
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	7	0.51
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	7	0.51
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	12	0.51
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	12	0.51
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	12	0.51
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	18	0.51
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	4	0.51
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	12	0.51
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	1	0.51
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	1	0.51
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	1	0.51
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	15	0.51
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	16	0.51
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	7	0.51
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	10	0.51
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	5	0.51
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	5	0.51
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	3	0.51
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	12	0.51
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	15	0.51
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	18	0.5
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	1	0.5
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	11	0.5
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	13	0.5
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	13	0.5
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	13	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	11	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	11	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	11	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	17	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	17	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	17	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	18	0.5
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	18	0.5
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	10	0.5
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	10	0.5
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	10	0.5
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	10	0.5
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	10	0.5
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	10	0.5
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	17	0.5
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	19	0.5
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	19	0.5
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	6	0.5
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	6	0.5
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	6	0.5
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	6	0.5
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	5	0.5
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	5	0.5
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	5	0.5
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	1	0.5
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	1	0.5
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	1	0.5
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	5	0.5
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	15	0.5
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	19	0.5
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	5	0.5
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	5	0.5
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	5	0.5
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	11	0.5
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	11	0.5
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	11	0.5
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	11	0.5
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	11	0.5
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	11	0.5
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	11	0.5
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	11	0.5
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	11	0.5
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	16	0.5
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	16	0.5
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	9	0.5
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	13	0.5
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	2	0.5
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	2	0.5
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	2	0.5
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	2	0.5
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	2	0.5
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	2	0.5
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	2	0.5
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	2	0.5
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	10	0.5
(1,1377)	1:119:A:LYS:HD3	1:119:A:LYS:H	7	0.5
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	11	0.5
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	11	0.5
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	20	0.5
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	20	0.5
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	20	0.5
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	9	0.5
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	9	0.5
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	11	0.5
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	11	0.5
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	11	0.5
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	11	0.5
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	11	0.5
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	1	0.5
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	1	0.5
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	1	0.5
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	1	0.5
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	1	0.5
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	1	0.5
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	19	0.5
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	17	0.5
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	10	0.5
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	10	0.5
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	11	0.5
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	11	0.5
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	8	0.5
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	8	0.5
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	15	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	3	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	3	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	3	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	17	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	17	0.5
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	17	0.5
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	4	0.5
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	4	0.5
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	4	0.5
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	4	0.5
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	8	0.5
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	8	0.5
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	3	0.5
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	4	0.5
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	8	0.5
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	4	0.5
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	7	0.5
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	7	0.5
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	4	0.49
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	6	0.49
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	8	0.49
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	11	0.49
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	17	0.49
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	8	0.49
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	8	0.49
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	15	0.49
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	1	0.49
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	1	0.49
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	1	0.49
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	1	0.49
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	1	0.49
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	1	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	2	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	2	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	2	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	12	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	12	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	12	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	14	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	14	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	14	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	16	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	16	0.49
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	16	0.49
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	4	0.49
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	4	0.49
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	4	0.49
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	4	0.49
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	4	0.49
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD21	20	0.49
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD22	20	0.49
(1,2040)	1:194:A:ILE:H	1:193:A:LEU:HD23	20	0.49
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	4	0.49
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	4	0.49
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	4	0.49
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	3	0.49
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	4	0.49
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	11	0.49
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	11	0.49
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	11	0.49
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	11	0.49
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	4	0.49
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	7	0.49
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	5	0.49
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	5	0.49
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	5	0.49
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	4	0.49
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	8	0.49
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	6	0.49
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	1	0.49
(1,1522)	1:129:A:GLN:H	1:129:A:GLN:HG2	8	0.49
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	14	0.49
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	14	0.49
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	9	0.49
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	18	0.49
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	16	0.49
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	16	0.49
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	10	0.49
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	10	0.49
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	4	0.49
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	4	0.49
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	4	0.49
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	12	0.49
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	12	0.49
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	12	0.49
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	12	0.49
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	12	0.49
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	12	0.49
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	1	0.49
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	1	0.49
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	17	0.49
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	3	0.49
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	7	0.49
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	7	0.49
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	7	0.49
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	12	0.49
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	20	0.49
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	5	0.49
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	4	0.49
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	4	0.49
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	4	0.49
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	12	0.49
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	12	0.49
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	12	0.49
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	12	0.49
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	12	0.49
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	12	0.49
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	12	0.49
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	12	0.49
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	12	0.49
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	8	0.49
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	9	0.49
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	19	0.49
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	19	0.49
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	19	0.49
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	13	0.49
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	15	0.49
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	10	0.49
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	10	0.49
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	10	0.49
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	10	0.49
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	5	0.49
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	17	0.49
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	18	0.48
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	11	0.48
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	18	0.48
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	19	0.48
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	15	0.48
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	18	0.48
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	20	0.48
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	14	0.48
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	14	0.48
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	14	0.48
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	14	0.48
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	14	0.48
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	14	0.48
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	18	0.48
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	18	0.48
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	18	0.48
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	18	0.48
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	18	0.48
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	18	0.48
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	1	0.48
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	15	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	5	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	5	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	5	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	6	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	6	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	6	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	7	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	7	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	7	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	9	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	9	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	9	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	20	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	20	0.48
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	20	0.48
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	15	0.48
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	9	0.48
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	9	0.48
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	9	0.48
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	9	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	9	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	9	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	9	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	10	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	10	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	10	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	15	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	15	0.48
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	15	0.48
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	8	0.48
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	3	0.48
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	4	0.48
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	4	0.48
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	4	0.48
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	14	0.48
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	14	0.48
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	14	0.48
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG11	1	0.48
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG12	1	0.48
(1,1745)	1:145:A:TRP:HB3	1:153:A:VAL:HG13	1	0.48
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	14	0.48
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	13	0.48
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	17	0.48
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	1	0.48
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	1	0.48
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	1	0.48
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	17	0.48
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	17	0.48
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	18	0.48
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	5	0.48
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	7	0.48
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	7	0.48
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	7	0.48
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	7	0.48
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	7	0.48
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	7	0.48
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	7	0.48
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	7	0.48
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	7	0.48
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	10	0.48
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	10	0.48
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	6	0.48
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	6	0.48
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	6	0.48
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	2	0.48
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	2	0.48
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	4	0.48
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	4	0.48
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	6	0.48
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	6	0.48
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	6	0.48
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	6	0.48
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	6	0.48
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	7	0.48
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	7	0.48
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	7	0.48
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	7	0.48
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	7	0.48
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	7	0.48
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	10	0.48
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	10	0.48
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	10	0.48
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	19	0.48
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	19	0.48
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	19	0.48
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	16	0.48
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	16	0.48
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	16	0.48
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	5	0.48
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	5	0.48
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	5	0.48
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	12	0.48
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	12	0.48
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	12	0.48
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	9	0.48
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	15	0.48
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	15	0.48
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	15	0.48
(1,653)	1:62:A:GLU:H	1:61:A:LYS:HD3	10	0.48
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	14	0.48
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	14	0.48
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	8	0.48
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	8	0.48
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	2	0.48
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	15	0.48
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	15	0.48
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	15	0.48
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	19	0.48
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	19	0.48
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	1	0.48
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	1	0.48
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	1	0.48
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	1	0.48
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	1	0.48
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	1	0.48
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	1	0.48
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	1	0.48
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	1	0.48
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	15	0.48
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	15	0.48
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	15	0.48
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	15	0.48
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	15	0.48
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	15	0.48
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	15	0.48
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	15	0.48
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	15	0.48
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	16	0.48
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	16	0.48
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	14	0.48
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	19	0.48
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	12	0.48
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	8	0.48
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	8	0.48
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	11	0.48
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	11	0.48
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	2	0.47
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	19	0.47
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	19	0.47
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	5	0.47
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	5	0.47
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	13	0.47
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	8	0.47
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	8	0.47
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	14	0.47
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD21	1	0.47
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD22	1	0.47
(1,2334)	1:221:A:LYS:H	1:220:A:LEU:HD23	1	0.47
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	1	0.47
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	1	0.47
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG21	3	0.47
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG22	3	0.47
(1,2084)	1:194:A:ILE:H	1:195:A:THR:HG23	3	0.47
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	11	0.47
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	11	0.47
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	11	0.47
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	11	0.47
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	11	0.47
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	11	0.47
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	5	0.47
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	5	0.47
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	11	0.47
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	11	0.47
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	16	0.47
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	16	0.47
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	16	0.47
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	16	0.47
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	2	0.47
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	2	0.47
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	2	0.47
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	5	0.47
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	5	0.47
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	5	0.47
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	8	0.47
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	10	0.47
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	12	0.47
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	16	0.47
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	13	0.47
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	13	0.47
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	13	0.47
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	20	0.47
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	20	0.47
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	20	0.47
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	20	0.47
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	20	0.47
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	20	0.47
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	20	0.47
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	20	0.47
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	20	0.47
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	4	0.47
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	16	0.47
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	19	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	20	0.47
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA2	13	0.47
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA3	13	0.47
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	1	0.47
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	1	0.47
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	10	0.47
(1,1543)	1:132:A:ILE:HD11	1:131:A:TRP:HZ3	19	0.47
(1,1543)	1:132:A:ILE:HD12	1:131:A:TRP:HZ3	19	0.47
(1,1543)	1:132:A:ILE:HD13	1:131:A:TRP:HZ3	19	0.47
(1,1517)	1:129:A:GLN:HE22	1:129:A:GLN:HB2	10	0.47
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	3	0.47
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	7	0.47
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	16	0.47
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB2	5	0.47
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB2	5	0.47
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB2	5	0.47
(1,1121)	1:99:A:ILE:HG21	1:100:A:GLN:HB3	5	0.47
(1,1121)	1:99:A:ILE:HG22	1:100:A:GLN:HB3	5	0.47
(1,1121)	1:99:A:ILE:HG23	1:100:A:GLN:HB3	5	0.47
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	20	0.47
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	20	0.47
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	20	0.47
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	12	0.47
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	12	0.47
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	12	0.47
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	8	0.47
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	8	0.47
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	8	0.47
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	11	0.47
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	11	0.47
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	8	0.47
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	8	0.47
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	16	0.47
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	16	0.47
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	11	0.47
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	18	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	8	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	8	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	8	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	13	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	13	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	20	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	20	0.47
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	20	0.47
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	13	0.47
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	13	0.47
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	13	0.47
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	13	0.47
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	13	0.47
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	13	0.47
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	13	0.47
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	13	0.47
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	13	0.47
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	14	0.47
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	14	0.47
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	14	0.47
(1,109)	1:20:A:PHE:H	1:21:A:PRO:HD3	3	0.47
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	4	0.47
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	12	0.47
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	12	0.47
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	18	0.47
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	18	0.47
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	9	0.47
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	4	0.47
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	4	0.47
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	6	0.47
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	16	0.46
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	7	0.46
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	2	0.46
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	12	0.46
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	6	0.46
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	9	0.46
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	14	0.46
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	2	0.46
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	8	0.46
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	10	0.46
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	19	0.46
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	4	0.46
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	8	0.46
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	14	0.46
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	19	0.46
(1,2341)	1:222:A:LEU:HD11	1:145:A:TRP:HB2	1	0.46
(1,2341)	1:222:A:LEU:HD12	1:145:A:TRP:HB2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2341)	1:222:A:LEU:HD13	1:145:A:TRP:HB2	1	0.46
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	9	0.46
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	9	0.46
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	9	0.46
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	16	0.46
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	16	0.46
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	16	0.46
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	16	0.46
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	16	0.46
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	16	0.46
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	15	0.46
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	15	0.46
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	15	0.46
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	16	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	7	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	7	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	7	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	14	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	14	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	14	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	17	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	17	0.46
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	17	0.46
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	9	0.46
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	9	0.46
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	9	0.46
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	15	0.46
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	15	0.46
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	15	0.46
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	15	0.46
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	15	0.46
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	15	0.46
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	15	0.46
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	15	0.46
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	15	0.46
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	9	0.46
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	17	0.46
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	6	0.46
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	6	0.46
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	6	0.46
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	17	0.46
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	17	0.46
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	17	0.46
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	17	0.46
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	17	0.46
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	17	0.46
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	17	0.46
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	17	0.46
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	19	0.46
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	19	0.46
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	19	0.46
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	12	0.46
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	12	0.46
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	12	0.46
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	12	0.46
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	12	0.46
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	12	0.46
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	12	0.46
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	10	0.46
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	10	0.46
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	10	0.46
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	8	0.46
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	4	0.46
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	4	0.46
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	17	0.46
(1,1338)	1:117:A:TYR:H	1:118:A:LYS:HD2	18	0.46
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB3	1	0.46
(1,1294)	1:114:A:GLY:HA2	1:119:A:LYS:HB2	1	0.46
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD11	8	0.46
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD12	8	0.46
(1,1290)	1:114:A:GLY:H	1:113:A:ILE:HD13	8	0.46
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	15	0.46
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	15	0.46
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	15	0.46
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	18	0.46
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	18	0.46
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	18	0.46
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	10	0.46
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	10	0.46
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	10	0.46
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	20	0.46
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	12	0.46
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	12	0.46
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	2	0.46
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	7	0.46
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	13	0.46
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	15	0.46
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	18	0.46
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	18	0.46
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	7	0.46
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	5	0.46
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	5	0.46
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	5	0.46
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	1	0.46
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	1	0.46
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	1	0.46
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	12	0.46
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	12	0.46
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	12	0.46
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	4	0.46
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	4	0.46
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	4	0.46
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	20	0.46
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	20	0.46
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	20	0.46
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	20	0.46
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	20	0.46
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	20	0.46
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	20	0.46
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	20	0.46
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	20	0.46
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	13	0.46
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	13	0.46
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	13	0.46
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	2	0.46
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	2	0.46
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	2	0.46
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	13	0.46
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	13	0.46
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	13	0.46
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	4	0.46
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	1	0.46
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	6	0.46
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	2	0.46
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	2	0.46
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	13	0.46
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	13	0.46
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	18	0.46
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	7	0.45
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	12	0.45
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	19	0.45
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	4	0.45
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	12	0.45
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	14	0.45
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	16	0.45
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	16	0.45
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	11	0.45
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	10	0.45
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	10	0.45
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	10	0.45
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	10	0.45
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	5	0.45
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	13	0.45
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	13	0.45
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	13	0.45
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	13	0.45
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	13	0.45
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	13	0.45
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	5	0.45
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	14	0.45
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	14	0.45
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	14	0.45
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	14	0.45
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	14	0.45
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	14	0.45
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	10	0.45
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	13	0.45
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	20	0.45
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	3	0.45
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	3	0.45
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	3	0.45
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	12	0.45
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	12	0.45
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	12	0.45
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	6	0.45
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	6	0.45
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	2	0.45
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	1	0.45
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	2	0.45
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	11	0.45
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	18	0.45
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	8	0.45
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	8	0.45
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	8	0.45
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	8	0.45
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	8	0.45
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	8	0.45
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	8	0.45
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	8	0.45
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	8	0.45
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	13	0.45
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	7	0.45
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	7	0.45
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	7	0.45
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	12	0.45
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	12	0.45
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	12	0.45
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	2	0.45
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	3	0.45
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	5	0.45
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	10	0.45
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	2	0.45
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	15	0.45
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	13	0.45
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	13	0.45
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	13	0.45
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	13	0.45
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	13	0.45
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	13	0.45
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	13	0.45
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	13	0.45
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	13	0.45
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	16	0.45
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	16	0.45
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	16	0.45
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	1	0.45
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	1	0.45
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	1	0.45
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	1	0.45
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	1	0.45
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	19	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	6	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	6	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	6	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	11	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	11	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	11	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	17	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	17	0.45
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	17	0.45
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	2	0.45
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	2	0.45
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	2	0.45
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	2	0.45
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	2	0.45
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	2	0.45
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	3	0.45
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	4	0.45
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	8	0.45
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	12	0.45
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	14	0.45
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	18	0.45
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG21	7	0.45
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG22	7	0.45
(1,550)	1:54:A:VAL:HG21	1:73:A:ILE:HG23	7	0.45
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG21	7	0.45
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG22	7	0.45
(1,550)	1:54:A:VAL:HG22	1:73:A:ILE:HG23	7	0.45
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG21	7	0.45
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG22	7	0.45
(1,550)	1:54:A:VAL:HG23	1:73:A:ILE:HG23	7	0.45
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	17	0.45
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	6	0.45
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	6	0.45
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	9	0.45
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	9	0.45
(1,323)	1:35:A:GLU:H	1:35:A:GLU:HG3	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	3	0.45
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	3	0.45
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	3	0.45
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	7	0.45
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	7	0.45
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	7	0.45
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	10	0.45
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	10	0.45
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	10	0.45
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	10	0.45
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	10	0.45
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	10	0.45
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	10	0.45
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	10	0.45
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	10	0.45
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	20	0.45
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	20	0.45
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	20	0.45
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	20	0.45
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	8	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	7	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	7	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	7	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	9	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	9	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	9	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	12	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	12	0.45
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	12	0.45
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	14	0.45
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	14	0.45
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	14	0.45
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	9	0.45
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	9	0.45
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	19	0.45
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	1	0.45
(1,52)	1:14:A:LEU:H	1:12:A:LEU:HB2	16	0.45
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	13	0.45
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	15	0.45
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	6	0.45
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	13	0.44
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	1	0.44
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	12	0.44
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	2	0.44
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	4	0.44
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	1	0.44
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	6	0.44
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	20	0.44
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	5	0.44
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	13	0.44
(1,2422)	1:225:A:GLU:H	1:225:A:GLU:HG3	9	0.44
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	17	0.44
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	2	0.44
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	2	0.44
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	2	0.44
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	19	0.44
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	20	0.44
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	20	0.44
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	20	0.44
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	3	0.44
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	3	0.44
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	3	0.44
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	1	0.44
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	7	0.44
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	8	0.44
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	1	0.44
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	1	0.44
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	4	0.44
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	4	0.44
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	1	0.44
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	1	0.44
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	1	0.44
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	7	0.44
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	7	0.44
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	7	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	4	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	4	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	4	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	11	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	11	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	11	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	16	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	16	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	20	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	20	0.44
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	20	0.44
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	5	0.44
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	14	0.44
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	20	0.44
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	18	0.44
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	18	0.44
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	18	0.44
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	18	0.44
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	18	0.44
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	18	0.44
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	18	0.44
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	18	0.44
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	18	0.44
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	14	0.44
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	14	0.44
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	14	0.44
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	20	0.44
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	20	0.44
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	20	0.44
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	13	0.44
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	13	0.44
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	13	0.44
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	17	0.44
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	17	0.44
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	17	0.44
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	1	0.44
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	6	0.44
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	8	0.44
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	9	0.44
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	9	0.44
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	9	0.44
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	9	0.44
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	13	0.44
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	13	0.44
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	5	0.44
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	5	0.44
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	5	0.44
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	7	0.44
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	7	0.44
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	15	0.44
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	15	0.44
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	15	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	14	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	14	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	14	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	16	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	16	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	16	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	19	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	19	0.44
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	19	0.44
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	1	0.44
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	8	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	1	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	5	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	6	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	9	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	10	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	16	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	17	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	19	0.44
(1,722)	1:68:A:LYS:HA	1:68:A:LYS:HG3	20	0.44
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	13	0.44
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	14	0.44
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	14	0.44
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	12	0.44
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	12	0.44
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	12	0.44
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	5	0.44
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	5	0.44
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	5	0.44
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	5	0.44
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	5	0.44
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	5	0.44
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	5	0.44
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	5	0.44
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	5	0.44
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	6	0.44
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	15	0.44
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	11	0.44
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	11	0.44
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	15	0.44
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	15	0.44
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	15	0.44
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	19	0.44
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	19	0.44
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	19	0.44
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	19	0.44
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	4	0.44
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	10	0.44
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	13	0.44
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	13	0.44
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	13	0.44
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	20	0.44
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	20	0.44
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	20	0.44
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	17	0.44
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	5	0.44
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	1	0.43
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	5	0.43
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	6	0.43
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	13	0.43
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	2	0.43
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	8	0.43
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	15	0.43
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	1	0.43
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	7	0.43
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	10	0.43
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	16	0.43
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	7	0.43
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	7	0.43
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	7	0.43
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	9	0.43
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	9	0.43
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	9	0.43
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	3	0.43
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	3	0.43
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	13	0.43
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	10	0.43
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	1	0.43
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	8	0.43
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	15	0.43
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	15	0.43
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	15	0.43
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	15	0.43
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	7	0.43
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	7	0.43
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	17	0.43
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	11	0.43
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	11	0.43
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	11	0.43
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	11	0.43
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	11	0.43
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	11	0.43
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	12	0.43
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	12	0.43
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	12	0.43
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	12	0.43
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	12	0.43
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	12	0.43
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	17	0.43
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	17	0.43
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	17	0.43
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	17	0.43
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	17	0.43
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	17	0.43
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	4	0.43
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	4	0.43
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	4	0.43
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	4	0.43
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	4	0.43
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	4	0.43
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	8	0.43
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	6	0.43
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	12	0.43
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	16	0.43
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	16	0.43
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	2	0.43
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	2	0.43
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	2	0.43
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	2	0.43
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	6	0.43
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	6	0.43
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	8	0.43
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	8	0.43
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	8	0.43
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	6	0.43
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	14	0.43
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	14	0.43
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	14	0.43
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	13	0.43
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	13	0.43
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	13	0.43
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG21	1	0.43
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG22	1	0.43
(1,1750)	1:145:A:TRP:HB3	1:153:A:VAL:HG23	1	0.43
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	10	0.43
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	10	0.43
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	10	0.43
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	14	0.43
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	5	0.43
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	1	0.43
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	9	0.43
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	9	0.43
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	9	0.43
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	9	0.43
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	9	0.43
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	9	0.43
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	9	0.43
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	9	0.43
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	9	0.43
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD11	16	0.43
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD12	16	0.43
(1,1390)	1:31:A:VAL:HG11	1:120:A:LEU:HD13	16	0.43
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD11	16	0.43
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD12	16	0.43
(1,1390)	1:31:A:VAL:HG12	1:120:A:LEU:HD13	16	0.43
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD11	16	0.43
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD12	16	0.43
(1,1390)	1:31:A:VAL:HG13	1:120:A:LEU:HD13	16	0.43
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	2	0.43
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	2	0.43
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	4	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	6	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	6	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	6	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	14	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	14	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	14	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	19	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	19	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	19	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	20	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	20	0.43
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	20	0.43
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	4	0.43
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	4	0.43
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	4	0.43
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	17	0.43
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	8	0.43
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD11	7	0.43
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD12	7	0.43
(1,1059)	1:97:A:PHE:H	1:29:A:LEU:HD13	7	0.43
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	3	0.43
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	3	0.43
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	3	0.43
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	19	0.43
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	19	0.43
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	19	0.43
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	9	0.43
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	9	0.43
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	9	0.43
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	15	0.43
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	15	0.43
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	15	0.43
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	16	0.43
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	2	0.43
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	2	0.43
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	2	0.43
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	19	0.43
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	19	0.43
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	19	0.43
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	19	0.43
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	19	0.43
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	6	0.43
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	11	0.43
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	14	0.43
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	14	0.43
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	13	0.43
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	15	0.43
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	15	0.43
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	15	0.43
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	5	0.43
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	5	0.43
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	5	0.43
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	18	0.43
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	18	0.43
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	18	0.43
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	14	0.43
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	14	0.43
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	14	0.43
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	11	0.43
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	11	0.43
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	11	0.43
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	11	0.43
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	11	0.43
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	11	0.43
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	11	0.43
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	11	0.43
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	11	0.43
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	18	0.43
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	18	0.43
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	18	0.43
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	14	0.43
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	4	0.43
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	4	0.43
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	4	0.43
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	10	0.43
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	4	0.43
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	4	0.43
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	4	0.43
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	17	0.43
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	17	0.43
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	17	0.43
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	1	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	1	0.43
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	1	0.43
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG2	12	0.43
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG3	12	0.43
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG2	12	0.43
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG3	12	0.43
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	15	0.43
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	15	0.43
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	15	0.43
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	20	0.43
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	3	0.43
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	8	0.42
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	17	0.42
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	16	0.42
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	18	0.42
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	15	0.42
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	18	0.42
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	11	0.42
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	1	0.42
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	9	0.42
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	12	0.42
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	16	0.42
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	16	0.42
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	16	0.42
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	2	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	2	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	3	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	6	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	14	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	15	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	17	0.42
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	19	0.42
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	3	0.42
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	3	0.42
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	14	0.42
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	14	0.42
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	15	0.42
(1,2411)	1:199:A:LYS:H	1:225:A:GLU:HA	9	0.42
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	3	0.42
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	3	0.42
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	3	0.42
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	3	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	3	0.42
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	3	0.42
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	7	0.42
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	7	0.42
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	7	0.42
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	14	0.42
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	14	0.42
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	14	0.42
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	10	0.42
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	14	0.42
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	14	0.42
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	14	0.42
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	15	0.42
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	15	0.42
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	15	0.42
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	15	0.42
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	15	0.42
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	15	0.42
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	5	0.42
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	19	0.42
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	4	0.42
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	4	0.42
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	4	0.42
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	2	0.42
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	2	0.42
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	2	0.42
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	13	0.42
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	15	0.42
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	15	0.42
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	15	0.42
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	15	0.42
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	15	0.42
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	15	0.42
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	15	0.42
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	15	0.42
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	15	0.42
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	5	0.42
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	5	0.42
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	5	0.42
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	17	0.42
(1,1537)	1:131:A:TRP:H	1:131:A:TRP:HE3	10	0.42
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	13	0.42
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	13	0.42
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	5	0.42
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	5	0.42
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	5	0.42
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	6	0.42
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	9	0.42
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	9	0.42
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	9	0.42
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	6	0.42
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	6	0.42
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	6	0.42
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	3	0.42
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	19	0.42
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	19	0.42
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	19	0.42
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	7	0.42
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	7	0.42
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	7	0.42
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	6	0.42
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	6	0.42
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	6	0.42
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	2	0.42
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	2	0.42
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	2	0.42
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	9	0.42
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	9	0.42
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	9	0.42
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	9	0.42
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	9	0.42
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	9	0.42
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	4	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	3	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	3	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	3	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	10	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	10	0.42
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	10	0.42
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	3	0.42
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	14	0.42
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	2	0.42
(1,704)	1:66:A:GLY:HA2	1:69:A:TYR:H	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	12	0.42
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	12	0.42
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	12	0.42
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	12	0.42
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	12	0.42
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	12	0.42
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	15	0.42
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	3	0.42
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	3	0.42
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	3	0.42
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	16	0.42
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	16	0.42
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	16	0.42
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	20	0.42
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	20	0.42
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	20	0.42
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	10	0.42
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	20	0.42
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	11	0.42
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	2	0.42
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	2	0.42
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	2	0.42
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	11	0.42
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	11	0.42
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	11	0.42
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	14	0.42
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	14	0.42
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	14	0.42
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	2	0.42
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	2	0.42
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	2	0.42
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	13	0.42
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	5	0.42
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	5	0.42
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	5	0.42
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	5	0.42
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	1	0.42
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	1	0.42
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	1	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	9	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	9	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	10	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	10	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	10	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	11	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	11	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	11	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	12	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	12	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	12	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	13	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	13	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	13	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	14	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	14	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	14	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	18	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	18	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	18	0.42
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	19	0.42
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	19	0.42
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	19	0.42
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	20	0.42
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	1	0.42
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	1	0.42
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	1	0.42
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	18	0.42
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	18	0.42
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	18	0.42
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	11	0.42
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	8	0.42
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	8	0.42
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	12	0.42
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	12	0.42
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	2	0.42
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	2	0.42
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	12	0.41
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	16	0.41
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	3	0.41
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	17	0.41
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	3	0.41
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	11	0.41
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	11	0.41
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	10	0.41
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	12	0.41
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	16	0.41
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	18	0.41
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	20	0.41
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	18	0.41
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	18	0.41
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	18	0.41
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	18	0.41
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	19	0.41
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	19	0.41
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	6	0.41
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	17	0.41
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	17	0.41
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	17	0.41
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	2	0.41
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	12	0.41
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	16	0.41
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	8	0.41
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	8	0.41
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	8	0.41
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	8	0.41
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	8	0.41
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	8	0.41
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	11	0.41
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	18	0.41
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	3	0.41
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	3	0.41
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	8	0.41
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	8	0.41
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	8	0.41
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	8	0.41
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	12	0.41
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	12	0.41
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	12	0.41
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	12	0.41
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	2	0.41
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	2	0.41
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	2	0.41
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	16	0.41
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	16	0.41
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	18	0.41
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	18	0.41
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	18	0.41
(1,1814)	1:156:A:LYS:HA	1:191:A:THR:H	13	0.41
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	2	0.41
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	2	0.41
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	2	0.41
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	2	0.41
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	2	0.41
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	2	0.41
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	2	0.41
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	2	0.41
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	2	0.41
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	3	0.41
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	3	0.41
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	3	0.41
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	11	0.41
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	11	0.41
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	11	0.41
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	20	0.41
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	20	0.41
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	20	0.41
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	4	0.41
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	4	0.41
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	4	0.41
(1,1576)	1:135:A:GLN:H	1:132:A:ILE:HG12	2	0.41
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	8	0.41
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	8	0.41
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	8	0.41
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	16	0.41
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	15	0.41
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	6	0.41
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	11	0.41
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	4	0.41
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	4	0.41
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	4	0.41
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	9	0.41
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	16	0.41
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	13	0.41
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	13	0.41
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	20	0.41
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	6	0.41
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	19	0.41
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	19	0.41
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	19	0.41
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	16	0.41
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	16	0.41
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	16	0.41
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	16	0.41
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	16	0.41
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	16	0.41
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	19	0.41
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	19	0.41
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	19	0.41
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	19	0.41
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	19	0.41
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	19	0.41
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	7	0.41
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	3	0.41
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	12	0.41
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	12	0.41
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	12	0.41
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	11	0.41
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	11	0.41
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	2	0.41
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	2	0.41
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	2	0.41
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	2	0.41
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	2	0.41
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	2	0.41
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	3	0.41
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	3	0.41
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	7	0.41
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	7	0.41
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	11	0.41
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	11	0.41
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	8	0.41
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	15	0.41
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	19	0.41
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	14	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	3	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	3	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	6	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	6	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	6	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	17	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	17	0.41
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	17	0.41
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	2	0.41
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	2	0.41
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	2	0.41
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	2	0.41
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	2	0.41
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	2	0.41
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	2	0.41
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	2	0.41
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	2	0.41
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	7	0.41
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	18	0.41
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	18	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	1	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	1	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	1	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	2	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	2	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	2	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	4	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	4	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	4	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	5	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	5	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	5	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	6	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	6	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	6	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	15	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	15	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	15	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	16	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	16	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	16	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	17	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	17	0.41
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	20	0.41
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	20	0.41
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	20	0.41
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	18	0.41
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	18	0.41
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	18	0.41
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	16	0.41
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	4	0.41
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	4	0.41
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	4	0.41
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	19	0.41
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	12	0.41
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	12	0.41
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	19	0.41
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	19	0.41
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	15	0.4
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	11	0.4
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	1	0.4
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	2	0.4
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	20	0.4
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	1	0.4
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	6	0.4
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	11	0.4
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	14	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	2	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	2	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	2	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	5	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	5	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	5	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	8	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	8	0.4
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	8	0.4
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	18	0.4
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	5	0.4
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	10	0.4
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	14	0.4
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	14	0.4
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	14	0.4
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	14	0.4
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	4	0.4
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	10	0.4
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	4	0.4
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	7	0.4
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	7	0.4
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	7	0.4
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	7	0.4
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	7	0.4
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	7	0.4
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	7	0.4
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	7	0.4
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	7	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	2	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	2	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	2	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	2	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	2	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	2	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	15	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	15	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	15	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	15	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	15	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	15	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	20	0.4
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	20	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	20	0.4
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	20	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	20	0.4
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	20	0.4
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	17	0.4
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	17	0.4
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	17	0.4
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	17	0.4
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	17	0.4
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	17	0.4
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	1	0.4
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	1	0.4
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	1	0.4
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	12	0.4
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	12	0.4
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	3	0.4
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	7	0.4
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	18	0.4
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	14	0.4
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	14	0.4
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	14	0.4
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	9	0.4
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	19	0.4
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	19	0.4
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	19	0.4
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	11	0.4
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	1	0.4
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	1	0.4
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	1	0.4
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	7	0.4
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	7	0.4
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	7	0.4
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	7	0.4
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	7	0.4
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	7	0.4
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	7	0.4
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	7	0.4
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	7	0.4
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	4	0.4
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	4	0.4
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	4	0.4
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	20	0.4
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	20	0.4
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	20	0.4
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	20	0.4
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	10	0.4
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	10	0.4
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	10	0.4
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	17	0.4
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	17	0.4
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	17	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	3	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	3	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	3	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	8	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	8	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	9	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	9	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	9	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	18	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	18	0.4
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	18	0.4
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	9	0.4
(1,1702)	1:150:A:GLU:HG2	1:151:A:SER:H	11	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	2	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	2	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	2	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	2	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	2	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	2	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	14	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	14	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	14	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	14	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	14	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	14	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	20	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	20	0.4
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	20	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	20	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	20	0.4
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	20	0.4
(1,1537)	1:131:A:TRP:H	1:131:A:TRP:HE3	20	0.4
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	7	0.4
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	17	0.4
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	19	0.4
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	14	0.4
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	17	0.4
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	20	0.4
(1,1439)	1:122:A:LYS:HD2	1:123:A:GLU:H	13	0.4
(1,1418)	1:33:A:ILE:H	1:121:A:GLN:HA	14	0.4
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	7	0.4
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	7	0.4
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	7	0.4
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	7	0.4
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	7	0.4
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	7	0.4
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	5	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	5	0.4
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	5	0.4
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	13	0.4
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	13	0.4
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	13	0.4
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	6	0.4
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	6	0.4
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	6	0.4
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	10	0.4
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	15	0.4
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	16	0.4
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	5	0.4
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	14	0.4
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	14	0.4
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	14	0.4
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	17	0.4
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	17	0.4
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	17	0.4
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	11	0.4
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	11	0.4
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	11	0.4
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	18	0.4
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	18	0.4
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	18	0.4
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	11	0.4
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	11	0.4
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	11	0.4
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	13	0.4
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	13	0.4
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	13	0.4
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	13	0.4
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	7	0.4
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	7	0.4
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	7	0.4
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	13	0.4
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	13	0.4
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	13	0.4
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	3	0.4
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	3	0.4
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	3	0.4
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	3	0.4
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	3	0.4
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	12	0.4
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	12	0.4
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	12	0.4
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	12	0.4
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	12	0.4
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	12	0.4
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	14	0.4
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	14	0.4
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	14	0.4
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	14	0.4
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	14	0.4
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	14	0.4
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	6	0.4
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	15	0.4
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	11	0.4
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	11	0.4
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	11	0.4
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	11	0.4
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	11	0.4
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	11	0.4
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	10	0.4
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	10	0.4
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	10	0.4
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	11	0.4
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	11	0.4
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	11	0.4
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	1	0.4
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	1	0.4
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	1	0.4
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	5	0.4
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	1	0.4
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	1	0.4
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	1	0.4
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	16	0.4
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	16	0.4
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	16	0.4
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	13	0.4
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	13	0.4
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	13	0.4
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	13	0.4
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	13	0.4
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	9	0.4
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	12	0.4
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	19	0.4
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	14	0.4
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	17	0.4
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	7	0.4
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	7	0.4
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	7	0.4
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	13	0.4
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	13	0.4
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	13	0.4
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	3	0.4
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	3	0.4
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	3	0.4
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	7	0.4
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	7	0.4
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	7	0.4
(1,139)	1:22:A:THR:HG21	1:22:A:THR:HA	8	0.4
(1,139)	1:22:A:THR:HG22	1:22:A:THR:HA	8	0.4
(1,139)	1:22:A:THR:HG23	1:22:A:THR:HA	8	0.4
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	14	0.4
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	14	0.4
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	14	0.4
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	15	0.4
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	15	0.4
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	3	0.4
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	12	0.4
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	19	0.39
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	20	0.39
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	17	0.39
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	11	0.39
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	6	0.39
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	7	0.39
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	15	0.39
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	17	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	1	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	1	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	1	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	3	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	3	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	6	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	6	0.39
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	6	0.39
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	14	0.39
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	4	0.39
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	4	0.39
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	14	0.39
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	15	0.39
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	18	0.39
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	18	0.39
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	18	0.39
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	18	0.39
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	18	0.39
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	18	0.39
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	6	0.39
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	16	0.39
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	9	0.39
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	15	0.39
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	14	0.39
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	14	0.39
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	4	0.39
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	4	0.39
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	4	0.39
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	4	0.39
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG11	13	0.39
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG12	13	0.39
(1,1865)	1:167:A:HIS:HB3	1:169:A:VAL:HG13	13	0.39
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	15	0.39
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	18	0.39
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	18	0.39
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	18	0.39
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	10	0.39
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	10	0.39
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	10	0.39
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	10	0.39
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	10	0.39
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	10	0.39
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	10	0.39
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	10	0.39
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	10	0.39
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	13	0.39
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	13	0.39
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	13	0.39
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	13	0.39
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	13	0.39
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	13	0.39
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	13	0.39
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	13	0.39
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	18	0.39
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	18	0.39
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	18	0.39
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	19	0.39
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	19	0.39
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	19	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	2	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	2	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	2	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	8	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	8	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	8	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	9	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	9	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	9	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	11	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	11	0.39
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	11	0.39
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	4	0.39
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	4	0.39
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	4	0.39
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	5	0.39
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	5	0.39
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	5	0.39
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	18	0.39
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	18	0.39
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	18	0.39
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	18	0.39
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	18	0.39
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	18	0.39
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	19	0.39
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	19	0.39
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	19	0.39
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	19	0.39
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	19	0.39
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	4	0.39
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	5	0.39
(1,1537)	1:131:A:TRP:H	1:131:A:TRP:HE3	11	0.39
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	5	0.39
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	6	0.39
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	8	0.39
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	18	0.39
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	18	0.39
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	18	0.39
(1,1491)	1:127:A:GLN:HA	1:127:A:GLN:HE21	8	0.39
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	8	0.39
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	8	0.39
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	8	0.39
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	9	0.39
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD1	12	0.39
(1,1343)	1:121:A:GLN:H	1:117:A:TYR:HD2	12	0.39
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	18	0.39
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	18	0.39
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	18	0.39
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	1	0.39
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	1	0.39
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	1	0.39
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	8	0.39
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	8	0.39
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	8	0.39
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	3	0.39
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	3	0.39
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	3	0.39
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	20	0.39
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	20	0.39
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	20	0.39
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	9	0.39
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	9	0.39
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	9	0.39
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	18	0.39
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	2	0.39
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	2	0.39
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	2	0.39
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	10	0.39
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	10	0.39
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	4	0.39
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	4	0.39
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	4	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	5	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	5	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	5	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	6	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	6	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	6	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	8	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	8	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	8	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	9	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	9	0.39
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	9	0.39
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	17	0.39
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	17	0.39
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	17	0.39
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	17	0.39
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	17	0.39
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	17	0.39
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	15	0.39
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	1	0.39
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	1	0.39
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	1	0.39
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	15	0.39
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	15	0.39
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	15	0.39
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	15	0.39
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	15	0.39
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	15	0.39
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	5	0.39
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	13	0.39
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	4	0.39
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	5	0.39
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	19	0.39
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	19	0.39
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	19	0.39
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	9	0.39
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	9	0.39
(1,490)	1:47:A:LYS:HE3	1:49:A:SER:H	20	0.39
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	3	0.39
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	3	0.39
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	3	0.39
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	3	0.39
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	3	0.39
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	6	0.39
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	6	0.39
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	6	0.39
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	6	0.39
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	6	0.39
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	6	0.39
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	10	0.39
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	10	0.39
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	10	0.39
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	10	0.39
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	10	0.39
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	10	0.39
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	3	0.39
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	17	0.39
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	17	0.39
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	17	0.39
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	18	0.39
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	18	0.39
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	6	0.39
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	6	0.39
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	6	0.39
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	18	0.39
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	18	0.39
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	18	0.39
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	20	0.39
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	20	0.39
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	20	0.39
(1,316)	1:34:A:LEU:HD21	1:40:A:ARG:HB3	17	0.39
(1,316)	1:34:A:LEU:HD22	1:40:A:ARG:HB3	17	0.39
(1,316)	1:34:A:LEU:HD23	1:40:A:ARG:HB3	17	0.39
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	18	0.39
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	18	0.39
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	18	0.39
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	10	0.39
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	10	0.39
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	10	0.39
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	18	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	18	0.39
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	18	0.39
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	6	0.39
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	6	0.39
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	6	0.39
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	1	0.39
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	1	0.39
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	1	0.39
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	16	0.39
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	16	0.39
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	16	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	6	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	6	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	6	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	6	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	6	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	6	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	6	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	6	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	6	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	18	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	18	0.39
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	18	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	18	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	18	0.39
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	18	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	18	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	18	0.39
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	18	0.39
(1,203)	1:27:A:SER:H	1:43:A:MET:HA	5	0.39
(1,174)	1:25:A:THR:HG21	1:44:A:GLN:H	8	0.39
(1,174)	1:25:A:THR:HG22	1:44:A:GLN:H	8	0.39
(1,174)	1:25:A:THR:HG23	1:44:A:GLN:H	8	0.39
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	3	0.39
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	10	0.39
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	13	0.39
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	16	0.39
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	20	0.39
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	5	0.39
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	9	0.39
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	9	0.39
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	16	0.39
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	16	0.39
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	16	0.39
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	18	0.39
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	6	0.39
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	6	0.39
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	3	0.39
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	3	0.39
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	3	0.39
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	5	0.39
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	5	0.39
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	5	0.39
(1,61)	1:13:A:ALA:HA	1:12:A:LEU:HB2	6	0.39
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	2	0.39
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	19	0.39
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	17	0.39
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	19	0.39
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	8	0.39
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	8	0.39
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	8	0.38
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	15	0.38
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	19	0.38
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	5	0.38
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	9	0.38
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	13	0.38
(2,25)	1:42:A:TRP:H	1:30:A:ALA:O	3	0.38
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	15	0.38
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	19	0.38
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	19	0.38
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	19	0.38
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	7	0.38
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	3	0.38
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	3	0.38
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	3	0.38
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	3	0.38
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	12	0.38
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	19	0.38
(1,2407)	1:198:A:SER:H	1:225:A:GLU:HG3	14	0.38
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	10	0.38
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	14	0.38
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	14	0.38
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	14	0.38
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	14	0.38
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	14	0.38
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	16	0.38
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	16	0.38
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	16	0.38
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	16	0.38
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	16	0.38
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	16	0.38
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	16	0.38
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	16	0.38
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	16	0.38
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	1	0.38
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	1	0.38
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	1	0.38
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	1	0.38
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	1	0.38
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	1	0.38
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	6	0.38
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	11	0.38
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	11	0.38
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	2	0.38
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	2	0.38
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	2	0.38
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	5	0.38
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	5	0.38
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	5	0.38
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	9	0.38
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	9	0.38
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	9	0.38
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	9	0.38
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	9	0.38
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	9	0.38
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	16	0.38
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	16	0.38
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	16	0.38
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	8	0.38
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	8	0.38
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	8	0.38
(1,1943)	1:175:A:ARG:HG3	1:175:A:ARG:HA	2	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	3	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	3	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	7	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	7	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	7	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	10	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	10	0.38
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	10	0.38
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	7	0.38
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	3	0.38
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	3	0.38
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	3	0.38
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	11	0.38
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	11	0.38
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	11	0.38
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	6	0.38
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	6	0.38
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	6	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	7	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	7	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	7	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	12	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	12	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	12	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	19	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	19	0.38
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	19	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	2	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	2	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	2	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	6	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	6	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	6	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	16	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	16	0.38
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	16	0.38
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	2	0.38
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	5	0.38
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	15	0.38
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	2	0.38
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	4	0.38
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	12	0.38
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	16	0.38
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	16	0.38
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	16	0.38
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	16	0.38
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	16	0.38
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	16	0.38
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	16	0.38
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	16	0.38
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	12	0.38
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	8	0.38
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	8	0.38
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	8	0.38
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	5	0.38
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	5	0.38
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	5	0.38
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	14	0.38
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	14	0.38
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	14	0.38
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	4	0.38
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	4	0.38
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	4	0.38
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	13	0.38
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	13	0.38
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	13	0.38
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	17	0.38
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	17	0.38
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	17	0.38
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	8	0.38
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	8	0.38
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	8	0.38
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	20	0.38
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	20	0.38
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	20	0.38
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	12	0.38
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	12	0.38
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	12	0.38
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	3	0.38
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	3	0.38
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	3	0.38
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	4	0.38
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	11	0.38
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	11	0.38
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	15	0.38
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	15	0.38
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	15	0.38
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	8	0.38
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	8	0.38
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	8	0.38
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	3	0.38
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	3	0.38
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	3	0.38
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	6	0.38
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	15	0.38
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	2	0.38
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	2	0.38
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	2	0.38
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	20	0.38
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	20	0.38
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	20	0.38
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	11	0.38
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	11	0.38
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	11	0.38
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	11	0.38
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	11	0.38
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	11	0.38
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	2	0.38
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	10	0.38
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	12	0.38
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	18	0.38
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	8	0.38
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	8	0.38
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	8	0.38
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	8	0.38
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	8	0.38
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	2	0.38
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	2	0.38
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	2	0.38
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	20	0.38
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	20	0.38
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	20	0.38
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	9	0.38
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	9	0.38
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	9	0.38
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	9	0.38
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	9	0.38
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	13	0.38
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	13	0.38
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	13	0.38
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	13	0.38
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	13	0.38
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	13	0.38
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	2	0.38
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	7	0.38
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	20	0.38
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	1	0.38
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	1	0.38
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	1	0.38
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	8	0.38
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	8	0.38
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	8	0.38
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	14	0.38
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	14	0.38
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	14	0.38
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	20	0.38
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	20	0.38
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	7	0.38
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	9	0.38
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	14	0.38
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	16	0.38
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	13	0.38
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	13	0.38
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	13	0.38
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	17	0.38
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	17	0.38
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	17	0.38
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	11	0.38
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	11	0.38
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	11	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	9	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	9	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	9	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	14	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	14	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	19	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	19	0.38
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	19	0.38
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	16	0.38
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	16	0.38
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	16	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	3	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	3	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	3	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	3	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	3	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	3	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	3	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	3	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	3	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	14	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	14	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	14	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	14	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	14	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	14	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	14	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	14	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	14	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	16	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	16	0.38
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	16	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	16	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	16	0.38
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	16	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	16	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	16	0.38
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	16	0.38
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	1	0.38
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	2	0.38
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	17	0.38
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	11	0.38
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	11	0.38
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	11	0.38
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	14	0.38
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	14	0.38
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	2	0.38
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	7	0.38
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	15	0.38
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG3	17	0.38
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG2	17	0.38
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	3	0.38
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	3	0.38
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	13	0.38
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	6	0.38
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	6	0.38
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	5	0.37
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	6	0.37
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	12	0.37
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	14	0.37
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	9	0.37
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	10	0.37
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	12	0.37
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	3	0.37
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	5	0.37
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	9	0.37
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	11	0.37
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	13	0.37
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	13	0.37
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	13	0.37
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	9	0.37
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	13	0.37
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	17	0.37
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	11	0.37
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	19	0.37
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	19	0.37
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	19	0.37
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	19	0.37
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	20	0.37
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	20	0.37
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	20	0.37
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	20	0.37
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	2	0.37
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	3	0.37
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	18	0.37
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	18	0.37
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	6	0.37
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	18	0.37
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	7	0.37
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	7	0.37
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	7	0.37
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	10	0.37
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	10	0.37
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	10	0.37
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	10	0.37
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	10	0.37
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	10	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	2	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	2	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	2	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	2	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	2	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	2	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	8	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	8	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	8	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	8	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	8	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	8	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	12	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	12	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	12	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	12	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	12	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	12	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	14	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	14	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	14	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	14	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	14	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	14	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	19	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	19	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	19	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	19	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	19	0.37
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	19	0.37
(1,2295)	1:217:A:LYS:H	1:217:A:LYS:HB2	2	0.37
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	17	0.37
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	17	0.37
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	6	0.37
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	6	0.37
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	6	0.37
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	20	0.37
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	20	0.37
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	20	0.37
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	3	0.37
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	3	0.37
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	3	0.37
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	3	0.37
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	3	0.37
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	3	0.37
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE1	12	0.37
(1,1970)	1:177:A:ILE:HD11	1:197:A:PHE:HE2	12	0.37
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE1	12	0.37
(1,1970)	1:177:A:ILE:HD12	1:197:A:PHE:HE2	12	0.37
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE1	12	0.37
(1,1970)	1:177:A:ILE:HD13	1:197:A:PHE:HE2	12	0.37
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	9	0.37
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	9	0.37
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	12	0.37
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	12	0.37
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	14	0.37
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	14	0.37
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	14	0.37
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	14	0.37
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	15	0.37
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	15	0.37
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	15	0.37
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	20	0.37
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	1	0.37
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	1	0.37
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	1	0.37
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	12	0.37
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	12	0.37
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	12	0.37
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	13	0.37
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	13	0.37
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	13	0.37
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	3	0.37
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	3	0.37
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	1	0.37
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	1	0.37
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	1	0.37
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG21	14	0.37
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG22	14	0.37
(1,1705)	1:150:A:GLU:HB3	1:195:A:THR:HG23	14	0.37
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	9	0.37
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	9	0.37
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	9	0.37
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	14	0.37
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	14	0.37
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	14	0.37
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD11	2	0.37
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD12	2	0.37
(1,1618)	1:142:A:TYR:HA	1:143:A:LEU:HD13	2	0.37
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD11	4	0.37
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD12	4	0.37
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD13	4	0.37
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	6	0.37
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	18	0.37
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	19	0.37
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	19	0.37
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	7	0.37
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	7	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	8	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	8	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	8	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	10	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	10	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	10	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	13	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	13	0.37
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	13	0.37
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	5	0.37
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	5	0.37
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	5	0.37
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	5	0.37
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	5	0.37
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	5	0.37
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	1	0.37
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	1	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	2	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	2	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	2	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	3	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	3	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	3	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	6	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	6	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	6	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	13	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	13	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	13	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	17	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	17	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	17	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	18	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	18	0.37
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	18	0.37
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	19	0.37
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	19	0.37
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	19	0.37
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	2	0.37
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	2	0.37
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	2	0.37
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	16	0.37
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	16	0.37
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	16	0.37
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	19	0.37
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	19	0.37
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	19	0.37
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE1	7	0.37
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE2	7	0.37
(1,1102)	1:99:A:ILE:H	1:43:A:MET:HE3	7	0.37
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	11	0.37
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	11	0.37
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	4	0.37
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	4	0.37
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	4	0.37
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	19	0.37
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	19	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	19	0.37
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	19	0.37
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	19	0.37
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	19	0.37
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	9	0.37
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	9	0.37
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	9	0.37
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	20	0.37
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	20	0.37
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	20	0.37
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	14	0.37
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	2	0.37
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	8	0.37
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	8	0.37
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	8	0.37
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	8	0.37
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	8	0.37
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	8	0.37
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	10	0.37
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	10	0.37
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	10	0.37
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	10	0.37
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	10	0.37
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	10	0.37
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	10	0.37
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	18	0.37
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	7	0.37
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	13	0.37
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	13	0.37
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	13	0.37
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	19	0.37
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	19	0.37
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	19	0.37
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	11	0.37
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	11	0.37
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	4	0.37
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	4	0.37
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	4	0.37
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	4	0.37
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	4	0.37
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	4	0.37
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	12	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	12	0.37
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	12	0.37
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	6	0.37
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	11	0.37
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	9	0.37
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	9	0.37
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	9	0.37
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	15	0.37
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	15	0.37
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	15	0.37
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	18	0.37
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	18	0.37
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	18	0.37
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	2	0.37
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	2	0.37
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	15	0.37
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	15	0.37
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	13	0.37
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	13	0.37
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	17	0.37
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	10	0.37
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	10	0.37
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	10	0.37
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	10	0.37
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	11	0.37
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	11	0.37
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	11	0.37
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	16	0.37
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	16	0.37
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	16	0.37
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	15	0.37
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	15	0.37
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	15	0.37
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	14	0.37
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	14	0.37
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	14	0.37
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	18	0.37
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	18	0.37
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	18	0.37
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	17	0.37
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	17	0.37
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	9	0.37
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	9	0.37
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	9	0.37
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	9	0.37
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	9	0.37
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	9	0.37
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	9	0.37
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	9	0.37
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	9	0.37
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	4	0.37
(1,166)	1:24:A:PRO:HG2	1:24:A:PRO:HA	11	0.37
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	8	0.37
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	8	0.37
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	8	0.37
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	8	0.37
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	3	0.37
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	2	0.37
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	2	0.37
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	14	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	3	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	3	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	4	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	4	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	5	0.37
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	5	0.37
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	18	0.36
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	6	0.36
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	10	0.36
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	12	0.36
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	10	0.36
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	15	0.36
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	10	0.36
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	14	0.36
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	7	0.36
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	13	0.36
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	11	0.36
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	12	0.36
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	6	0.36
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	14	0.36
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	17	0.36
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	4	0.36
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	2	0.36
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	15	0.36
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	9	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	1	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	1	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	5	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	5	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	6	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	6	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	20	0.36
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	20	0.36
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	9	0.36
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	13	0.36
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	20	0.36
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	19	0.36
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	7	0.36
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	7	0.36
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	7	0.36
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	7	0.36
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	7	0.36
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	7	0.36
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	12	0.36
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	12	0.36
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	12	0.36
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	12	0.36
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	12	0.36
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	12	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	5	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	5	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	5	0.36
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	5	0.36
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	5	0.36
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	5	0.36
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	5	0.36
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	5	0.36
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	5	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	18	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	18	0.36
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	18	0.36
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	18	0.36
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	18	0.36
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	18	0.36
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	18	0.36
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	18	0.36
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	5	0.36
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	5	0.36
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	5	0.36
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	5	0.36
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	5	0.36
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	5	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	11	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	11	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	11	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	11	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	11	0.36
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	11	0.36
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	18	0.36
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	8	0.36
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	8	0.36
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	8	0.36
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	8	0.36
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	8	0.36
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	8	0.36
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ1	14	0.36
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ2	14	0.36
(1,2056)	1:194:A:ILE:HG12	1:172:A:LYS:HZ3	14	0.36
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	5	0.36
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	5	0.36
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	5	0.36
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	1	0.36
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	1	0.36
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	18	0.36
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	18	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	8	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	8	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	8	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	12	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	12	0.36
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	12	0.36
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	12	0.36
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	12	0.36
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	12	0.36
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	10	0.36
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	10	0.36
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	16	0.36
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	16	0.36
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	16	0.36
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	6	0.36
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	6	0.36
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	6	0.36
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	6	0.36
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	6	0.36
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	6	0.36
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	6	0.36
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	6	0.36
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	6	0.36
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	19	0.36
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	19	0.36
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	19	0.36
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	19	0.36
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	19	0.36
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	19	0.36
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	19	0.36
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	19	0.36
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	19	0.36
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	9	0.36
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	9	0.36
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	9	0.36
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	15	0.36
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	15	0.36
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	15	0.36
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	6	0.36
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	14	0.36
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	14	0.36
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	14	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	16	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	16	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	16	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	18	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	18	0.36
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	18	0.36
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	6	0.36
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	5	0.36
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	4	0.36
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	4	0.36
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	1	0.36
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	10	0.36
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	2	0.36
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	3	0.36
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	20	0.36
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	16	0.36
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	16	0.36
(1,1511)	1:128:A:ARG:H	1:129:A:GLN:HG2	4	0.36
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	15	0.36
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	15	0.36
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	15	0.36
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	15	0.36
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	15	0.36
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	15	0.36
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	17	0.36
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	17	0.36
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	17	0.36
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	17	0.36
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	17	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	9	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	9	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	9	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	20	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	20	0.36
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	20	0.36
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	17	0.36
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD11	8	0.36
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD12	8	0.36
(1,1257)	1:93:A:GLY:HA2	1:113:A:ILE:HD13	8	0.36
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	11	0.36
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	11	0.36
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	11	0.36
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	17	0.36
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	17	0.36
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	17	0.36
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	18	0.36
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	18	0.36
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	18	0.36
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	1	0.36
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	5	0.36
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	13	0.36
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	12	0.36
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	7	0.36
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	12	0.36
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	12	0.36
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	12	0.36
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	13	0.36
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	13	0.36
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	13	0.36
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	7	0.36
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	7	0.36
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	7	0.36
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	2	0.36
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	2	0.36
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	2	0.36
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	11	0.36
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	11	0.36
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	11	0.36
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	5	0.36
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	5	0.36
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	5	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	5	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	5	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	5	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	5	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	5	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	5	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	6	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	6	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	6	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	6	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	6	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	6	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	7	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	7	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	7	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	7	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	7	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	7	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	9	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	9	0.36
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	9	0.36
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	9	0.36
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	9	0.36
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	4	0.36
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	9	0.36
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	4	0.36
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	17	0.36
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	17	0.36
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	17	0.36
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	14	0.36
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	14	0.36
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	18	0.36
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	18	0.36
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	18	0.36
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	5	0.36
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	5	0.36
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	10	0.36
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	10	0.36
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	12	0.36
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	12	0.36
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	7	0.36
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	7	0.36
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	7	0.36
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	9	0.36
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	9	0.36
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	9	0.36
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	15	0.36
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	18	0.36
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	2	0.36
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	2	0.36
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	2	0.36
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	5	0.36
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	5	0.36
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	5	0.36
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	12	0.36
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	20	0.36
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	18	0.36
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	18	0.36
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	18	0.36
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	11	0.36
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	11	0.36
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	13	0.36
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	13	0.36
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	13	0.36
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	7	0.36
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	7	0.36
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	7	0.36
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	7	0.36
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	7	0.36
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	7	0.36
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	14	0.36
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	14	0.36
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	14	0.36
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	4	0.36
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	4	0.36
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	4	0.36
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	4	0.36
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	4	0.36
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	4	0.36
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	4	0.36
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	4	0.36
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	4	0.36
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	20	0.36
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	17	0.36
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	17	0.36
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	17	0.36
(1,101)	1:20:A:PHE:HD1	1:20:A:PHE:HA	2	0.36
(1,101)	1:20:A:PHE:HD2	1:20:A:PHE:HA	2	0.36
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	9	0.36
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	9	0.36
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	10	0.36
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	10	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	1	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	1	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	11	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	11	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	17	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	17	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	20	0.36
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	20	0.36
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	4	0.35
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	10	0.35
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	7	0.35
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	13	0.35
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	6	0.35
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	19	0.35
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	1	0.35
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	5	0.35
(1,2498)	1:228:A:GLN:H	1:228:A:GLN:HB3	7	0.35
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	1	0.35
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	1	0.35
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	1	0.35
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	1	0.35
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	17	0.35
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	17	0.35
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	17	0.35
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	17	0.35
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	16	0.35
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	17	0.35
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	17	0.35
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	1	0.35
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	11	0.35
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	14	0.35
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	17	0.35
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	2	0.35
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	2	0.35
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	2	0.35
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	5	0.35
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	1	0.35
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	16	0.35
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	16	0.35
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	17	0.35
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	2	0.35
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	2	0.35
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	2	0.35
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	2	0.35
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	2	0.35
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	2	0.35
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	2	0.35
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	2	0.35
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	2	0.35
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	9	0.35
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	9	0.35
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	9	0.35
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	9	0.35
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	9	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	5	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	5	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	5	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	5	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	5	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	5	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	6	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	6	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	6	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	6	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	6	0.35
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	6	0.35
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	2	0.35
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	2	0.35
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	2	0.35
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	17	0.35
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	17	0.35
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	17	0.35
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	6	0.35
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	6	0.35
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	10	0.35
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	10	0.35
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	10	0.35
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	10	0.35
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	10	0.35
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	10	0.35
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	10	0.35
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	10	0.35
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	10	0.35
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	2	0.35
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	2	0.35
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	2	0.35
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	7	0.35
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	7	0.35
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	7	0.35
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	4	0.35
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	4	0.35
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	4	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	7	0.35
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	14	0.35
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	15	0.35
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	15	0.35
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	15	0.35
(1,1556)	1:132:A:ILE:H	1:132:A:ILE:HG12	4	0.35
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	12	0.35
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	18	0.35
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	16	0.35
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	4	0.35
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	4	0.35
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	4	0.35
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	11	0.35
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	11	0.35
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	11	0.35
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	2	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	4	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	4	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	4	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	16	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	16	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	16	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	19	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	19	0.35
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	19	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	5	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	5	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	5	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	8	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	8	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	8	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	14	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	14	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	14	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	19	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	19	0.35
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	19	0.35
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	11	0.35
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	11	0.35
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	11	0.35
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	14	0.35
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	14	0.35
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	4	0.35
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	4	0.35
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	4	0.35
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	5	0.35
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	5	0.35
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	5	0.35
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	14	0.35
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	14	0.35
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	14	0.35
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	15	0.35
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	15	0.35
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	15	0.35
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	5	0.35
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	5	0.35
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	5	0.35
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	19	0.35
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	19	0.35
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	19	0.35
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	9	0.35
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	12	0.35
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	5	0.35
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	14	0.35
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	15	0.35
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	9	0.35
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	9	0.35
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	9	0.35
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	16	0.35
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	16	0.35
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	16	0.35
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	19	0.35
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	19	0.35
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	19	0.35
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	6	0.35
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	6	0.35
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	6	0.35
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	15	0.35
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	15	0.35
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	15	0.35
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	16	0.35
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	16	0.35
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	8	0.35
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	4	0.35
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	4	0.35
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	4	0.35
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	16	0.35
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	14	0.35
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	6	0.35
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	14	0.35
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	14	0.35
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	19	0.35
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	19	0.35
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	19	0.35
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	15	0.35
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	15	0.35
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	17	0.35
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	17	0.35
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	16	0.35
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	16	0.35
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	16	0.35
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	16	0.35
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	16	0.35
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	16	0.35
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	17	0.35
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	18	0.35
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	19	0.35
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	4	0.35
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	4	0.35
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	4	0.35
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	1	0.35
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	1	0.35
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	6	0.35
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	6	0.35
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	18	0.35
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	18	0.35
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	8	0.35
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	8	0.35
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	8	0.35
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	4	0.35
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	4	0.35
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	4	0.35
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	6	0.35
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	1	0.35
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	1	0.35
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	3	0.35
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	3	0.35
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	3	0.35
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	6	0.35
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	6	0.35
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	6	0.35
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	19	0.35
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	19	0.35
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	19	0.35
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	19	0.35
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	19	0.35
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	19	0.35
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	19	0.35
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	19	0.35
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	19	0.35
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG21	10	0.35
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG22	10	0.35
(1,163)	1:106:A:GLY:H	1:23:A:VAL:HG23	10	0.35
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	14	0.35
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	3	0.35
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	3	0.35
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	3	0.35
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	9	0.35
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	9	0.35
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	11	0.35
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	4	0.35
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	6	0.35
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	10	0.35
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	10	0.35
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	20	0.35
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	20	0.35
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	2	0.35
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	7	0.35
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	7	0.35
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	14	0.34
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	7	0.34
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	15	0.34
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	9	0.34
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	9	0.34
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	3	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	9	0.34
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	7	0.34
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	14	0.34
(2,92)	1:119:A:LYS:O	1:123:A:GLU:N	20	0.34
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	6	0.34
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	11	0.34
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	1	0.34
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	6	0.34
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	7	0.34
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	9	0.34
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	10	0.34
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	10	0.34
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	15	0.34
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	15	0.34
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	16	0.34
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	16	0.34
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	5	0.34
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	7	0.34
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	12	0.34
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	7	0.34
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	11	0.34
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	3	0.34
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	8	0.34
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	11	0.34
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	11	0.34
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	11	0.34
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	11	0.34
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	11	0.34
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	11	0.34
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	11	0.34
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	11	0.34
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	11	0.34
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	16	0.34
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	16	0.34
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	16	0.34
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	7	0.34
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	7	0.34
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	7	0.34
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	7	0.34
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	7	0.34
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	7	0.34
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	8	0.34
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	8	0.34
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	8	0.34
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	8	0.34
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	8	0.34
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	16	0.34
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	16	0.34
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	16	0.34
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	16	0.34
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	16	0.34
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	16	0.34
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	5	0.34
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	5	0.34
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	5	0.34
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	16	0.34
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	16	0.34
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	16	0.34
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	1	0.34
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	1	0.34
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	1	0.34
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	20	0.34
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	20	0.34
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	20	0.34
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	8	0.34
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	8	0.34
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	8	0.34
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	2	0.34
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	2	0.34
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	2	0.34
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	4	0.34
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	4	0.34
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	20	0.34
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	20	0.34
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	1	0.34
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	1	0.34
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	1	0.34
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	11	0.34
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	11	0.34
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	11	0.34
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	18	0.34
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	16	0.34
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	16	0.34
(1,1774)	1:153:A:VAL:HG21	1:197:A:PHE:HB3	13	0.34
(1,1774)	1:153:A:VAL:HG22	1:197:A:PHE:HB3	13	0.34
(1,1774)	1:153:A:VAL:HG23	1:197:A:PHE:HB3	13	0.34
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	15	0.34
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	15	0.34
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	15	0.34
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	19	0.34
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	19	0.34
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	19	0.34
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	16	0.34
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	16	0.34
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	16	0.34
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	7	0.34
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	7	0.34
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	7	0.34
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	7	0.34
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	7	0.34
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	7	0.34
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	4	0.34
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	2	0.34
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	15	0.34
(1,1537)	1:131:A:TRP:H	1:131:A:TRP:HE3	8	0.34
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	4	0.34
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	14	0.34
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	3	0.34
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	12	0.34
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	19	0.34
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	9	0.34
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	9	0.34
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	9	0.34
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	9	0.34
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	9	0.34
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	9	0.34
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	9	0.34
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	9	0.34
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	9	0.34
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	9	0.34
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	12	0.34
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	12	0.34
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	12	0.34
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	19	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	19	0.34
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	19	0.34
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	5	0.34
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	16	0.34
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	19	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	10	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	10	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	10	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	12	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	12	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	12	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	15	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	15	0.34
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	15	0.34
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	7	0.34
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	7	0.34
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	7	0.34
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	5	0.34
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	5	0.34
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	5	0.34
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	10	0.34
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	10	0.34
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	10	0.34
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	12	0.34
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	12	0.34
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	12	0.34
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	15	0.34
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	15	0.34
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	15	0.34
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	3	0.34
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	3	0.34
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	3	0.34
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	7	0.34
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	7	0.34
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	7	0.34
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	10	0.34
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	10	0.34
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	10	0.34
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	7	0.34
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	6	0.34
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	8	0.34
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	19	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	6	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	6	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	6	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	8	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	8	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	8	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	10	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	10	0.34
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	10	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	2	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	2	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	2	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	15	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	15	0.34
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	15	0.34
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	8	0.34
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	8	0.34
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	8	0.34
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	14	0.34
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	14	0.34
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	14	0.34
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	20	0.34
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	20	0.34
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	20	0.34
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	5	0.34
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	5	0.34
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	5	0.34
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	5	0.34
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	5	0.34
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	5	0.34
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	7	0.34
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	7	0.34
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	7	0.34
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	1	0.34
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	16	0.34
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	17	0.34
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	6	0.34
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	6	0.34
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	6	0.34
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	13	0.34
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	13	0.34
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	13	0.34
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	13	0.34
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	13	0.34
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	20	0.34
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	20	0.34
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	20	0.34
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	20	0.34
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	20	0.34
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	20	0.34
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	14	0.34
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	20	0.34
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	8	0.34
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	12	0.34
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	12	0.34
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	12	0.34
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	9	0.34
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	9	0.34
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	9	0.34
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	5	0.34
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	5	0.34
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	5	0.34
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	9	0.34
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	16	0.34
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	14	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	3	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	3	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	3	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	3	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	3	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	3	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	3	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	3	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	3	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	4	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	4	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	4	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	4	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	4	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	4	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	4	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	4	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	20	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	20	0.34
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	20	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	20	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	20	0.34
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	20	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	20	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	20	0.34
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	20	0.34
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	12	0.34
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	12	0.34
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	12	0.34
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	3	0.34
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	3	0.34
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	4	0.34
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	4	0.34
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	4	0.34
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	1	0.34
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	1	0.34
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	1	0.34
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	13	0.34
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	13	0.34
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	13	0.34
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	16	0.34
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	16	0.34
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	16	0.34
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD11	7	0.34
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD12	7	0.34
(1,302)	1:34:A:LEU:H	1:34:A:LEU:HD13	7	0.34
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	7	0.34
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	7	0.34
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	7	0.34
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	7	0.34
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	7	0.34
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	7	0.34
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	7	0.34
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	7	0.34
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	7	0.34
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	17	0.34
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	17	0.34
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	17	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	17	0.34
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	17	0.34
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	17	0.34
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	17	0.34
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	17	0.34
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	17	0.34
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	17	0.34
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	17	0.34
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	17	0.34
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	12	0.34
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	10	0.34
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	10	0.34
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	10	0.34
(1,109)	1:20:A:PHE:H	1:21:A:PRO:HD3	13	0.34
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	8	0.34
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	12	0.34
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD21	16	0.34
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD22	16	0.34
(1,74)	1:14:A:LEU:H	1:14:A:LEU:HD23	16	0.34
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	8	0.34
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	18	0.34
(1,14)	1:6:A:GLU:HA	1:8:A:MET:H	17	0.34
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	17	0.34
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	17	0.34
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	14	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	6	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	6	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	9	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	9	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	10	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	10	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	13	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	13	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	14	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	14	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	15	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	15	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	16	0.34
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	16	0.34
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	11	0.33
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	16	0.33
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	3	0.33
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	13	0.33
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	17	0.33
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	20	0.33
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	20	0.33
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	8	0.33
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	10	0.33
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	3	0.33
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	19	0.33
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	4	0.33
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	4	0.33
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	4	0.33
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	4	0.33
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	13	0.33
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	13	0.33
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	8	0.33
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	15	0.33
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	19	0.33
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	1	0.33
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	2	0.33
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	20	0.33
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	2	0.33
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	14	0.33
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	14	0.33
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	14	0.33
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	14	0.33
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	8	0.33
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	2	0.33
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	10	0.33
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	14	0.33
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	15	0.33
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	20	0.33
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	10	0.33
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	10	0.33
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	10	0.33
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	10	0.33
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	10	0.33
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	10	0.33
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	10	0.33
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	10	0.33
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	10	0.33
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	19	0.33
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	19	0.33
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	19	0.33
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	19	0.33
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	19	0.33
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	20	0.33
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	20	0.33
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	20	0.33
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	20	0.33
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	20	0.33
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	20	0.33
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	17	0.33
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	17	0.33
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	14	0.33
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	6	0.33
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	6	0.33
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	6	0.33
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	4	0.33
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	4	0.33
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	4	0.33
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	7	0.33
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	7	0.33
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	7	0.33
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	7	0.33
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	7	0.33
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	7	0.33
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	7	0.33
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	5	0.33
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	14	0.33
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	14	0.33
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	14	0.33
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	14	0.33
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	14	0.33
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	14	0.33
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	14	0.33
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	14	0.33
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	14	0.33
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	9	0.33
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	8	0.33
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	8	0.33
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	8	0.33
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	3	0.33
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	3	0.33
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	11	0.33
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	11	0.33
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	11	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	4	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	4	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	4	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	8	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	8	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	8	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	10	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	10	0.33
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	10	0.33
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	14	0.33
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	14	0.33
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	14	0.33
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	5	0.33
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	5	0.33
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	5	0.33
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	15	0.33
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	15	0.33
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	15	0.33
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	6	0.33
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	6	0.33
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	6	0.33
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	6	0.33
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	6	0.33
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	6	0.33
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	3	0.33
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	7	0.33
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD11	16	0.33
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD12	16	0.33
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD13	16	0.33
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	13	0.33
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	15	0.33
(1,1511)	1:128:A:ARG:H	1:129:A:GLN:HG2	2	0.33
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	16	0.33
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	16	0.33
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	1	0.33
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	2	0.33
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	13	0.33
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	13	0.33
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	11	0.33
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	11	0.33
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	11	0.33
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	1	0.33
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	1	0.33
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	1	0.33
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	8	0.33
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	8	0.33
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	8	0.33
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	8	0.33
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	7	0.33
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	7	0.33
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	7	0.33
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	6	0.33
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	6	0.33
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	6	0.33
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	2	0.33
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	3	0.33
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	11	0.33
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	11	0.33
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	11	0.33
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	18	0.33
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	20	0.33
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	8	0.33
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	8	0.33
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	3	0.33
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	3	0.33
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	3	0.33
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	14	0.33
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	14	0.33
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	1	0.33
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	1	0.33
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	1	0.33
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	6	0.33
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	6	0.33
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	6	0.33
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	6	0.33
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	6	0.33
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	6	0.33
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	8	0.33
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	8	0.33
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	17	0.33
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	17	0.33
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	17	0.33
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	8	0.33
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	8	0.33
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	8	0.33
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	17	0.33
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	15	0.33
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	15	0.33
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	15	0.33
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG21	18	0.33
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG22	18	0.33
(1,826)	1:76:A:ASN:H	1:77:A:THR:HG23	18	0.33
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	2	0.33
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	8	0.33
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	17	0.33
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	8	0.33
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	8	0.33
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	8	0.33
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	10	0.33
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	10	0.33
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	10	0.33
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	7	0.33
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	9	0.33
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	13	0.33
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	8	0.33
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	8	0.33
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	8	0.33
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	8	0.33
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	8	0.33
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	8	0.33
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	8	0.33
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	8	0.33
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	8	0.33
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	19	0.33
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	19	0.33
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	19	0.33
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	20	0.33
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	20	0.33
(1,362)	1:85:A:GLU:H	1:39:A:VAL:HB	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	6	0.33
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	6	0.33
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	6	0.33
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	20	0.33
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	20	0.33
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	20	0.33
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	15	0.33
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	2	0.33
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	2	0.33
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	2	0.33
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	10	0.33
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	10	0.33
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	10	0.33
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	15	0.33
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	15	0.33
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	15	0.33
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	10	0.33
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	14	0.33
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	4	0.33
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	4	0.33
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	16	0.33
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	16	0.33
(1,22)	1:9:A:LYS:H	1:8:A:MET:HA	19	0.33
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG3	18	0.33
(1,2)	1:5:A:GLU:H	1:5:A:GLU:HG2	18	0.33
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	18	0.32
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	2	0.32
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	18	0.32
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	15	0.32
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	15	0.32
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	2	0.32
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	16	0.32
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	3	0.32
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	16	0.32
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	2	0.32
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	14	0.32
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	16	0.32
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	12	0.32
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	12	0.32
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	3	0.32
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	4	0.32
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	3	0.32
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	9	0.32
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	13	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	1	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	4	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	5	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	7	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	11	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	16	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	17	0.32
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	19	0.32
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	4	0.32
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	4	0.32
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	4	0.32
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	4	0.32
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	4	0.32
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	4	0.32
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	5	0.32
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	5	0.32
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	5	0.32
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	5	0.32
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	5	0.32
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	5	0.32
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	11	0.32
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	11	0.32
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	11	0.32
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	11	0.32
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	11	0.32
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	11	0.32
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	8	0.32
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	8	0.32
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	8	0.32
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	8	0.32
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	8	0.32
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	8	0.32
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	8	0.32
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	8	0.32
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	8	0.32
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	20	0.32
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	20	0.32
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	20	0.32
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	20	0.32
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	20	0.32
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	20	0.32
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	20	0.32
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	20	0.32
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	5	0.32
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	5	0.32
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	5	0.32
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	15	0.32
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	15	0.32
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	15	0.32
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	2	0.32
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	2	0.32
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	2	0.32
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	2	0.32
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	2	0.32
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	2	0.32
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	12	0.32
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	12	0.32
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	12	0.32
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	12	0.32
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	12	0.32
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	12	0.32
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	20	0.32
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	20	0.32
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	20	0.32
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	20	0.32
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	20	0.32
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	20	0.32
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	9	0.32
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	9	0.32
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	9	0.32
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	13	0.32
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	13	0.32
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	13	0.32
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	6	0.32
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	6	0.32
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	6	0.32
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	7	0.32
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	7	0.32
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	7	0.32
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	17	0.32
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	17	0.32
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	8	0.32
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	8	0.32
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	8	0.32
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	8	0.32
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	8	0.32
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	8	0.32
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	14	0.32
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	14	0.32
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	17	0.32
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	17	0.32
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	17	0.32
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	17	0.32
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	5	0.32
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	5	0.32
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	5	0.32
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	3	0.32
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	3	0.32
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	3	0.32
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	3	0.32
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	3	0.32
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	3	0.32
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	3	0.32
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	3	0.32
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	3	0.32
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	1	0.32
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	7	0.32
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	1	0.32
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	1	0.32
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	1	0.32
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	5	0.32
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	5	0.32
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	5	0.32
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	9	0.32
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	9	0.32
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	9	0.32
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	9	0.32
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	9	0.32
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	9	0.32
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	17	0.32
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	17	0.32
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	4	0.32
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	4	0.32
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	4	0.32
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	4	0.32
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	4	0.32
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	4	0.32
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	4	0.32
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	4	0.32
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	4	0.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	17	0.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	17	0.32
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	17	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	5	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	5	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	5	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	11	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	11	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	11	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	20	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	20	0.32
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	20	0.32
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	20	0.32
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	20	0.32
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	20	0.32
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	5	0.32
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	5	0.32
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	5	0.32
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	5	0.32
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	5	0.32
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	5	0.32
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	18	0.32
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	7	0.32
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	6	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	3	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	3	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	3	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	7	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	7	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	7	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	14	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	14	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	16	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	16	0.32
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	16	0.32
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	6	0.32
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	14	0.32
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	14	0.32
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	14	0.32
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	3	0.32
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	3	0.32
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	3	0.32
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG21	7	0.32
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG22	7	0.32
(1,1272)	1:113:A:ILE:H	1:113:A:ILE:HG23	7	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	6	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	6	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	6	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	11	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	11	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	11	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	12	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	12	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	12	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	20	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	20	0.32
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	20	0.32
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	14	0.32
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	16	0.32
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	13	0.32
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	13	0.32
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	13	0.32
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	8	0.32
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	8	0.32
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	8	0.32
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	12	0.32
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	12	0.32
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	12	0.32
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	15	0.32
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	16	0.32
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	16	0.32
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	16	0.32
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	7	0.32
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	16	0.32
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	16	0.32
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	16	0.32
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	6	0.32
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	6	0.32
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	6	0.32
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	9	0.32
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	9	0.32
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	9	0.32
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	11	0.32
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	11	0.32
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	11	0.32
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	18	0.32
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	18	0.32
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	20	0.32
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	20	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	4	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	4	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	4	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	15	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	15	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	15	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	16	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	16	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	16	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	17	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	17	0.32
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	17	0.32
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	12	0.32
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	12	0.32
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	12	0.32
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	12	0.32
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	12	0.32
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	12	0.32
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	1	0.32
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	1	0.32
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	1	0.32
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	10	0.32
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	10	0.32
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	10	0.32
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	12	0.32
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	12	0.32
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	16	0.32
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	16	0.32
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	16	0.32
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	14	0.32
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	14	0.32
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	14	0.32
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	19	0.32
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	19	0.32
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	19	0.32
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	14	0.32
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	14	0.32
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	14	0.32
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	15	0.32
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	19	0.32
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	1	0.32
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	13	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	6	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	6	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	6	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	13	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	13	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	13	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	14	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	14	0.32
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	14	0.32
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	2	0.32
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	7	0.32
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	7	0.32
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	7	0.32
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	16	0.32
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	16	0.32
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	16	0.32
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	17	0.32
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	17	0.32
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	17	0.32
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	5	0.32
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	5	0.32
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	1	0.32
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	1	0.32
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	11	0.32
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	11	0.32
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	11	0.32
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	12	0.32
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	18	0.32
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	18	0.32
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	8	0.32
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	8	0.32
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	8	0.32
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	19	0.32
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	19	0.32
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	19	0.32
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	8	0.32
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	19	0.32
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	3	0.32
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	10	0.32
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	10	0.32
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	10	0.32
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	2	0.32
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	2	0.32
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	2	0.32
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	11	0.32
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	11	0.32
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	11	0.32
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	11	0.32
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	11	0.32
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	11	0.32
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	11	0.32
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	11	0.32
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	11	0.32
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	5	0.32
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	5	0.32
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	5	0.32
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	8	0.32
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	8	0.32
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	8	0.32
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	8	0.32
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	8	0.32
(1,363)	1:86:A:LYS:H	1:39:A:VAL:HB	14	0.32
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	2	0.32
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	2	0.32
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	2	0.32
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	2	0.32
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	2	0.32
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	2	0.32
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	2	0.32
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	2	0.32
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	14	0.32
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	14	0.32
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	14	0.32
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	14	0.32
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	14	0.32
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	14	0.32
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	14	0.32
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	14	0.32
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	14	0.32
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	15	0.32
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	15	0.32
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	15	0.32
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	1	0.32
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	11	0.32
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	11	0.32
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	11	0.32
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	8	0.32
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	8	0.32
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	8	0.32
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	8	0.32
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	8	0.32
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	8	0.32
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	8	0.32
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	8	0.32
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	8	0.32
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	18	0.32
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	18	0.32
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	18	0.32
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	18	0.32
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	18	0.32
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	18	0.32
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	18	0.32
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	18	0.32
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	18	0.32
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	19	0.32
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	19	0.32
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD21	8	0.32
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD22	8	0.32
(1,218)	1:43:A:MET:HE1	1:29:A:LEU:HD23	8	0.32
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD21	8	0.32
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD22	8	0.32
(1,218)	1:43:A:MET:HE2	1:29:A:LEU:HD23	8	0.32
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD21	8	0.32
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD22	8	0.32
(1,218)	1:43:A:MET:HE3	1:29:A:LEU:HD23	8	0.32
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	8	0.32
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	8	0.32
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	8	0.32
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	1	0.32
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	17	0.32
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	19	0.32
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	19	0.32
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	12	0.32
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	19	0.32
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	19	0.32
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	11	0.32
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	7	0.32
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	19	0.32
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	15	0.31
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	4	0.31
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	8	0.31
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	12	0.31
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	11	0.31
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	11	0.31
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	11	0.31
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	11	0.31
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	11	0.31
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	2	0.31
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	18	0.31
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	18	0.31
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	18	0.31
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	13	0.31
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	15	0.31
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	18	0.31
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	7	0.31
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	15	0.31
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	12	0.31
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	12	0.31
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	12	0.31
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	1	0.31
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	9	0.31
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	18	0.31
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	3	0.31
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	6	0.31
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	9	0.31
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	12	0.31
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	18	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	14	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	14	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	14	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	14	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	14	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	14	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	14	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	14	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	14	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	17	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	17	0.31
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	17	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	17	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	17	0.31
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	17	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	17	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	17	0.31
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	17	0.31
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	3	0.31
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	3	0.31
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	3	0.31
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	3	0.31
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	3	0.31
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	3	0.31
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	20	0.31
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	20	0.31
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	20	0.31
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	20	0.31
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	9	0.31
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	9	0.31
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	9	0.31
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	9	0.31
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	9	0.31
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	10	0.31
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	10	0.31
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	10	0.31
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	5	0.31
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	5	0.31
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	5	0.31
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	12	0.31
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	12	0.31
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	12	0.31
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	19	0.31
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	19	0.31
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	19	0.31
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	10	0.31
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	10	0.31
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	10	0.31
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	16	0.31
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	16	0.31
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	16	0.31
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	3	0.31
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	3	0.31
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	3	0.31
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	2	0.31
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	2	0.31
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	13	0.31
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	13	0.31
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	13	0.31
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	13	0.31
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	13	0.31
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	13	0.31
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	13	0.31
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	13	0.31
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	13	0.31
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	13	0.31
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	13	0.31
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	13	0.31
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	14	0.31
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	2	0.31
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	2	0.31
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	5	0.31
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	5	0.31
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	5	0.31
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	5	0.31
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	5	0.31
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	5	0.31
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	5	0.31
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	5	0.31
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	5	0.31
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	16	0.31
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	16	0.31
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	16	0.31
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	18	0.31
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	18	0.31
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	18	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	8	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	8	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	8	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	10	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	10	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	10	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	16	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	16	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	16	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	17	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	17	0.31
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	17	0.31
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	19	0.31
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	14	0.31
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	4	0.31
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	4	0.31
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	4	0.31
(1,1553)	1:132:A:ILE:HD11	1:132:A:ILE:H	7	0.31
(1,1553)	1:132:A:ILE:HD12	1:132:A:ILE:H	7	0.31
(1,1553)	1:132:A:ILE:HD13	1:132:A:ILE:H	7	0.31
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	2	0.31
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	2	0.31
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	2	0.31
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	17	0.31
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	20	0.31
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	7	0.31
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	6	0.31
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	4	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	3	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	3	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	3	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	10	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	10	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	10	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	11	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	11	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	11	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	19	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	19	0.31
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	19	0.31
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	9	0.31
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	9	0.31
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	9	0.31
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	1	0.31
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	1	0.31
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	1	0.31
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	1	0.31
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	1	0.31
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	1	0.31
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	4	0.31
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	7	0.31
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	8	0.31
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	19	0.31
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	7	0.31
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	11	0.31
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	3	0.31
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	3	0.31
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	3	0.31
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	14	0.31
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	8	0.31
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	8	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	9	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	9	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	9	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	10	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	10	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	10	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	17	0.31
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	17	0.31
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	3	0.31
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	14	0.31
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	14	0.31
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	14	0.31
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	1	0.31
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	1	0.31
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	1	0.31
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	8	0.31
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	8	0.31
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	8	0.31
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	9	0.31
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	9	0.31
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	9	0.31
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	17	0.31
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	17	0.31
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	17	0.31
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	13	0.31
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	13	0.31
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	13	0.31
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	4	0.31
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	14	0.31
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	7	0.31
(1,1081)	1:97:A:PHE:HA	1:98:A:GLN:HB3	13	0.31
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	1	0.31
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	3	0.31
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	10	0.31
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	9	0.31
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	10	0.31
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	17	0.31
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	17	0.31
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	7	0.31
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	7	0.31
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	7	0.31
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	15	0.31
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	15	0.31
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	15	0.31
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	20	0.31
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	20	0.31
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	20	0.31
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	1	0.31
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	6	0.31
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	6	0.31
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	20	0.31
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	20	0.31
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	20	0.31
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE1	10	0.31
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE2	10	0.31
(1,921)	1:70:A:LYS:H	1:82:A:MET:HE3	10	0.31
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	8	0.31
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	8	0.31
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	8	0.31
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	8	0.31
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	8	0.31
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	8	0.31
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	3	0.31
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	3	0.31
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	3	0.31
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	18	0.31
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	18	0.31
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	18	0.31
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	7	0.31
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	18	0.31
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	10	0.31
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	11	0.31
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	2	0.31
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	2	0.31
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	2	0.31
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	17	0.31
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	17	0.31
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	17	0.31
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	18	0.31
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	18	0.31
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	18	0.31
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	18	0.31
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	18	0.31
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	18	0.31
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	10	0.31
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	13	0.31
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	12	0.31
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	12	0.31
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	5	0.31
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	5	0.31
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	10	0.31
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	2	0.31
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	2	0.31
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	19	0.31
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	19	0.31
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	20	0.31
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	20	0.31
(1,490)	1:47:A:LYS:HE3	1:49:A:SER:H	6	0.31
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	5	0.31
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	5	0.31
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	5	0.31
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	5	0.31
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	5	0.31
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	5	0.31
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	3	0.31
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	3	0.31
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	3	0.31
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	18	0.31
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	18	0.31
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	18	0.31
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	3	0.31
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	20	0.31
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	15	0.31
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	1	0.31
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	12	0.31
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	1	0.31
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	1	0.31
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	1	0.31
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	1	0.31
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	1	0.31
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	1	0.31
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	1	0.31
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	1	0.31
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	1	0.31
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	2	0.31
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	2	0.31
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	2	0.31
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	2	0.31
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	2	0.31
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	2	0.31
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	2	0.31
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	2	0.31
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	6	0.31
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	6	0.31
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	6	0.31
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	5	0.31
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	5	0.31
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	11	0.31
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	11	0.31
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	12	0.31
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	12	0.31
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	3	0.31
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	3	0.31
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	3	0.31
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	8	0.31
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	8	0.31
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	8	0.31
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	5	0.31
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	5	0.31
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	5	0.31
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	6	0.31
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	6	0.31
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	6	0.31
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	5	0.31
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	11	0.31
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	5	0.31
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	5	0.31
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	5	0.31
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG11	20	0.31
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG12	20	0.31
(1,264)	1:95:A:TYR:H	1:31:A:VAL:HG13	20	0.31
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	15	0.31
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	15	0.31
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	15	0.31
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	4	0.31
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	4	0.31
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	4	0.31
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	4	0.31
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	4	0.31
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	4	0.31
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	4	0.31
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	4	0.31
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	6	0.31
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	6	0.31
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	6	0.31
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	6	0.31
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	6	0.31
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	6	0.31
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	6	0.31
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	6	0.31
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	6	0.31
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	3	0.31
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	3	0.31
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	3	0.31
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	1	0.31
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	20	0.31
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	7	0.31
(1,109)	1:20:A:PHE:H	1:21:A:PRO:HD3	10	0.31
(1,96)	1:20:A:PHE:HD1	1:19:A:LYS:HA	9	0.31
(1,96)	1:20:A:PHE:HD2	1:19:A:LYS:HA	9	0.31
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	9	0.31
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	10	0.31
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	18	0.31
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	18	0.31
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	18	0.31
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	19	0.31
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	19	0.31
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	19	0.31
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	1	0.31
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	1	0.31
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	6	0.31
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	6	0.31
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	18	0.31
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	18	0.31
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	18	0.3
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	2	0.3
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	3	0.3
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	5	0.3
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	10	0.3
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	8	0.3
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	16	0.3
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	14	0.3
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	14	0.3
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	14	0.3
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	6	0.3
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	6	0.3
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	6	0.3
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	6	0.3
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	8	0.3
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	8	0.3
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	8	0.3
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	8	0.3
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	16	0.3
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	16	0.3
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	16	0.3
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	16	0.3
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	8	0.3
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	16	0.3
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	18	0.3
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	20	0.3
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	3	0.3
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	3	0.3
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	3	0.3
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	10	0.3
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	10	0.3
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	10	0.3
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	14	0.3
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	16	0.3
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	19	0.3
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	5	0.3
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	1	0.3
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	7	0.3
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	20	0.3
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	8	0.3
(1,2397)	1:224:A:ASP:HA	1:224:A:ASP:HB3	13	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	3	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	3	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	3	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	3	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	3	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	3	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	3	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	3	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	4	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	4	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	4	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	4	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	4	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	4	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	4	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	4	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	4	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	12	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	12	0.3
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	12	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	12	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	12	0.3
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	12	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	12	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	12	0.3
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	12	0.3
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	11	0.3
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	11	0.3
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	11	0.3
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	13	0.3
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	11	0.3
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	11	0.3
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	11	0.3
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	16	0.3
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	16	0.3
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	16	0.3
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	10	0.3
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	10	0.3
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	10	0.3
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	10	0.3
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	10	0.3
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	10	0.3
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	8	0.3
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	8	0.3
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	8	0.3
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	17	0.3
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	17	0.3
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	17	0.3
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	6	0.3
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	6	0.3
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	10	0.3
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	10	0.3
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	10	0.3
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	12	0.3
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	12	0.3
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	12	0.3
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	18	0.3
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	18	0.3
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	18	0.3
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	2	0.3
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	2	0.3
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	2	0.3
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	8	0.3
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	10	0.3
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	10	0.3
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	10	0.3
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	11	0.3
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	11	0.3
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	11	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	10	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	10	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	10	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	10	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	10	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	10	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	11	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	11	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	11	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	11	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	11	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	11	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	15	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	15	0.3
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	15	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	15	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	15	0.3
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	15	0.3
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	12	0.3
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	9	0.3
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	7	0.3
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	8	0.3
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	19	0.3
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	3	0.3
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	5	0.3
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	18	0.3
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	9	0.3
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	9	0.3
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	9	0.3
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	15	0.3
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	15	0.3
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	15	0.3
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	17	0.3
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	17	0.3
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	17	0.3
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	3	0.3
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	10	0.3
(1,1328)	1:112:A:LEU:HD21	1:117:A:TYR:HA	18	0.3
(1,1328)	1:112:A:LEU:HD22	1:117:A:TYR:HA	18	0.3
(1,1328)	1:112:A:LEU:HD23	1:117:A:TYR:HA	18	0.3
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	2	0.3
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	2	0.3
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	2	0.3
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	15	0.3
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	15	0.3
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	15	0.3
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	9	0.3
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	13	0.3
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	13	0.3
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	13	0.3
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	18	0.3
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	18	0.3
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	18	0.3
(1,1174)	1:105:A:THR:HG21	1:100:A:GLN:HG2	1	0.3
(1,1174)	1:105:A:THR:HG22	1:100:A:GLN:HG2	1	0.3
(1,1174)	1:105:A:THR:HG23	1:100:A:GLN:HG2	1	0.3
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	1	0.3
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	17	0.3
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	7	0.3
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	7	0.3
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	7	0.3
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	9	0.3
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	9	0.3
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	17	0.3
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	17	0.3
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	17	0.3
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	18	0.3
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	20	0.3
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	19	0.3
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	19	0.3
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	19	0.3
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	8	0.3
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	8	0.3
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	8	0.3
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	1	0.3
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	1	0.3
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	1	0.3
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	4	0.3
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	4	0.3
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	4	0.3
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	7	0.3
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	7	0.3
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	7	0.3
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	1	0.3
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	1	0.3
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	1	0.3
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	14	0.3
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	14	0.3
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	14	0.3
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	14	0.3
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	14	0.3
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	14	0.3
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	18	0.3
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	18	0.3
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	18	0.3
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	18	0.3
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	18	0.3
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	18	0.3
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	15	0.3
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	15	0.3
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	15	0.3
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	4	0.3
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	12	0.3
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	16	0.3
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	1	0.3
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	2	0.3
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	5	0.3
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	6	0.3
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	6	0.3
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	6	0.3
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	7	0.3
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	7	0.3
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	7	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	8	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	8	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	8	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	9	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	9	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	9	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	11	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	11	0.3
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	11	0.3
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	4	0.3
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	4	0.3
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	4	0.3
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	4	0.3
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	4	0.3
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	4	0.3
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	11	0.3
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	12	0.3
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	9	0.3
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	9	0.3
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	9	0.3
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	6	0.3
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	13	0.3
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	15	0.3
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	15	0.3
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	15	0.3
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	17	0.3
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	17	0.3
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	17	0.3
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	11	0.3
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	11	0.3
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	2	0.3
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	2	0.3
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	2	0.3
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	11	0.3
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	11	0.3
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	11	0.3
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	13	0.3
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	13	0.3
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	13	0.3
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	17	0.3
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	17	0.3
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	17	0.3
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	7	0.3
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	9	0.3
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	13	0.3
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	7	0.3
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	7	0.3
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	7	0.3
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	4	0.3
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	4	0.3
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	5	0.3
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	5	0.3
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	5	0.3
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	12	0.3
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	13	0.3
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	10	0.3
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	10	0.3
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	10	0.3
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	9	0.3
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	9	0.3
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	9	0.3
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	2	0.3
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	2	0.3
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	2	0.3
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	2	0.3
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	2	0.3
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	2	0.3
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	2	0.3
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	2	0.3
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	2	0.3
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	2	0.3
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	2	0.3
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	4	0.3
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	4	0.3
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	4	0.3
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	13	0.3
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	14	0.3
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	12	0.3
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	12	0.3
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	12	0.3
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	4	0.3
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	11	0.3
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	17	0.3
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	14	0.3
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	14	0.3
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	15	0.3
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	15	0.3
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	9	0.3
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	17	0.29
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	19	0.29
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	14	0.29
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	11	0.29
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	7	0.29
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	9	0.29
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	19	0.29
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	18	0.29
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	4	0.29
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	19	0.29
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	12	0.29
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	20	0.29
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	15	0.29
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	2	0.29
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	2	0.29
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	2	0.29
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	2	0.29
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	6	0.29
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	12	0.29
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	14	0.29
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	19	0.29
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	2	0.29
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	2	0.29
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	15	0.29
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	15	0.29
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	4	0.29
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	9	0.29
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	10	0.29
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	12	0.29
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	4	0.29
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	4	0.29
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	4	0.29
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	4	0.29
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	17	0.29
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	17	0.29
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	17	0.29
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	17	0.29
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	13	0.29
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	2	0.29
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	2	0.29
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	2	0.29
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	2	0.29
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	2	0.29
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	2	0.29
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	19	0.29
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	19	0.29
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	19	0.29
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	19	0.29
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	19	0.29
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	19	0.29
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	19	0.29
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	19	0.29
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	19	0.29
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	16	0.29
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	2	0.29
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	9	0.29
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	13	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	9	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	9	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	9	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	9	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	9	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	9	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	10	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	10	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	10	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	10	0.29
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	10	0.29
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	13	0.29
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	13	0.29
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	13	0.29
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	13	0.29
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	17	0.29
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	17	0.29
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	17	0.29
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	17	0.29
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	17	0.29
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	17	0.29
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	3	0.29
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	3	0.29
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	3	0.29
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	12	0.29
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	12	0.29
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	12	0.29
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	17	0.29
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	17	0.29
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	17	0.29
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	15	0.29
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	15	0.29
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	15	0.29
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	19	0.29
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	19	0.29
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	19	0.29
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	19	0.29
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	19	0.29
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	19	0.29
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	19	0.29
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	19	0.29
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	19	0.29
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	19	0.29
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	19	0.29
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	19	0.29
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	12	0.29
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	12	0.29
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	12	0.29
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	15	0.29
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	6	0.29
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	6	0.29
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	6	0.29
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	6	0.29
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	6	0.29
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	6	0.29
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	6	0.29
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	6	0.29
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	7	0.29
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	7	0.29
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	7	0.29
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	2	0.29
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	2	0.29
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	2	0.29
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	7	0.29
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	7	0.29
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	7	0.29
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	7	0.29
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	18	0.29
(1,1569)	1:131:A:TRP:HE1	1:135:A:GLN:HE22	19	0.29
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	9	0.29
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	9	0.29
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	9	0.29
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	9	0.29
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	1	0.29
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	2	0.29
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	2	0.29
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	13	0.29
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	14	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	6	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	6	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	6	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	14	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	14	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	14	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	16	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	16	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	16	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	18	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	18	0.29
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	18	0.29
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	4	0.29
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	4	0.29
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	6	0.29
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	6	0.29
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	6	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	10	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	10	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	10	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	10	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	10	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	10	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	12	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	12	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	12	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	12	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	12	0.29
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	12	0.29
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	4	0.29
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	6	0.29
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	8	0.29
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	9	0.29
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	13	0.29
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	3	0.29
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	3	0.29
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	3	0.29
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	18	0.29
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	18	0.29
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	18	0.29
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	6	0.29
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	6	0.29
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	6	0.29
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	6	0.29
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	20	0.29
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	20	0.29
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	20	0.29
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	20	0.29
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	7	0.29
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	20	0.29
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	18	0.29
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	18	0.29
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	18	0.29
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	3	0.29
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	10	0.29
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	10	0.29
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	7	0.29
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	8	0.29
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	16	0.29
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	14	0.29
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	3	0.29
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	3	0.29
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	3	0.29
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	9	0.29
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	9	0.29
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	9	0.29
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	1	0.29
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	1	0.29
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	1	0.29
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	3	0.29
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	3	0.29
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	3	0.29
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG3	17	0.29
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG3	17	0.29
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG3	17	0.29
(1,808)	1:73:A:ILE:HG21	1:82:A:MET:HG2	17	0.29
(1,808)	1:73:A:ILE:HG22	1:82:A:MET:HG2	17	0.29
(1,808)	1:73:A:ILE:HG23	1:82:A:MET:HG2	17	0.29
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	1	0.29
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	20	0.29
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	6	0.29
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	1	0.29
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	1	0.29
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	1	0.29
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	7	0.29
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	18	0.29
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	20	0.29
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	18	0.29
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	18	0.29
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	18	0.29
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	4	0.29
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	4	0.29
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	4	0.29
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	6	0.29
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	6	0.29
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	6	0.29
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	6	0.29
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	14	0.29
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	14	0.29
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	14	0.29
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	15	0.29
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	15	0.29
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	15	0.29
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	11	0.29
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	8	0.29
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	10	0.29
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	5	0.29
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	5	0.29
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	5	0.29
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	5	0.29
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	5	0.29
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	5	0.29
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	5	0.29
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	5	0.29
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	5	0.29
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	15	0.29
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	15	0.29
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	15	0.29
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	15	0.29
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	15	0.29
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	15	0.29
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	15	0.29
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	15	0.29
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	15	0.29
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	14	0.29
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	14	0.29
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	14	0.29
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	1	0.29
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	1	0.29
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	1	0.29
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	6	0.29
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	6	0.29
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	6	0.29
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	12	0.29
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	12	0.29
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	11	0.29
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	11	0.29
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	11	0.29
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	3	0.29
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	3	0.29
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	3	0.29
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	3	0.29
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	3	0.29
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	3	0.29
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	3	0.29
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	3	0.29
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	3	0.29
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	19	0.29
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	19	0.29
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	19	0.29
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	19	0.29
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	19	0.29
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	19	0.29
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	19	0.29
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	19	0.29
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	19	0.29
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	18	0.29
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	18	0.29
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	18	0.29
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	5	0.29
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	6	0.29
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	10	0.29
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	16	0.29
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	19	0.29
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	9	0.29
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	9	0.29
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	9	0.29
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG3	12	0.29
(1,113)	1:20:A:PHE:H	1:21:A:PRO:HG2	12	0.29
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	2	0.29
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	7	0.29
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	2	0.29
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	5	0.29
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	8	0.29
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	15	0.29
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	19	0.29
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	11	0.29
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	11	0.29
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	14	0.29
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	14	0.29
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	14	0.29
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	10	0.29
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	10	0.29
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	10	0.29
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	12	0.29
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	12	0.29
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	12	0.29
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	17	0.29
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	17	0.29
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	20	0.29
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	20	0.29
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	1	0.29
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	4	0.29
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	12	0.29
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	3	0.28
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	10	0.28
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	3	0.28
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	6	0.28
(2,131)	1:190:A:CYS:H	1:157:A:CYS:O	4	0.28
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	3	0.28
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	8	0.28
(2,105)	1:144:A:SER:H	1:156:A:LYS:O	16	0.28
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	8	0.28
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	7	0.28
(2,3)	1:10:A:ARG:H	1:6:A:GLU:O	8	0.28
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD21	10	0.28
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD22	10	0.28
(1,2544)	1:231:A:MET:H	1:230:A:LEU:HD23	10	0.28
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	7	0.28
(1,2512)	1:229:A:ASP:H	1:228:A:GLN:HB3	9	0.28
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	13	0.28
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	13	0.28
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	13	0.28
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	13	0.28
(1,2487)	1:194:A:ILE:HG21	1:228:A:GLN:HE21	12	0.28
(1,2487)	1:194:A:ILE:HG22	1:228:A:GLN:HE21	12	0.28
(1,2487)	1:194:A:ILE:HG23	1:228:A:GLN:HE21	12	0.28
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	4	0.28
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	8	0.28
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	15	0.28
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	18	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	5	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	5	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	5	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	7	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	7	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	7	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	11	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	11	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	11	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	13	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	13	0.28
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	13	0.28
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	17	0.28
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	12	0.28
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	5	0.28
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	5	0.28
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	5	0.28
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	5	0.28
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	5	0.28
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	5	0.28
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	6	0.28
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	6	0.28
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	6	0.28
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	6	0.28
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	6	0.28
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	6	0.28
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	6	0.28
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	6	0.28
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	6	0.28
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	6	0.28
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	6	0.28
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	6	0.28
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	6	0.28
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	6	0.28
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	6	0.28
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	20	0.28
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	20	0.28
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	2	0.28
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	7	0.28
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	7	0.28
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	7	0.28
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	8	0.28
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	8	0.28
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	8	0.28
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	4	0.28
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	8	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	5	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	5	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	5	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	5	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	5	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	5	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	7	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	7	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	7	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	7	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	7	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	7	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	16	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	16	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	16	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	16	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	16	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	16	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	18	0.28
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	18	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	18	0.28
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	18	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	18	0.28
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	18	0.28
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	9	0.28
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	9	0.28
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	9	0.28
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	2	0.28
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	2	0.28
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	2	0.28
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	15	0.28
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	15	0.28
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	20	0.28
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	20	0.28
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	20	0.28
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	4	0.28
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	4	0.28
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	4	0.28
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	1	0.28
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	1	0.28
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	1	0.28
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	10	0.28
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	10	0.28
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	10	0.28
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	20	0.28
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	20	0.28
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	20	0.28
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	7	0.28
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	7	0.28
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	7	0.28
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	7	0.28
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	7	0.28
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	7	0.28
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	7	0.28
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	7	0.28
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	7	0.28
(1,1838)	1:161:A:ASN:H	1:162:A:ILE:HB	4	0.28
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	3	0.28
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	8	0.28
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	8	0.28
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	8	0.28
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	8	0.28
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	17	0.28
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	17	0.28
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	17	0.28
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	12	0.28
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	17	0.28
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	17	0.28
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	17	0.28
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	7	0.28
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	7	0.28
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	7	0.28
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	3	0.28
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	3	0.28
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	3	0.28
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	3	0.28
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	3	0.28
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	20	0.28
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	11	0.28
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	11	0.28
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	11	0.28
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	12	0.28
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	12	0.28
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	12	0.28
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	12	0.28
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	12	0.28
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	12	0.28
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	9	0.28
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	19	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	7	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	7	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	7	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	12	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	12	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	12	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	17	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	17	0.28
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	17	0.28
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	5	0.28
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	5	0.28
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	5	0.28
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	15	0.28
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	18	0.28
(1,1308)	1:116:A:VAL:HG21	1:115:A:ASP:HB3	16	0.28
(1,1308)	1:116:A:VAL:HG22	1:115:A:ASP:HB3	16	0.28
(1,1308)	1:116:A:VAL:HG23	1:115:A:ASP:HB3	16	0.28
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	9	0.28
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	9	0.28
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	9	0.28
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	4	0.28
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	4	0.28
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	4	0.28
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	6	0.28
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	6	0.28
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	2	0.28
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	2	0.28
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	2	0.28
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	18	0.28
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	3	0.28
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	3	0.28
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	3	0.28
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	2	0.28
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	2	0.28
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	2	0.28
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	12	0.28
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	12	0.28
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	12	0.28
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	12	0.28
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	11	0.28
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	11	0.28
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	11	0.28
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	19	0.28
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	19	0.28
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	19	0.28
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	19	0.28
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	19	0.28
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	17	0.28
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	17	0.28
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	17	0.28
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	4	0.28
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	4	0.28
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	4	0.28
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	4	0.28
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	4	0.28
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	4	0.28
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	4	0.28
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	4	0.28
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	4	0.28
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	9	0.28
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	9	0.28
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	9	0.28
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	9	0.28
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	9	0.28
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	9	0.28
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	9	0.28
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	9	0.28
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	14	0.28
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	14	0.28
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	14	0.28
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	19	0.28
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	19	0.28
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	19	0.28
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	3	0.28
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	3	0.28
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	3	0.28
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	2	0.28
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	9	0.28
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	11	0.28
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	15	0.28
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	17	0.28
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	19	0.28
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	13	0.28
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	13	0.28
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	13	0.28
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE1	15	0.28
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE2	15	0.28
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE3	15	0.28
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	16	0.28
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	16	0.28
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	16	0.28
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	16	0.28
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	16	0.28
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	16	0.28
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	9	0.28
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	18	0.28
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	20	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	1	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	1	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	1	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	3	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	3	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	3	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	9	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	9	0.28
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	9	0.28
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	16	0.28
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	1	0.28
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	4	0.28
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	4	0.28
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	4	0.28
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	13	0.28
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	13	0.28
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	13	0.28
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE1	7	0.28
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE2	7	0.28
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE3	7	0.28
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE1	7	0.28
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE2	7	0.28
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE3	7	0.28
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	3	0.28
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	3	0.28
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	7	0.28
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	7	0.28
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD2	20	0.28
(1,513)	1:53:A:LYS:H	1:47:A:LYS:HD3	20	0.28
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE1	7	0.28
(1,487)	1:48:A:LEU:HD11	1:97:A:PHE:HE2	7	0.28
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE1	7	0.28
(1,487)	1:48:A:LEU:HD12	1:97:A:PHE:HE2	7	0.28
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE1	7	0.28
(1,487)	1:48:A:LEU:HD13	1:97:A:PHE:HE2	7	0.28
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	12	0.28
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	9	0.28
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	9	0.28
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	4	0.28
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	16	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	9	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	9	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	9	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	9	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	9	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	9	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	9	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	9	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	9	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	18	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	18	0.28
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	18	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	18	0.28
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	18	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	18	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	18	0.28
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	18	0.28
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	6	0.28
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	6	0.28
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	6	0.28
(1,400)	1:43:A:MET:HE1	1:44:A:GLN:HA	13	0.28
(1,400)	1:43:A:MET:HE2	1:44:A:GLN:HA	13	0.28
(1,400)	1:43:A:MET:HE3	1:44:A:GLN:HA	13	0.28
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	13	0.28
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	13	0.28
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	10	0.28
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	10	0.28
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	10	0.28
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	10	0.28
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	10	0.28
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	10	0.28
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	10	0.28
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	10	0.28
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	10	0.28
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	12	0.28
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	12	0.28
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	12	0.28
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	3	0.28
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	18	0.28
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	6	0.28
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	6	0.28
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	6	0.28
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	7	0.28
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	7	0.28
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	7	0.28
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	7	0.28
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	7	0.28
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	7	0.28
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	7	0.28
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	7	0.28
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	7	0.28
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	7	0.28
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	7	0.28
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	14	0.28
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	14	0.28
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	14	0.28
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	14	0.28
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	14	0.28
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	14	0.28
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	14	0.28
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	14	0.28
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	14	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	8	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	8	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	8	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	9	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	9	0.28
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	9	0.28
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	7	0.28
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	9	0.28
(1,148)	1:23:A:VAL:H	1:21:A:PRO:HB3	3	0.28
(1,96)	1:20:A:PHE:HD1	1:19:A:LYS:HA	17	0.28
(1,96)	1:20:A:PHE:HD2	1:19:A:LYS:HA	17	0.28
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	1	0.28
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	6	0.28
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	7	0.28
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	14	0.28
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	12	0.28
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	12	0.28
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	12	0.28
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	16	0.28
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	16	0.28
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	18	0.28
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	18	0.28
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	10	0.28
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	15	0.28
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	20	0.28
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	17	0.27
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	4	0.27
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	13	0.27
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	20	0.27
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	18	0.27
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	7	0.27
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	10	0.27
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	12	0.27
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	12	0.27
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	12	0.27
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	12	0.27
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	13	0.27
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	5	0.27
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	5	0.27
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	5	0.27
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	12	0.27
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	12	0.27
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	12	0.27
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	12	0.27
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	17	0.27
(1,2450)	1:226:A:ALA:H	1:227:A:PHE:HA	10	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	6	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	6	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	6	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	16	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	16	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	16	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	19	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	19	0.27
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	19	0.27
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	6	0.27
(1,2443)	1:225:A:GLU:HA	1:226:A:ALA:H	8	0.27
(1,2432)	1:227:A:PHE:H	1:225:A:GLU:HB3	11	0.27
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	4	0.27
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	3	0.27
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	5	0.27
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	2	0.27
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	2	0.27
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	2	0.27
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	2	0.27
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	2	0.27
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	2	0.27
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	16	0.27
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	16	0.27
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	16	0.27
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	16	0.27
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	16	0.27
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	15	0.27
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	15	0.27
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	15	0.27
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	15	0.27
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	15	0.27
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	15	0.27
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	15	0.27
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	15	0.27
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	15	0.27
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	14	0.27
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	14	0.27
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	14	0.27
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	3	0.27
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	13	0.27
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	8	0.27
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	8	0.27
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	16	0.27
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	12	0.27
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	12	0.27
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	12	0.27
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	14	0.27
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	14	0.27
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	14	0.27
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	4	0.27
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	4	0.27
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	4	0.27
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	4	0.27
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	4	0.27
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	4	0.27
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	6	0.27
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	6	0.27
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	6	0.27
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	6	0.27
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	6	0.27
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	6	0.27
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	19	0.27
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	19	0.27
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	19	0.27
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	19	0.27
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	19	0.27
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	19	0.27
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	1	0.27
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	1	0.27
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	11	0.27
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	11	0.27
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	11	0.27
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	9	0.27
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	9	0.27
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	9	0.27
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	19	0.27
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	19	0.27
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	19	0.27
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	4	0.27
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	4	0.27
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	4	0.27
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	5	0.27
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	5	0.27
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	5	0.27
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG2	3	0.27
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG2	3	0.27
(1,1911)	1:171:A:TYR:HD1	1:175:A:ARG:HG3	3	0.27
(1,1911)	1:171:A:TYR:HD2	1:175:A:ARG:HG3	3	0.27
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	8	0.27
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	8	0.27
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	8	0.27
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	16	0.27
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	16	0.27
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	16	0.27
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	16	0.27
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	13	0.27
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	13	0.27
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	13	0.27
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	14	0.27
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	14	0.27
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	14	0.27
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	12	0.27
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	12	0.27
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	12	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	9	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	9	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	9	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	11	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	11	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	16	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	16	0.27
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	16	0.27
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	3	0.27
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	10	0.27
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	15	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	2	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	2	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	2	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	17	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	17	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	17	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	18	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	18	0.27
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	18	0.27
(1,1592)	1:135:A:GLN:H	1:135:A:GLN:HG3	5	0.27
(1,1592)	1:135:A:GLN:H	1:135:A:GLN:HG2	5	0.27
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	9	0.27
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	18	0.27
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	18	0.27
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	18	0.27
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD11	15	0.27
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD12	15	0.27
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD13	15	0.27
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	12	0.27
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	16	0.27
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	5	0.27
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	6	0.27
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	10	0.27
(1,1525)	1:129:A:GLN:HE22	1:129:A:GLN:HG3	16	0.27
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	4	0.27
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	15	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	1	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	1	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	1	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	5	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	5	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	5	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	13	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	13	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	15	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	15	0.27
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	15	0.27
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	20	0.27
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	5	0.27
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	12	0.27
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	14	0.27
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	9	0.27
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	9	0.27
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	9	0.27
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	14	0.27
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	14	0.27
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	14	0.27
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	14	0.27
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	11	0.27
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	16	0.27
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	10	0.27
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	15	0.27
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	16	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	5	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	5	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	5	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	13	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	13	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	13	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG21	20	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG22	20	0.27
(1,962)	1:85:A:GLU:H	1:39:A:VAL:HG23	20	0.27
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	9	0.27
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	9	0.27
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	9	0.27
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	5	0.27
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	5	0.27
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	5	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	11	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	11	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	15	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	15	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	17	0.27
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	17	0.27
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD1	3	0.27
(1,919)	1:82:A:MET:HE1	1:69:A:TYR:HD2	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD1	3	0.27
(1,919)	1:82:A:MET:HE2	1:69:A:TYR:HD2	3	0.27
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD1	3	0.27
(1,919)	1:82:A:MET:HE3	1:69:A:TYR:HD2	3	0.27
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	11	0.27
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	11	0.27
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	11	0.27
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	3	0.27
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	14	0.27
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	5	0.27
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	5	0.27
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	5	0.27
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	18	0.27
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	18	0.27
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	18	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	12	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	12	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	12	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	15	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	15	0.27
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	15	0.27
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	4	0.27
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	4	0.27
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	4	0.27
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	17	0.27
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	17	0.27
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	17	0.27
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	7	0.27
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	7	0.27
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	7	0.27
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	7	0.27
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	7	0.27
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	7	0.27
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	11	0.27
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	11	0.27
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	11	0.27
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	11	0.27
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	11	0.27
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	11	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	2	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	2	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	4	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	4	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	4	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	8	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	8	0.27
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	8	0.27
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	12	0.27
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	15	0.27
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	7	0.27
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	7	0.27
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	6	0.27
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	12	0.27
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	4	0.27
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	4	0.27
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	4	0.27
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	14	0.27
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	14	0.27
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	14	0.27
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	10	0.27
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	10	0.27
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	10	0.27
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	18	0.27
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	18	0.27
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	18	0.27
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	7	0.27
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	7	0.27
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	7	0.27
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	7	0.27
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	7	0.27
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	7	0.27
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	7	0.27
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	7	0.27
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	7	0.27
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	5	0.27
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	4	0.27
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	5	0.27
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	17	0.27
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	19	0.27
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	12	0.27
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	12	0.27
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	12	0.27
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	13	0.27
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	13	0.27
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	1	0.27
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	1	0.27
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	1	0.27
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	14	0.27
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	14	0.27
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	14	0.27
(1,343)	1:37:A:GLY:H	1:38:A:GLN:HE22	18	0.27
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	9	0.27
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	15	0.27
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	15	0.27
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	15	0.27
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	4	0.27
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	17	0.27
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	2	0.27
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	2	0.27
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	2	0.27
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	11	0.27
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	11	0.27
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	11	0.27
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	15	0.27
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	15	0.27
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	15	0.27
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	4	0.27
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	8	0.27
(1,105)	1:20:A:PHE:HB3	1:20:A:PHE:H	17	0.27
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	3	0.27
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	20	0.27
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	20	0.27
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	20	0.27
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	20	0.27
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	17	0.26
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	8	0.26
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	20	0.26
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	1	0.26
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	4	0.26
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	11	0.26
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	19	0.26
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	12	0.26
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	15	0.26
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	20	0.26
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	20	0.26
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	20	0.26
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	13	0.26
(1,2408)	1:225:A:GLU:HG3	1:199:A:LYS:HG2	12	0.26
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	15	0.26
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	15	0.26
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	15	0.26
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	15	0.26
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	19	0.26
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	19	0.26
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	19	0.26
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	19	0.26
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	9	0.26
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	9	0.26
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	9	0.26
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	13	0.26
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	13	0.26
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	13	0.26
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	13	0.26
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	13	0.26
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	13	0.26
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	13	0.26
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	13	0.26
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	13	0.26
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	10	0.26
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	10	0.26
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	10	0.26
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	9	0.26
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	10	0.26
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	15	0.26
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	17	0.26
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	8	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	6	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	6	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	6	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	17	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	17	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	17	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	20	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	20	0.26
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	1	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	1	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	1	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	1	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	4	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	4	0.26
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	4	0.26
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	12	0.26
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	3	0.26
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	3	0.26
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	3	0.26
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	3	0.26
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	3	0.26
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	3	0.26
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	15	0.26
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	15	0.26
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	15	0.26
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	15	0.26
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	15	0.26
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	15	0.26
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	2	0.26
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	2	0.26
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	9	0.26
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	9	0.26
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	12	0.26
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	12	0.26
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	12	0.26
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	17	0.26
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	17	0.26
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	17	0.26
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	6	0.26
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	6	0.26
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	6	0.26
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	15	0.26
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	15	0.26
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	15	0.26
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	10	0.26
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	10	0.26
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	10	0.26
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	15	0.26
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	15	0.26
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	15	0.26
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	5	0.26
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	5	0.26
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	5	0.26
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	12	0.26
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	12	0.26
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	12	0.26
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	18	0.26
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	18	0.26
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	18	0.26
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	4	0.26
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	5	0.26
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	17	0.26
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	17	0.26
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	17	0.26
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	12	0.26
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	12	0.26
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	12	0.26
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	3	0.26
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	3	0.26
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	3	0.26
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	3	0.26
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	3	0.26
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	3	0.26
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	3	0.26
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	3	0.26
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	3	0.26
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	17	0.26
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	17	0.26
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	17	0.26
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	17	0.26
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	17	0.26
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	17	0.26
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	17	0.26
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	17	0.26
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	17	0.26
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	9	0.26
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	9	0.26
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	9	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	8	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	8	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	12	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	12	0.26
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	12	0.26
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	6	0.26
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	6	0.26
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	6	0.26
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	2	0.26
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	11	0.26
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	17	0.26
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	15	0.26
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	15	0.26
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	15	0.26
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	9	0.26
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	9	0.26
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	9	0.26
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	9	0.26
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	9	0.26
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	9	0.26
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	6	0.26
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG3	5	0.26
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG2	5	0.26
(1,1568)	1:134:A:LYS:H	1:136:A:GLY:H	11	0.26
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	12	0.26
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	18	0.26
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	17	0.26
(1,1470)	1:125:A:GLU:HA	1:129:A:GLN:H	1	0.26
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	7	0.26
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	7	0.26
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	7	0.26
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	7	0.26
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	7	0.26
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	7	0.26
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	7	0.26
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	7	0.26
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	7	0.26
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	4	0.26
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	5	0.26
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	8	0.26
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	11	0.26
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	1	0.26
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	1	0.26
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD11	18	0.26
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD12	18	0.26
(1,1397)	1:117:A:TYR:H	1:120:A:LEU:HD13	18	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	4	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	4	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	4	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	4	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	4	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	4	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	13	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	13	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	13	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	13	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	13	0.26
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	13	0.26
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	17	0.26
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	19	0.26
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	20	0.26
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	9	0.26
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	20	0.26
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	1	0.26
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	1	0.26
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	1	0.26
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD11	16	0.26
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD12	16	0.26
(1,1271)	1:113:A:ILE:H	1:113:A:ILE:HD13	16	0.26
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	4	0.26
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	4	0.26
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	4	0.26
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	11	0.26
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	17	0.26
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	16	0.26
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	16	0.26
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	16	0.26
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	3	0.26
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	3	0.26
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	3	0.26
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	4	0.26
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	4	0.26
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	4	0.26
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	17	0.26
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	17	0.26
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	15	0.26
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	15	0.26
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	15	0.26
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	6	0.26
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	14	0.26
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	5	0.26
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	14	0.26
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	14	0.26
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	16	0.26
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	16	0.26
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	12	0.26
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	12	0.26
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	12	0.26
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	13	0.26
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	13	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	3	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	3	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	3	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	15	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	15	0.26
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	15	0.26
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	9	0.26
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	9	0.26
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	9	0.26
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	9	0.26
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	9	0.26
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	9	0.26
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	1	0.26
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	1	0.26
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	1	0.26
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	12	0.26
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	13	0.26
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	2	0.26
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	2	0.26
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	2	0.26
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	15	0.26
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	7	0.26
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	7	0.26
(1,726)	1:70:A:LYS:H	1:68:A:LYS:HE2	11	0.26
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	15	0.26
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	11	0.26
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	11	0.26
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	11	0.26
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	11	0.26
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	20	0.26
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	20	0.26
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	20	0.26
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	16	0.26
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	19	0.26
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	6	0.26
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	6	0.26
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	6	0.26
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	15	0.26
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	15	0.26
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	15	0.26
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	3	0.26
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	3	0.26
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	18	0.26
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	18	0.26
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	19	0.26
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	19	0.26
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	19	0.26
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	3	0.26
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	3	0.26
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	3	0.26
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	5	0.26
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	5	0.26
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	5	0.26
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE1	16	0.26
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE2	16	0.26
(1,578)	1:56:A:TYR:HD1	1:82:A:MET:HE3	16	0.26
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE1	16	0.26
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE2	16	0.26
(1,578)	1:56:A:TYR:HD2	1:82:A:MET:HE3	16	0.26
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	4	0.26
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	4	0.26
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	4	0.26
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	8	0.26
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	8	0.26
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	8	0.26
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	16	0.26
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	16	0.26
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	16	0.26
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	16	0.26
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	14	0.26
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	5	0.26
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	5	0.26
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	5	0.26
(1,449)	1:46:A:GLU:HG2	1:47:A:LYS:H	5	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	6	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	6	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	6	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	6	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	6	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	6	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	6	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	6	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	6	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	10	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	10	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	10	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	10	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	10	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	10	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	10	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	10	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	10	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	19	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	19	0.26
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	19	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	19	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	19	0.26
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	19	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	19	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	19	0.26
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	19	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	6	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	6	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	6	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	13	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	13	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	13	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	14	0.26
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	14	0.26
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	1	0.26
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	1	0.26
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	1	0.26
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	4	0.26
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	4	0.26
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	4	0.26
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	1	0.26
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	1	0.26
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	1	0.26
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	11	0.26
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	11	0.26
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	11	0.26
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE1	4	0.26
(1,386)	1:82:A:MET:H	1:41:A:PHE:HE2	4	0.26
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	2	0.26
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	2	0.26
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	2	0.26
(1,318)	1:34:A:LEU:HB2	1:40:A:ARG:HH12	17	0.26
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	12	0.26
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	12	0.26
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	12	0.26
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	14	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	9	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	9	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	9	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	15	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	15	0.26
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	15	0.26
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	2	0.26
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	2	0.26
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	2	0.26
(1,235)	1:29:A:LEU:HD21	1:109:A:THR:HA	18	0.26
(1,235)	1:29:A:LEU:HD22	1:109:A:THR:HA	18	0.26
(1,235)	1:29:A:LEU:HD23	1:109:A:THR:HA	18	0.26
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	17	0.26
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	17	0.26
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	17	0.26
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	17	0.26
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	17	0.26
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	17	0.26
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	17	0.26
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	17	0.26
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	1	0.26
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	1	0.26
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	1	0.26
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	15	0.26
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	18	0.26
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG21	6	0.26
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG22	6	0.26
(1,143)	1:22:A:THR:H	1:23:A:VAL:HG23	6	0.26
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	2	0.26
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	2	0.26
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	2	0.26
(1,97)	1:20:A:PHE:H	1:19:A:LYS:HA	4	0.26
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	13	0.26
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	13	0.26
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	20	0.26
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	20	0.26
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	13	0.26
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	20	0.26
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	20	0.26
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	20	0.26
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	8	0.26
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB2	5	0.26
(1,26)	1:9:A:LYS:H	1:8:A:MET:HB3	5	0.26
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	3	0.26
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	3	0.26
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	8	0.26
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	11	0.25
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	17	0.25
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	12	0.25
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	9	0.25
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	13	0.25
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	2	0.25
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	3	0.25
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	5	0.25
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	7	0.25
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	7	0.25
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	7	0.25
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	13	0.25
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	13	0.25
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	14	0.25
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	17	0.25
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	10	0.25
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	1	0.25
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	1	0.25
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	1	0.25
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	17	0.25
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	17	0.25
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	17	0.25
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	6	0.25
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	6	0.25
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	6	0.25
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	6	0.25
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	6	0.25
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	2	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	3	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	3	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	3	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	3	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	3	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	3	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	9	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	9	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	9	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	9	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	9	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	9	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	10	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	10	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	10	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	10	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	10	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	10	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	20	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	20	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	20	0.25
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	20	0.25
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	20	0.25
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	20	0.25
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	8	0.25
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	8	0.25
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	11	0.25
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	11	0.25
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	11	0.25
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	9	0.25
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	9	0.25
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	9	0.25
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	9	0.25
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	9	0.25
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	9	0.25
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	9	0.25
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	9	0.25
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	9	0.25
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	6	0.25
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	6	0.25
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	6	0.25
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	1	0.25
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	7	0.25
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	11	0.25
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	12	0.25
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	18	0.25
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	20	0.25
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	10	0.25
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	7	0.25
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	7	0.25
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	7	0.25
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	7	0.25
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	7	0.25
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	7	0.25
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	13	0.25
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	13	0.25
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	13	0.25
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	19	0.25
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	19	0.25
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	19	0.25
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	12	0.25
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	18	0.25
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	18	0.25
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	18	0.25
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	1	0.25
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	1	0.25
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	1	0.25
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	1	0.25
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	1	0.25
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	18	0.25
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	18	0.25
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	18	0.25
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	16	0.25
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	16	0.25
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	16	0.25
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	5	0.25
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	5	0.25
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	5	0.25
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	11	0.25
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	11	0.25
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	11	0.25
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	19	0.25
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	19	0.25
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	19	0.25
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	6	0.25
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	6	0.25
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	6	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	10	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	10	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	10	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	12	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	12	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	12	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	14	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	14	0.25
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	14	0.25
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	1	0.25
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	6	0.25
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	15	0.25
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	6	0.25
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	6	0.25
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	7	0.25
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	7	0.25
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD1	17	0.25
(1,1914)	1:206:A:GLU:H	1:171:A:TYR:HD2	17	0.25
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	15	0.25
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	15	0.25
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	17	0.25
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	17	0.25
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	17	0.25
(1,1866)	1:189:A:ILE:HG21	1:167:A:HIS:HB3	13	0.25
(1,1866)	1:189:A:ILE:HG22	1:167:A:HIS:HB3	13	0.25
(1,1866)	1:189:A:ILE:HG23	1:167:A:HIS:HB3	13	0.25
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	11	0.25
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD11	7	0.25
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD12	7	0.25
(1,1771)	1:153:A:VAL:H	1:194:A:ILE:HD13	7	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	16	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	16	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	16	0.25
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	16	0.25
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	16	0.25
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	16	0.25
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	16	0.25
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	16	0.25
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	16	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	20	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	20	0.25
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	20	0.25
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	20	0.25
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	20	0.25
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	20	0.25
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	20	0.25
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	20	0.25
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	20	0.25
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	20	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	3	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	3	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	3	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	7	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	7	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	7	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	19	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	19	0.25
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	19	0.25
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	7	0.25
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	7	0.25
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	7	0.25
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	15	0.25
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	15	0.25
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	12	0.25
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	12	0.25
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	12	0.25
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD1	2	0.25
(1,1624)	1:219:A:ARG:H	1:142:A:TYR:HD2	2	0.25
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	13	0.25
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	17	0.25
(1,1568)	1:134:A:LYS:H	1:136:A:GLY:H	8	0.25
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	20	0.25
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	20	0.25
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	20	0.25
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	5	0.25
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	12	0.25
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	11	0.25
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	11	0.25
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	8	0.25
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	19	0.25
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	20	0.25
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	12	0.25
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	12	0.25
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	12	0.25
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	12	0.25
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	12	0.25
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	12	0.25
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	12	0.25
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	12	0.25
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	12	0.25
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	1	0.25
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	1	0.25
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	1	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	1	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	6	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	9	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	10	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	12	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	13	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	14	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	15	0.25
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	16	0.25
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	3	0.25
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	3	0.25
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	3	0.25
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	3	0.25
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	3	0.25
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	3	0.25
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	5	0.25
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	5	0.25
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	5	0.25
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	6	0.25
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	6	0.25
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	6	0.25
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	13	0.25
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	13	0.25
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	13	0.25
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	17	0.25
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	17	0.25
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	17	0.25
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	1	0.25
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	19	0.25
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	7	0.25
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	7	0.25
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	7	0.25
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	3	0.25
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	3	0.25
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	3	0.25
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	20	0.25
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	20	0.25
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	20	0.25
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	3	0.25
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	6	0.25
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	16	0.25
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	2	0.25
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	2	0.25
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	2	0.25
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	6	0.25
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	6	0.25
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	6	0.25
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	9	0.25
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	9	0.25
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	9	0.25
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	8	0.25
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	13	0.25
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	10	0.25
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	10	0.25
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	10	0.25
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	10	0.25
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	5	0.25
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	5	0.25
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	5	0.25
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	5	0.25
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	5	0.25
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	5	0.25
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	5	0.25
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	5	0.25
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	5	0.25
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	14	0.25
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	14	0.25
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	14	0.25
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	9	0.25
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	14	0.25
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	5	0.25
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	11	0.25
(1,1071)	1:55:A:SER:HB2	1:98:A:GLN:HB2	17	0.25
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	12	0.25
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	12	0.25
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	9	0.25
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	9	0.25
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	19	0.25
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	19	0.25
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	19	0.25
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	17	0.25
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	17	0.25
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	17	0.25
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	17	0.25
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	17	0.25
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	17	0.25
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	17	0.25
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	17	0.25
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	17	0.25
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	5	0.25
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	5	0.25
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	2	0.25
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	2	0.25
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	2	0.25
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	2	0.25
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	2	0.25
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	2	0.25
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	5	0.25
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	8	0.25
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	19	0.25
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	3	0.25
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	10	0.25
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	10	0.25
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	10	0.25
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	12	0.25
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	12	0.25
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	12	0.25
(1,793)	1:82:A:MET:H	1:72:A:HIS:HA	5	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	2	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	2	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	2	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	9	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	9	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	9	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	14	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	14	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	14	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	15	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	15	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	15	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	16	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	16	0.25
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	16	0.25
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE1	2	0.25
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE2	2	0.25
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE3	2	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	2	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	2	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	2	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	2	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	2	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	2	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	3	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	3	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	3	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	3	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	3	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	4	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	4	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	4	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	4	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	4	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	4	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	9	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	9	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	9	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	9	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	9	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	9	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	15	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	15	0.25
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	15	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	15	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	15	0.25
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	15	0.25
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	17	0.25
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	10	0.25
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	10	0.25
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	12	0.25
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	12	0.25
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	12	0.25
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	18	0.25
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	18	0.25
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	18	0.25
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	3	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	2	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	2	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	2	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	4	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	4	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	4	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	15	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	15	0.25
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	1	0.25
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	1	0.25
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	4	0.25
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	1	0.25
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	1	0.25
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	1	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	1	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	1	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	1	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	6	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	6	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	6	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	12	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	12	0.25
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	12	0.25
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	7	0.25
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	7	0.25
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	7	0.25
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	7	0.25
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	19	0.25
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	6	0.25
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	6	0.25
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	14	0.25
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	14	0.25
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	14	0.25
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	1	0.25
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	13	0.25
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	20	0.25
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	20	0.25
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	20	0.25
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	19	0.25
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	19	0.25
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	16	0.25
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	16	0.25
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	16	0.25
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	16	0.25
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	16	0.25
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	16	0.25
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	16	0.25
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	16	0.25
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	16	0.25
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	17	0.25
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	17	0.25
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	17	0.25
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	17	0.25
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	17	0.25
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	17	0.25
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	17	0.25
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	17	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	4	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	4	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	4	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	9	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	9	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	9	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	10	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	10	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	10	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	19	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	19	0.25
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	19	0.25
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	3	0.25
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	3	0.25
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	3	0.25
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	9	0.25
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	9	0.25
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	9	0.25
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE1	5	0.25
(1,383)	1:59:A:ASN:H	1:41:A:PHE:HE2	5	0.25
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	7	0.25
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	7	0.25
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	7	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	2	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	2	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	2	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	13	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	13	0.25
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	13	0.25
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	8	0.25
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	16	0.25
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	16	0.25
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	16	0.25
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	15	0.25
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	15	0.25
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	15	0.25
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	15	0.25
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	15	0.25
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	15	0.25
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	15	0.25
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	15	0.25
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	11	0.25
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	5	0.25
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	9	0.25
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	9	0.25
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	9	0.25
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	16	0.25
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	16	0.25
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	16	0.25
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	19	0.25
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	19	0.25
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	19	0.25
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	9	0.25
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	19	0.25
(1,39)	1:11:A:LEU:H	1:8:A:MET:HA	19	0.25
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	4	0.25
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	4	0.25
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	4	0.25
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	16	0.25
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	16	0.25
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	2	0.24
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	9	0.24
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	6	0.24
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	15	0.24
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	2	0.24
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	8	0.24
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	17	0.24
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	10	0.24
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	14	0.24
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	17	0.24
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	18	0.24
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	4	0.24
(1,2521)	1:230:A:LEU:H	1:229:A:ASP:HB2	8	0.24
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	16	0.24
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	1	0.24
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	16	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	2	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	2	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	2	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	11	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	11	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	11	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	16	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	16	0.24
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	16	0.24
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	3	0.24
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	10	0.24
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	18	0.24
(1,2481)	1:229:A:ASP:H	1:227:A:PHE:HB3	20	0.24
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	12	0.24
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	12	0.24
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	13	0.24
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	13	0.24
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	4	0.24
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	4	0.24
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	4	0.24
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	9	0.24
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	9	0.24
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	9	0.24
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	14	0.24
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	18	0.24
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	10	0.24
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	10	0.24
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	10	0.24
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	10	0.24
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	18	0.24
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	18	0.24
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	18	0.24
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	18	0.24
(1,2400)	1:225:A:GLU:H	1:224:A:ASP:HB2	11	0.24
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	13	0.24
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	7	0.24
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	7	0.24
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	7	0.24
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	7	0.24
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	7	0.24
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	19	0.24
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	14	0.24
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	16	0.24
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	19	0.24
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	19	0.24
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	9	0.24
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	9	0.24
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	9	0.24
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	10	0.24
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	10	0.24
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	10	0.24
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	12	0.24
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	12	0.24
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	12	0.24
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	2	0.24
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	8	0.24
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	8	0.24
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	19	0.24
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	19	0.24
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	13	0.24
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	7	0.24
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	7	0.24
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	7	0.24
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	10	0.24
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	10	0.24
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	10	0.24
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	18	0.24
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	18	0.24
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	18	0.24
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	11	0.24
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	11	0.24
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	11	0.24
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	13	0.24
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	13	0.24
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	13	0.24
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	5	0.24
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	5	0.24
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	5	0.24
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	12	0.24
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	12	0.24
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	7	0.24
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	7	0.24
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	7	0.24
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	10	0.24
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	10	0.24
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	16	0.24
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	16	0.24
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	16	0.24
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	3	0.24
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	3	0.24
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	3	0.24
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	19	0.24
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	19	0.24
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	19	0.24
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	2	0.24
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	2	0.24
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	2	0.24
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	2	0.24
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	2	0.24
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	2	0.24
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	2	0.24
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	2	0.24
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	2	0.24
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	19	0.24
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	19	0.24
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	19	0.24
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	19	0.24
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	19	0.24
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	19	0.24
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	19	0.24
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	19	0.24
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	19	0.24
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	3	0.24
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	3	0.24
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	3	0.24
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	11	0.24
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	11	0.24
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	11	0.24
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG21	6	0.24
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG22	6	0.24
(1,1744)	1:145:A:TRP:HD1	1:153:A:VAL:HG23	6	0.24
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	9	0.24
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	1	0.24
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	1	0.24
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	1	0.24
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	4	0.24
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	4	0.24
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	4	0.24
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	16	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	3	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	3	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	3	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	6	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	6	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	6	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	19	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	19	0.24
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	19	0.24
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG21	6	0.24
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG22	6	0.24
(1,1684)	1:153:A:VAL:HA	1:148:A:THR:HG23	6	0.24
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD11	16	0.24
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD12	16	0.24
(1,1607)	1:141:A:GLU:HG3	1:209:A:LEU:HD13	16	0.24
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	20	0.24
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	20	0.24
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	4	0.24
(1,1572)	1:135:A:GLN:HE22	1:131:A:TRP:HZ2	20	0.24
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	3	0.24
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	3	0.24
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	3	0.24
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG2	1	0.24
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG2	1	0.24
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG2	1	0.24
(1,1559)	1:132:A:ILE:HD11	1:133:A:ARG:HG3	1	0.24
(1,1559)	1:132:A:ILE:HD12	1:133:A:ARG:HG3	1	0.24
(1,1559)	1:132:A:ILE:HD13	1:133:A:ARG:HG3	1	0.24
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	3	0.24
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	8	0.24
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	1	0.24
(1,1464)	1:121:A:GLN:H	1:125:A:GLU:HB2	11	0.24
(1,1464)	1:121:A:GLN:H	1:125:A:GLU:HB3	11	0.24
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	7	0.24
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	17	0.24
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	18	0.24
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	19	0.24
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	17	0.24
(1,1345)	1:117:A:TYR:HB3	1:118:A:LYS:HA	1	0.24
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	16	0.24
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	16	0.24
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	16	0.24
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	5	0.24
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	14	0.24
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	14	0.24
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	14	0.24
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	5	0.24
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	13	0.24
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	18	0.24
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	1	0.24
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	10	0.24
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	13	0.24
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	18	0.24
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	18	0.24
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	18	0.24
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	18	0.24
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	18	0.24
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	18	0.24
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	12	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	2	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	4	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	5	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	6	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	7	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	8	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	9	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	12	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	13	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	14	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	16	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	17	0.24
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	18	0.24
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	6	0.24
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	6	0.24
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	10	0.24
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	10	0.24
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	10	0.24
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	15	0.24
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	15	0.24
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	15	0.24
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	15	0.24
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	15	0.24
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	15	0.24
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	3	0.24
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	3	0.24
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	3	0.24
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	6	0.24
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	6	0.24
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	6	0.24
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	2	0.24
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	8	0.24
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	2	0.24
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	6	0.24
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	15	0.24
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	17	0.24
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	20	0.24
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	6	0.24
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	1	0.24
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	1	0.24
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	16	0.24
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	16	0.24
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	16	0.24
(1,987)	1:88:A:GLN:H	1:86:A:LYS:HD2	12	0.24
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	3	0.24
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	3	0.24
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	3	0.24
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	20	0.24
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	20	0.24
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	20	0.24
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	4	0.24
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	4	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	4	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	4	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	4	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	18	0.24
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	18	0.24
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	2	0.24
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	2	0.24
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	2	0.24
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	2	0.24
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	2	0.24
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	2	0.24
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	2	0.24
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	2	0.24
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	2	0.24
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	12	0.24
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	12	0.24
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	12	0.24
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	12	0.24
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	12	0.24
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	12	0.24
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	12	0.24
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	12	0.24
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	12	0.24
(1,916)	1:82:A:MET:HE1	1:41:A:PHE:HB3	4	0.24
(1,916)	1:82:A:MET:HE2	1:41:A:PHE:HB3	4	0.24
(1,916)	1:82:A:MET:HE3	1:41:A:PHE:HB3	4	0.24
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	19	0.24
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	19	0.24
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	19	0.24
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	19	0.24
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	19	0.24
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	19	0.24
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	1	0.24
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	10	0.24
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	20	0.24
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	4	0.24
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	4	0.24
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	4	0.24
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	4	0.24
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	7	0.24
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	7	0.24
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	7	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	7	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	7	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	7	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	8	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	8	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	18	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	18	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	18	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	19	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	19	0.24
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	19	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	6	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	6	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	6	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	6	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	6	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	6	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	13	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	13	0.24
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	13	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	13	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	13	0.24
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	13	0.24
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	2	0.24
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	3	0.24
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	5	0.24
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	5	0.24
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	5	0.24
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	8	0.24
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	8	0.24
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	12	0.24
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	12	0.24
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	15	0.24
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	15	0.24
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	15	0.24
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	5	0.24
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	9	0.24
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	11	0.24
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	14	0.24
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	9	0.24
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	9	0.24
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	9	0.24
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	14	0.24
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	2	0.24
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	2	0.24
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	18	0.24
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	18	0.24
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	18	0.24
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	6	0.24
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	6	0.24
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	6	0.24
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	3	0.24
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	3	0.24
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	3	0.24
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	20	0.24
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	20	0.24
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	20	0.24
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	6	0.24
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	6	0.24
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	6	0.24
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	6	0.24
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	6	0.24
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	6	0.24
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	6	0.24
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	6	0.24
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	6	0.24
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	13	0.24
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	13	0.24
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	14	0.24
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	14	0.24
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	14	0.24
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	14	0.24
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	14	0.24
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	14	0.24
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	14	0.24
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	14	0.24
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	14	0.24
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	14	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	11	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	11	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	11	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	12	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	12	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	12	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	15	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	15	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	17	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	17	0.24
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	17	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	2	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	2	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	2	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	4	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	4	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	4	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	9	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	9	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	9	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	12	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	12	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	12	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	13	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	13	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	13	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	16	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	16	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	16	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	18	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	18	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	18	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	19	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	19	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	19	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	20	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	20	0.24
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	20	0.24
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	7	0.24
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	7	0.24
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	7	0.24
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	7	0.24
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	7	0.24
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	7	0.24
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	7	0.24
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	7	0.24
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	7	0.24
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	9	0.24
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	9	0.24
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	4	0.24
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	5	0.24
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	5	0.24
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	5	0.24
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	6	0.24
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	6	0.24
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	6	0.24
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB1	8	0.24
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB2	8	0.24
(1,242)	1:21:A:PRO:HG3	1:30:A:ALA:HB3	8	0.24
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	9	0.24
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	9	0.24
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	9	0.24
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	9	0.24
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	9	0.24
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	9	0.24
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	9	0.24
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	9	0.24
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	9	0.24
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	6	0.24
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	6	0.24
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	6	0.24
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	12	0.24
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	12	0.24
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	12	0.24
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	2	0.24
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	3	0.24
(1,180)	1:25:A:THR:HB	1:26:A:LYS:HB3	20	0.24
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	14	0.24
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	14	0.24
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	14	0.24
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	18	0.24
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	18	0.24
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	18	0.24
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	18	0.24
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	4	0.24
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	6	0.24
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	7	0.24
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	3	0.24
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	3	0.24
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	5	0.24
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	11	0.24
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	15	0.23
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	12	0.23
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	9	0.23
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	12	0.23
(2,100)	1:127:A:GLN:N	1:123:A:GLU:O	13	0.23
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	4	0.23
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	3	0.23
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	17	0.23
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	12	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	4	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	7	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	8	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	9	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	12	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	15	0.23
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	20	0.23
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	5	0.23
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	20	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	4	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	4	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	4	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	6	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	6	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	6	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	10	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	10	0.23
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	10	0.23
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	2	0.23
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	2	0.23
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	5	0.23
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	5	0.23
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	20	0.23
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	20	0.23
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD1	11	0.23
(1,2460)	1:226:A:ALA:HA	1:227:A:PHE:HD2	11	0.23
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	12	0.23
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	12	0.23
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	12	0.23
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	14	0.23
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	14	0.23
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	1	0.23
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	1	0.23
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	1	0.23
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	1	0.23
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	20	0.23
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	20	0.23
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	20	0.23
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	20	0.23
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	1	0.23
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	17	0.23
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	6	0.23
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	6	0.23
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	6	0.23
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	6	0.23
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	6	0.23
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	6	0.23
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	16	0.23
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	16	0.23
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	16	0.23
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	16	0.23
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	16	0.23
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	16	0.23
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	9	0.23
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	9	0.23
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	9	0.23
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	9	0.23
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	9	0.23
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	9	0.23
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD21	1	0.23
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD22	1	0.23
(1,2371)	1:223:A:VAL:HG11	1:222:A:LEU:HD23	1	0.23
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD21	1	0.23
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD22	1	0.23
(1,2371)	1:223:A:VAL:HG12	1:222:A:LEU:HD23	1	0.23
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD21	1	0.23
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD22	1	0.23
(1,2371)	1:223:A:VAL:HG13	1:222:A:LEU:HD23	1	0.23
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	4	0.23
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	8	0.23
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	1	0.23
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	1	0.23
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	9	0.23
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	9	0.23
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	9	0.23
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	7	0.23
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	7	0.23
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	2	0.23
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	10	0.23
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	10	0.23
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	10	0.23
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	10	0.23
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	10	0.23
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	10	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	6	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	6	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	6	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	9	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	9	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	9	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	10	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	10	0.23
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	10	0.23
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	3	0.23
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	3	0.23
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	3	0.23
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	11	0.23
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	11	0.23
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	11	0.23
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	11	0.23
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	11	0.23
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	11	0.23
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	6	0.23
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	6	0.23
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	6	0.23
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	8	0.23
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	8	0.23
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	8	0.23
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	17	0.23
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	17	0.23
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	17	0.23
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	4	0.23
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	4	0.23
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	14	0.23
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	14	0.23
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	14	0.23
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	12	0.23
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	12	0.23
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	12	0.23
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	3	0.23
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	3	0.23
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	3	0.23
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	18	0.23
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	18	0.23
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	18	0.23
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	1	0.23
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	1	0.23
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	1	0.23
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	11	0.23
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	11	0.23
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	11	0.23
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	9	0.23
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	9	0.23
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	9	0.23
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	18	0.23
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	1	0.23
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	1	0.23
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	1	0.23
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	4	0.23
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	4	0.23
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	4	0.23
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	13	0.23
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	13	0.23
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	13	0.23
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	14	0.23
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	14	0.23
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	14	0.23
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	20	0.23
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	20	0.23
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	20	0.23
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	1	0.23
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	9	0.23
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	8	0.23
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	8	0.23
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	8	0.23
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	8	0.23
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	8	0.23
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	8	0.23
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	8	0.23
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	8	0.23
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	12	0.23
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	12	0.23
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	12	0.23
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	12	0.23
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	12	0.23
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	12	0.23
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	12	0.23
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	12	0.23
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	12	0.23
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	2	0.23
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	6	0.23
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	10	0.23
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	1	0.23
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	1	0.23
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	1	0.23
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	19	0.23
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	19	0.23
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	19	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	4	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	4	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	4	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	4	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	4	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	4	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	4	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	4	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	4	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	8	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	8	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	8	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	8	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	8	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	8	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	8	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	8	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	18	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	18	0.23
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	18	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	18	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	18	0.23
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	18	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	18	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	18	0.23
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	18	0.23
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	8	0.23
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	8	0.23
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	8	0.23
(1,1583)	1:135:A:GLN:HE21	1:135:A:GLN:HB3	15	0.23
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	6	0.23
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	15	0.23
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	15	0.23
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	15	0.23
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	12	0.23
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	14	0.23
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	14	0.23
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	20	0.23
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	20	0.23
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	3	0.23
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	3	0.23
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	10	0.23
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	10	0.23
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	10	0.23
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	10	0.23
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	10	0.23
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	10	0.23
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	10	0.23
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	10	0.23
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	10	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	6	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	6	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	6	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	6	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	6	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	6	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	16	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	16	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	16	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	16	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	16	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	17	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	17	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	17	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	17	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	17	0.23
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	17	0.23
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	20	0.23
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	20	0.23
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	20	0.23
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	12	0.23
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	12	0.23
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	12	0.23
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	11	0.23
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	11	0.23
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	11	0.23
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	10	0.23
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	10	0.23
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	10	0.23
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	11	0.23
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	1	0.23
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	1	0.23
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	1	0.23
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	18	0.23
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	18	0.23
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	18	0.23
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	5	0.23
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	9	0.23
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	15	0.23
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	18	0.23
(1,1210)	1:109:A:THR:HG21	1:95:A:TYR:HA	13	0.23
(1,1210)	1:109:A:THR:HG22	1:95:A:TYR:HA	13	0.23
(1,1210)	1:109:A:THR:HG23	1:95:A:TYR:HA	13	0.23
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	19	0.23
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	1	0.23
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	3	0.23
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	11	0.23
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	15	0.23
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1156)	1:103:A:LYS:HG3	1:103:A:LYS:HB3	20	0.23
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	5	0.23
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	5	0.23
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	5	0.23
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	13	0.23
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	13	0.23
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	13	0.23
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	13	0.23
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	13	0.23
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	13	0.23
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	19	0.23
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	19	0.23
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	19	0.23
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	19	0.23
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	19	0.23
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	19	0.23
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	20	0.23
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	20	0.23
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	20	0.23
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	20	0.23
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	20	0.23
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	20	0.23
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	11	0.23
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	11	0.23
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	11	0.23
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	12	0.23
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	12	0.23
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	12	0.23
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	19	0.23
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	19	0.23
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	19	0.23
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	3	0.23
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	8	0.23
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	4	0.23
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	7	0.23
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	3	0.23
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	17	0.23
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	8	0.23
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	13	0.23
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	10	0.23
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	10	0.23
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	9	0.23
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	9	0.23
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	9	0.23
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	9	0.23
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	9	0.23
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	10	0.23
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	10	0.23
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	10	0.23
(1,852)	1:77:A:THR:H	1:78:A:GLY:HA2	13	0.23
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	12	0.23
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	3	0.23
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	18	0.23
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	20	0.23
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	20	0.23
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	20	0.23
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	1	0.23
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	1	0.23
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	1	0.23
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	11	0.23
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	11	0.23
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	11	0.23
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	18	0.23
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	18	0.23
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	18	0.23
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	10	0.23
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	10	0.23
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	10	0.23
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	10	0.23
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	10	0.23
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	10	0.23
(1,712)	1:64:A:PHE:H	1:68:A:LYS:HE3	2	0.23
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	8	0.23
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	18	0.23
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	17	0.23
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	17	0.23
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	17	0.23
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	10	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	5	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	5	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	5	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	10	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	10	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	14	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	14	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	14	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	20	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	20	0.23
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	20	0.23
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	2	0.23
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	2	0.23
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	2	0.23
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	19	0.23
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	19	0.23
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	19	0.23
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	11	0.23
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	11	0.23
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	3	0.23
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	20	0.23
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	11	0.23
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	11	0.23
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	11	0.23
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	11	0.23
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	11	0.23
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	11	0.23
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD11	20	0.23
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD12	20	0.23
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD13	20	0.23
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD11	20	0.23
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD12	20	0.23
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD13	20	0.23
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD11	20	0.23
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD12	20	0.23
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD13	20	0.23
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	10	0.23
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	10	0.23
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	10	0.23
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	9	0.23
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	9	0.23
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	9	0.23
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	15	0.23
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	1	0.23
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	1	0.23
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB2	6	0.23
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB3	6	0.23
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	10	0.23
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	12	0.23
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	20	0.23
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	11	0.23
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	19	0.23
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	19	0.23
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	19	0.23
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	3	0.23
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	3	0.23
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	6	0.23
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	6	0.23
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	15	0.23
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	15	0.23
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	15	0.23
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	12	0.23
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	12	0.23
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	12	0.23
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	12	0.23
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	12	0.23
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	12	0.23
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	12	0.23
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	12	0.23
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	12	0.23
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	13	0.23
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	13	0.23
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	13	0.23
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	13	0.23
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	13	0.23
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	13	0.23
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	13	0.23
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	13	0.23
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	13	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	12	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	12	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	12	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	18	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	18	0.23
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	18	0.23
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	7	0.23
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	7	0.23
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	19	0.23
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	19	0.23
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	19	0.23
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	7	0.23
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	7	0.23
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	7	0.23
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	17	0.23
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	17	0.23
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	17	0.23
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	17	0.23
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	17	0.23
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	17	0.23
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	17	0.23
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	17	0.23
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	17	0.23
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	17	0.23
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	19	0.23
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	20	0.23
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	20	0.23
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	20	0.23
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	20	0.23
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	20	0.23
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	20	0.23
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	17	0.23
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	11	0.23
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	11	0.23
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	11	0.23
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	5	0.23
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	5	0.23
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	5	0.23
(1,97)	1:20:A:PHE:H	1:19:A:LYS:HA	2	0.23
(1,82)	1:15:A:SER:H	1:14:A:LEU:HA	16	0.23
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	5	0.23
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	5	0.23
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	5	0.23
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	17	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	5	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	5	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	5	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	9	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	9	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	16	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	16	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	16	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	18	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	18	0.23
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	18	0.23
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	14	0.23
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	20	0.23
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	4	0.23
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	4	0.23
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	9	0.23
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	9	0.23
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	6	0.23
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	17	0.23
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	7	0.22
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	5	0.22
(2,141)	1:207:A:VAL:H	1:218:A:SER:O	19	0.22
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	11	0.22
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	14	0.22
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	20	0.22
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	7	0.22
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	19	0.22
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	17	0.22
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	9	0.22
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	9	0.22
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	9	0.22
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	1	0.22
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	19	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	1	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	1	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	3	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	3	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	4	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	4	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	6	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	6	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	16	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	16	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	17	0.22
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	17	0.22
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	18	0.22
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	5	0.22
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	5	0.22
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	5	0.22
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	14	0.22
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	14	0.22
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	14	0.22
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB1	8	0.22
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB2	8	0.22
(1,2444)	1:225:A:GLU:H	1:226:A:ALA:HB3	8	0.22
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	12	0.22
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	19	0.22
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	8	0.22
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	8	0.22
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	8	0.22
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	8	0.22
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	13	0.22
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	13	0.22
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	13	0.22
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	13	0.22
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	8	0.22
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	8	0.22
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	8	0.22
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	8	0.22
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	8	0.22
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	8	0.22
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	8	0.22
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	8	0.22
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	8	0.22
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	8	0.22
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	8	0.22
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	8	0.22
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	3	0.22
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	3	0.22
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	3	0.22
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	5	0.22
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	8	0.22
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	8	0.22
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	8	0.22
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	4	0.22
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	13	0.22
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	13	0.22
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	3	0.22
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	3	0.22
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	3	0.22
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	18	0.22
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	18	0.22
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	18	0.22
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	5	0.22
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	5	0.22
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	5	0.22
(1,2164)	1:203:A:GLY:H	1:222:A:LEU:HA	3	0.22
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	4	0.22
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	1	0.22
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	14	0.22
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	3	0.22
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	3	0.22
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	3	0.22
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	15	0.22
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	15	0.22
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	15	0.22
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	2	0.22
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	2	0.22
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	2	0.22
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	15	0.22
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	15	0.22
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	15	0.22
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	8	0.22
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	8	0.22
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	8	0.22
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	20	0.22
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	20	0.22
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	20	0.22
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	17	0.22
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	17	0.22
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	17	0.22
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	14	0.22
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	14	0.22
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	14	0.22
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	17	0.22
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	17	0.22
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	17	0.22
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	12	0.22
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	1	0.22
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	11	0.22
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	6	0.22
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	6	0.22
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	6	0.22
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	9	0.22
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	9	0.22
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	9	0.22
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	6	0.22
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	6	0.22
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	6	0.22
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	6	0.22
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	6	0.22
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	6	0.22
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	6	0.22
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	6	0.22
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	6	0.22
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	12	0.22
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	14	0.22
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	17	0.22
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	18	0.22
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	11	0.22
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	11	0.22
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	11	0.22
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	11	0.22
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	11	0.22
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	11	0.22
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	11	0.22
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	11	0.22
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	11	0.22
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	15	0.22
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	15	0.22
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	15	0.22
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	15	0.22
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	15	0.22
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	15	0.22
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	15	0.22
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	15	0.22
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	15	0.22
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	4	0.22
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	10	0.22
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	10	0.22
(1,1729)	1:152:A:ASN:H	1:153:A:VAL:H	9	0.22
(1,1572)	1:135:A:GLN:HE22	1:131:A:TRP:HZ2	5	0.22
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	3	0.22
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	3	0.22
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	3	0.22
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	18	0.22
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	18	0.22
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	18	0.22
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	14	0.22
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	1	0.22
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	15	0.22
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	17	0.22
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	19	0.22
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	19	0.22
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	13	0.22
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	13	0.22
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	13	0.22
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	13	0.22
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	13	0.22
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	13	0.22
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	13	0.22
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	13	0.22
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	13	0.22
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	5	0.22
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	5	0.22
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	2	0.22
(1,1408)	1:120:A:LEU:HA	1:120:A:LEU:HB2	20	0.22
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	10	0.22
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	10	0.22
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	10	0.22
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	2	0.22
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	2	0.22
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	2	0.22
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	7	0.22
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	7	0.22
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	7	0.22
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	9	0.22
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	9	0.22
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	9	0.22
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	20	0.22
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	20	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	11	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	11	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	11	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	12	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	12	0.22
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	12	0.22
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	15	0.22
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	19	0.22
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	19	0.22
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	19	0.22
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	16	0.22
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	16	0.22
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	16	0.22
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	1	0.22
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	1	0.22
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	1	0.22
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	5	0.22
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	5	0.22
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	5	0.22
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	2	0.22
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	7	0.22
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	6	0.22
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	6	0.22
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	6	0.22
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	10	0.22
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	10	0.22
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	10	0.22
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	11	0.22
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	11	0.22
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	11	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	1	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	3	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	7	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	9	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	11	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	14	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	16	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	19	0.22
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	20	0.22
(1,1126)	1:99:A:ILE:HD11	1:107:A:HIS:HA	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:99:A:ILE:HD12	1:107:A:HIS:HA	12	0.22
(1,1126)	1:99:A:ILE:HD13	1:107:A:HIS:HA	12	0.22
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	1	0.22
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	1	0.22
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	1	0.22
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	1	0.22
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	1	0.22
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	1	0.22
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	3	0.22
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	3	0.22
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	3	0.22
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	3	0.22
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	3	0.22
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	3	0.22
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	6	0.22
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	6	0.22
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	6	0.22
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	6	0.22
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	6	0.22
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	6	0.22
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	2	0.22
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	2	0.22
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	2	0.22
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	4	0.22
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	4	0.22
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	4	0.22
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	9	0.22
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	9	0.22
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	9	0.22
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	17	0.22
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	17	0.22
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	17	0.22
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	11	0.22
(1,1083)	1:97:A:PHE:HD1	1:98:A:GLN:H	18	0.22
(1,1083)	1:97:A:PHE:HD2	1:98:A:GLN:H	18	0.22
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	7	0.22
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	9	0.22
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	11	0.22
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	18	0.22
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	19	0.22
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	20	0.22
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	15	0.22
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	20	0.22
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	20	0.22
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	16	0.22
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	16	0.22
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	16	0.22
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	5	0.22
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	5	0.22
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	20	0.22
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	20	0.22
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	20	0.22
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	20	0.22
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	20	0.22
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	20	0.22
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	17	0.22
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	17	0.22
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	17	0.22
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	18	0.22
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	18	0.22
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	18	0.22
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	20	0.22
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	20	0.22
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	20	0.22
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	9	0.22
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	13	0.22
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	13	0.22
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	13	0.22
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	12	0.22
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	12	0.22
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	12	0.22
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	2	0.22
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	2	0.22
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	2	0.22
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	18	0.22
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	18	0.22
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	18	0.22
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	6	0.22
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	11	0.22
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	14	0.22
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	14	0.22
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	14	0.22
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	18	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	18	0.22
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	18	0.22
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	4	0.22
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	4	0.22
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	6	0.22
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	6	0.22
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	4	0.22
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	5	0.22
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	5	0.22
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	9	0.22
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	9	0.22
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	9	0.22
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	18	0.22
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	18	0.22
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	18	0.22
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	2	0.22
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	2	0.22
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	2	0.22
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	16	0.22
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	16	0.22
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	16	0.22
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	1	0.22
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	1	0.22
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	10	0.22
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	10	0.22
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	16	0.22
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	16	0.22
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	17	0.22
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	17	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	3	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	3	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	3	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	6	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	6	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	6	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	14	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	14	0.22
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	14	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	11	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	11	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	11	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	11	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	11	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	11	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	11	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	11	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	13	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	13	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	13	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	13	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	13	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	13	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	13	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	13	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	13	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	16	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	16	0.22
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	16	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	16	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	16	0.22
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	16	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	16	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	16	0.22
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	16	0.22
(1,326)	1:33:A:ILE:HG21	1:36:A:LYS:HE2	19	0.22
(1,326)	1:33:A:ILE:HG22	1:36:A:LYS:HE2	19	0.22
(1,326)	1:33:A:ILE:HG23	1:36:A:LYS:HE2	19	0.22
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	6	0.22
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	3	0.22
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	3	0.22
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	3	0.22
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	17	0.22
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	17	0.22
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	17	0.22
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	12	0.22
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	20	0.22
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	20	0.22
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	20	0.22
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	8	0.22
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	8	0.22
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	8	0.22
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	9	0.22
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	9	0.22
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	6	0.22
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	15	0.22
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	7	0.22
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	7	0.22
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	7	0.22
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	7	0.22
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	7	0.22
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	7	0.22
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	5	0.22
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	5	0.22
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	5	0.22
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	5	0.22
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	5	0.22
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	5	0.22
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	5	0.22
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	5	0.22
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	5	0.22
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	13	0.22
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	13	0.22
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	13	0.22
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	13	0.22
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	13	0.22
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	13	0.22
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	13	0.22
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	13	0.22
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	13	0.22
(1,188)	1:28:A:GLU:H	1:26:A:LYS:HB2	20	0.22
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	2	0.22
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	16	0.22
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	16	0.22
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	16	0.22
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	2	0.22
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	2	0.22
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	2	0.22
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	4	0.22
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	19	0.22
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	13	0.22
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	13	0.22
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	19	0.22
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	19	0.22
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:211:A:ASP:H	1:214:A:GLY:O	1	0.21
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	2	0.21
(2,11)	1:30:A:ALA:H	1:42:A:TRP:O	17	0.21
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	15	0.21
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	3	0.21
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	6	0.21
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	7	0.21
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	4	0.21
(1,2487)	1:194:A:ILE:HG21	1:228:A:GLN:HE21	7	0.21
(1,2487)	1:194:A:ILE:HG22	1:228:A:GLN:HE21	7	0.21
(1,2487)	1:194:A:ILE:HG23	1:228:A:GLN:HE21	7	0.21
(1,2487)	1:194:A:ILE:HG21	1:228:A:GLN:HE21	17	0.21
(1,2487)	1:194:A:ILE:HG22	1:228:A:GLN:HE21	17	0.21
(1,2487)	1:194:A:ILE:HG23	1:228:A:GLN:HE21	17	0.21
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	1	0.21
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	1	0.21
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	1	0.21
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	8	0.21
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	8	0.21
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	8	0.21
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	4	0.21
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	5	0.21
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	13	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	7	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	7	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	8	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	8	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	9	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	9	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	10	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	10	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	14	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	14	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	15	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	15	0.21
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	19	0.21
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	19	0.21
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	3	0.21
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	3	0.21
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	3	0.21
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	8	0.21
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	8	0.21
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	12	0.21
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	14	0.21
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	15	0.21
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	19	0.21
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	15	0.21
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	15	0.21
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	15	0.21
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	15	0.21
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	15	0.21
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	15	0.21
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	17	0.21
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	17	0.21
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	17	0.21
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	17	0.21
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	17	0.21
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	17	0.21
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	19	0.21
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	19	0.21
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	19	0.21
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	19	0.21
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	19	0.21
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	19	0.21
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	13	0.21
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	13	0.21
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	13	0.21
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	13	0.21
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	13	0.21
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	13	0.21
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	2	0.21
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	2	0.21
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	2	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	9	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	9	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	9	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	15	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	15	0.21
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	15	0.21
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	14	0.21
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	6	0.21
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD11	1	0.21
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD12	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD13	1	0.21
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	14	0.21
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	19	0.21
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	19	0.21
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	19	0.21
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	19	0.21
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	19	0.21
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	19	0.21
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	5	0.21
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	5	0.21
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	5	0.21
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	5	0.21
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	5	0.21
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	5	0.21
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	17	0.21
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	17	0.21
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	17	0.21
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	6	0.21
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	11	0.21
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	8	0.21
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	10	0.21
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	10	0.21
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	16	0.21
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	8	0.21
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	8	0.21
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	8	0.21
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	8	0.21
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	8	0.21
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	8	0.21
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	20	0.21
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	10	0.21
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	10	0.21
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	10	0.21
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	12	0.21
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	12	0.21
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	12	0.21
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	7	0.21
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	7	0.21
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	7	0.21
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	10	0.21
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	10	0.21
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	13	0.21
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	13	0.21
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	13	0.21
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	15	0.21
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	15	0.21
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	15	0.21
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	2	0.21
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	2	0.21
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	2	0.21
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	5	0.21
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	5	0.21
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	5	0.21
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	13	0.21
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	2	0.21
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	2	0.21
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	2	0.21
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	20	0.21
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	20	0.21
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	20	0.21
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	17	0.21
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	13	0.21
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	13	0.21
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	13	0.21
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	2	0.21
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	2	0.21
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	2	0.21
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	2	0.21
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	2	0.21
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	2	0.21
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	2	0.21
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	2	0.21
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	2	0.21
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	16	0.21
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	16	0.21
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	16	0.21
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	16	0.21
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	16	0.21
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	16	0.21
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	16	0.21
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	16	0.21
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	16	0.21
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	9	0.21
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	9	0.21
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	9	0.21
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	9	0.21
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	9	0.21
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	9	0.21
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	9	0.21
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	9	0.21
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	9	0.21
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	10	0.21
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	10	0.21
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	10	0.21
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	10	0.21
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	10	0.21
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	10	0.21
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	10	0.21
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	10	0.21
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	10	0.21
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	19	0.21
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	19	0.21
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	19	0.21
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	2	0.21
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	8	0.21
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	17	0.21
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	12	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	2	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	2	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	2	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	15	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	15	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	15	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD11	18	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD12	18	0.21
(1,1731)	1:152:A:ASN:HD22	1:193:A:LEU:HD13	18	0.21
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	3	0.21
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	5	0.21
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	5	0.21
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	5	0.21
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	7	0.21
(1,1560)	1:133:A:ARG:H	1:132:A:ILE:HB	9	0.21
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD11	2	0.21
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD12	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD13	2	0.21
(1,1537)	1:131:A:TRP:H	1:131:A:TRP:HE3	16	0.21
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	2	0.21
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	17	0.21
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	13	0.21
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	9	0.21
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	9	0.21
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	10	0.21
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	1	0.21
(1,1486)	1:37:A:GLY:H	1:127:A:GLN:HB2	11	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	14	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	14	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	14	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	14	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	14	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	14	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	14	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	14	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	14	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	17	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	17	0.21
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	17	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	17	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	17	0.21
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	17	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	17	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	17	0.21
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	17	0.21
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	15	0.21
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	15	0.21
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	20	0.21
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	20	0.21
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	20	0.21
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	20	0.21
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	20	0.21
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	20	0.21
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	15	0.21
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	16	0.21
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	1	0.21
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	10	0.21
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	10	0.21
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	15	0.21
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	15	0.21
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	15	0.21
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	18	0.21
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	18	0.21
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	18	0.21
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	1	0.21
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	1	0.21
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	1	0.21
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	19	0.21
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	19	0.21
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	19	0.21
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	2	0.21
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	2	0.21
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	2	0.21
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	16	0.21
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	16	0.21
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	16	0.21
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	5	0.21
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	5	0.21
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	5	0.21
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	12	0.21
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	19	0.21
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	11	0.21
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	11	0.21
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	11	0.21
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	19	0.21
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	19	0.21
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	19	0.21
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	19	0.21
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	19	0.21
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	19	0.21
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	20	0.21
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	20	0.21
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	20	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	2	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	4	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	5	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	6	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	8	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	10	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	13	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	15	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	17	0.21
(1,1136)	1:100:A:GLN:HE21	1:100:A:GLN:HG3	18	0.21
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	4	0.21
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	4	0.21
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	4	0.21
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	4	0.21
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	4	0.21
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	4	0.21
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	17	0.21
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	17	0.21
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	17	0.21
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	19	0.21
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	19	0.21
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	19	0.21
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	15	0.21
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	15	0.21
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	15	0.21
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	18	0.21
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	18	0.21
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	18	0.21
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	20	0.21
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	5	0.21
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	18	0.21
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	18	0.21
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	8	0.21
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	8	0.21
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	8	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	6	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	6	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	6	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	7	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	7	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	7	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	12	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	12	0.21
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	12	0.21
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	12	0.21
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	12	0.21
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	4	0.21
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	4	0.21
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	4	0.21
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	4	0.21
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	4	0.21
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	16	0.21
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	16	0.21
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	16	0.21
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	16	0.21
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	16	0.21
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	16	0.21
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	9	0.21
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	9	0.21
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	9	0.21
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	12	0.21
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	12	0.21
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	12	0.21
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	8	0.21
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	20	0.21
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	11	0.21
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	20	0.21
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	20	0.21
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	20	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	1	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	1	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	1	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	8	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	8	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	8	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	12	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	12	0.21
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	12	0.21
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	9	0.21
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	9	0.21
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	7	0.21
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	7	0.21
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	10	0.21
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	10	0.21
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	10	0.21
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	19	0.21
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	19	0.21
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	19	0.21
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	16	0.21
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	16	0.21
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	17	0.21
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	3	0.21
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	3	0.21
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	3	0.21
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	3	0.21
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	3	0.21
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	3	0.21
(1,644)	1:57:A:ILE:H	1:61:A:LYS:HD3	3	0.21
(1,644)	1:57:A:ILE:H	1:61:A:LYS:HD2	3	0.21
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	15	0.21
(1,614)	1:96:A:THR:H	1:57:A:ILE:HA	3	0.21
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	10	0.21
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	10	0.21
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	10	0.21
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	17	0.21
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	17	0.21
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	17	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	9	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	9	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	9	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	11	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	11	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	11	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	13	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	13	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	13	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	17	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	17	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	17	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	20	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	20	0.21
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	20	0.21
(1,579)	1:82:A:MET:HE1	1:56:A:TYR:HB3	16	0.21
(1,579)	1:82:A:MET:HE2	1:56:A:TYR:HB3	16	0.21
(1,579)	1:82:A:MET:HE3	1:56:A:TYR:HB3	16	0.21
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	5	0.21
(1,490)	1:47:A:LYS:HE3	1:49:A:SER:H	14	0.21
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	8	0.21
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	15	0.21
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	5	0.21
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	7	0.21
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	7	0.21
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	13	0.21
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	13	0.21
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	17	0.21
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	17	0.21
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	17	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	2	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	2	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	2	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	7	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	7	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	7	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	17	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	17	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	17	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	20	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	20	0.21
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	20	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	2	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	2	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	2	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	16	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	16	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	16	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	18	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	18	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	18	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	20	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	20	0.21
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	20	0.21
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	10	0.21
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	10	0.21
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	10	0.21
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	15	0.21
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	15	0.21
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	15	0.21
(1,384)	1:41:A:PHE:HE1	1:70:A:LYS:HG3	19	0.21
(1,384)	1:41:A:PHE:HE2	1:70:A:LYS:HG3	19	0.21
(1,384)	1:41:A:PHE:HE1	1:70:A:LYS:HG2	19	0.21
(1,384)	1:41:A:PHE:HE2	1:70:A:LYS:HG2	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	8	0.21
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	8	0.21
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	8	0.21
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	8	0.21
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	8	0.21
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	8	0.21
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	8	0.21
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	8	0.21
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	8	0.21
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	9	0.21
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	9	0.21
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	9	0.21
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	9	0.21
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	9	0.21
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	9	0.21
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	9	0.21
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	9	0.21
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	9	0.21
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	2	0.21
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	2	0.21
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	13	0.21
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	16	0.21
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	16	0.21
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	16	0.21
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	11	0.21
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	11	0.21
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	11	0.21
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	14	0.21
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	14	0.21
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	14	0.21
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	15	0.21
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	15	0.21
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	15	0.21
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	11	0.21
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	7	0.21
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	7	0.21
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	7	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	11	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	11	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	11	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	11	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	11	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	11	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	11	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	11	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	12	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	12	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	12	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	12	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	12	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	12	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	12	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	12	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	12	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	20	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	20	0.21
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	20	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	20	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	20	0.21
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	20	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	20	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	20	0.21
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	20	0.21
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	13	0.21
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	13	0.21
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	13	0.21
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	1	0.21
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	1	0.21
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	1	0.21
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	20	0.21
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	18	0.21
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	15	0.21
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	15	0.21
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	15	0.21
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	8	0.21
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	16	0.21
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	10	0.21
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	10	0.21
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	10	0.21
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	6	0.21
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	6	0.21
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	6	0.21
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	13	0.21
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	15	0.21
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	15	0.21
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	15	0.21
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	5	0.21
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	16	0.21
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	1	0.21
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	2	0.21
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	5	0.21
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	5	0.21
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	5	0.21
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	15	0.21
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	15	0.21
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	4	0.2
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	2	0.2
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	19	0.2
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	12	0.2
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	9	0.2
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	18	0.2
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	9	0.2
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	16	0.2
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	17	0.2
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	20	0.2
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	1	0.2
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	2	0.2
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	5	0.2
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	11	0.2
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	13	0.2
(1,2536)	1:230:A:LEU:H	1:230:A:LEU:HA	16	0.2
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	9	0.2
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	14	0.2
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	18	0.2
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG2	5	0.2
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG2	5	0.2
(1,2492)	1:227:A:PHE:HD1	1:228:A:GLN:HG3	5	0.2
(1,2492)	1:227:A:PHE:HD2	1:228:A:GLN:HG3	5	0.2
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	6	0.2
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	20	0.2
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	12	0.2
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	12	0.2
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	16	0.2
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	9	0.2
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	9	0.2
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	9	0.2
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	15	0.2
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	15	0.2
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	15	0.2
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	10	0.2
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	9	0.2
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	9	0.2
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	9	0.2
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	9	0.2
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	4	0.2
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	6	0.2
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	9	0.2
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	18	0.2
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	18	0.2
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	18	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	2	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	2	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	2	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	10	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	10	0.2
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	10	0.2
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	8	0.2
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	8	0.2
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	8	0.2
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	8	0.2
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	8	0.2
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	8	0.2
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	19	0.2
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	19	0.2
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	19	0.2
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	19	0.2
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	19	0.2
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	19	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	2	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	2	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	2	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	8	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	8	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	8	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	15	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	15	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD21	19	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD22	19	0.2
(1,2190)	1:206:A:GLU:HA	1:222:A:LEU:HD23	19	0.2
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	7	0.2
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	7	0.2
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	7	0.2
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	4	0.2
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	5	0.2
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	5	0.2
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	11	0.2
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	11	0.2
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	16	0.2
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	16	0.2
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	2	0.2
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	17	0.2
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	4	0.2
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	5	0.2
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	4	0.2
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	5	0.2
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	1	0.2
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	1	0.2
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	1	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	2	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	2	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	2	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	3	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	3	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	3	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	13	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	13	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	13	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	16	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	16	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	16	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	18	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	18	0.2
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	18	0.2
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG21	3	0.2
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG22	3	0.2
(1,2007)	1:157:A:CYS:H	1:191:A:THR:HG23	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	4	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	4	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	4	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	9	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	9	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	9	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	18	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	18	0.2
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	18	0.2
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	9	0.2
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	9	0.2
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	9	0.2
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	17	0.2
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	17	0.2
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	17	0.2
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	2	0.2
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	2	0.2
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	2	0.2
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	9	0.2
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	9	0.2
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	9	0.2
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	7	0.2
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	7	0.2
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	7	0.2
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	10	0.2
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	16	0.2
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	19	0.2
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	8	0.2
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	8	0.2
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	18	0.2
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	18	0.2
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	18	0.2
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	3	0.2
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	3	0.2
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	3	0.2
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	4	0.2
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	4	0.2
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	4	0.2
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	4	0.2
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	4	0.2
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	4	0.2
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	4	0.2
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	4	0.2
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	2	0.2
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	2	0.2
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	2	0.2
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	13	0.2
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	10	0.2
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	10	0.2
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	10	0.2
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	20	0.2
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	20	0.2
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	20	0.2
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	18	0.2
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	6	0.2
(1,1703)	1:150:A:GLU:H	1:151:A:SER:H	18	0.2
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	5	0.2
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	9	0.2
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG3	16	0.2
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG2	16	0.2
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	19	0.2
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	4	0.2
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	4	0.2
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	3	0.2
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	12	0.2
(1,1511)	1:128:A:ARG:H	1:129:A:GLN:HG2	18	0.2
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	11	0.2
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	20	0.2
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	5	0.2
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	18	0.2
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	11	0.2
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	10	0.2
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	10	0.2
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	2	0.2
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	14	0.2
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	18	0.2
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	11	0.2
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	1	0.2
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	1	0.2
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	1	0.2
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	3	0.2
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	3	0.2
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	11	0.2
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	11	0.2
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	11	0.2
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	16	0.2
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	16	0.2
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	16	0.2
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	19	0.2
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	19	0.2
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	19	0.2
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	18	0.2
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	18	0.2
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	18	0.2
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	17	0.2
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	17	0.2
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	17	0.2
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	12	0.2
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	14	0.2
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	14	0.2
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	14	0.2
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	11	0.2
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	11	0.2
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	11	0.2
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	11	0.2
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	11	0.2
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	11	0.2
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	4	0.2
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	8	0.2
(1,1232)	1:111:A:VAL:H	1:110:A:LEU:HG	20	0.2
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	12	0.2
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	12	0.2
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	12	0.2
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	12	0.2
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	12	0.2
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	12	0.2
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	20	0.2
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	20	0.2
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	20	0.2
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	10	0.2
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	10	0.2
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	10	0.2
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	18	0.2
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	18	0.2
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	11	0.2
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	11	0.2
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	11	0.2
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	16	0.2
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	16	0.2
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	16	0.2
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	16	0.2
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	6	0.2
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	9	0.2
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	15	0.2
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	2	0.2
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	13	0.2
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	18	0.2
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	18	0.2
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	6	0.2
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	6	0.2
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	6	0.2
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	9	0.2
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	9	0.2
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	9	0.2
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	13	0.2
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	13	0.2
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	13	0.2
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	2	0.2
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	2	0.2
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	12	0.2
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	12	0.2
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	12	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	3	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	3	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	3	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	3	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	3	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	3	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	3	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	3	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	3	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	19	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	19	0.2
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	19	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	19	0.2
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	19	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	19	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	19	0.2
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	19	0.2
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	12	0.2
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	12	0.2
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	12	0.2
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	12	0.2
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	12	0.2
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	12	0.2
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	4	0.2
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	4	0.2
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	4	0.2
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD11	11	0.2
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD12	11	0.2
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD13	11	0.2
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	11	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	2	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	2	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	2	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	10	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	10	0.2
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	10	0.2
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	17	0.2
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	17	0.2
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	17	0.2
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	18	0.2
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	18	0.2
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	18	0.2
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	10	0.2
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	10	0.2
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	10	0.2
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	20	0.2
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	20	0.2
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	20	0.2
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	7	0.2
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	19	0.2
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	2	0.2
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	2	0.2
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	2	0.2
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	12	0.2
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	12	0.2
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	15	0.2
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	15	0.2
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	15	0.2
(1,664)	1:63:A:ILE:HG21	1:58:A:PHE:HA	3	0.2
(1,664)	1:63:A:ILE:HG22	1:58:A:PHE:HA	3	0.2
(1,664)	1:63:A:ILE:HG23	1:58:A:PHE:HA	3	0.2
(1,658)	1:57:A:ILE:HG12	1:62:A:GLU:HG2	1	0.2
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	20	0.2
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	20	0.2
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	20	0.2
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	2	0.2
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	2	0.2
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	18	0.2
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	18	0.2
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	8	0.2
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	8	0.2
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	8	0.2
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	15	0.2
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	15	0.2
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	15	0.2
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	3	0.2
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	17	0.2
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	17	0.2
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	17	0.2
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	2	0.2
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	6	0.2
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	4	0.2
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	4	0.2
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	8	0.2
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	8	0.2
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	18	0.2
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	18	0.2
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	11	0.2
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	11	0.2
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	11	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	8	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	8	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	8	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	10	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	10	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	13	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	13	0.2
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	13	0.2
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	17	0.2
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	17	0.2
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	17	0.2
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	4	0.2
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	15	0.2
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	15	0.2
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	15	0.2
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	15	0.2
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	15	0.2
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	15	0.2
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	15	0.2
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	15	0.2
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	15	0.2
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	7	0.2
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	10	0.2
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	16	0.2
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	20	0.2
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	3	0.2
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	3	0.2
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	3	0.2
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	6	0.2
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	6	0.2
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	6	0.2
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	7	0.2
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	7	0.2
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	7	0.2
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	9	0.2
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	12	0.2
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	9	0.2
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	9	0.2
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	9	0.2
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	1	0.2
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	18	0.2
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	8	0.2
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	17	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	7	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	7	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	8	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	8	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	8	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	9	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	9	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	9	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	12	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	12	0.2
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	12	0.2
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	6	0.2
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	6	0.2
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	6	0.2
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG2	9	0.2
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG3	9	0.2
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG2	9	0.2
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG3	9	0.2
(1,110)	1:20:A:PHE:HB2	1:21:A:PRO:HD3	6	0.2
(1,110)	1:20:A:PHE:HB2	1:21:A:PRO:HD2	6	0.2
(1,97)	1:20:A:PHE:H	1:19:A:LYS:HA	10	0.2
(1,97)	1:20:A:PHE:H	1:19:A:LYS:HA	20	0.2
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	12	0.2
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	12	0.2
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	12	0.2
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	15	0.2
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	15	0.2
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	18	0.2
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	18	0.2
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	5	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	1	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	1	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	1	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	7	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	7	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	7	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	13	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	13	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	13	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	17	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	17	0.2
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	17	0.2
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	9	0.2
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	18	0.2
(2,98)	1:126:A:PHE:N	1:122:A:LYS:O	20	0.19
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	9	0.19
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	14	0.19
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	11	0.19
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	11	0.19
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	12	0.19
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	15	0.19
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	20	0.19
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	2	0.19
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	15	0.19
(1,2543)	1:230:A:LEU:H	1:231:A:MET:H	10	0.19
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	4	0.19
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	12	0.19
(1,2538)	1:230:A:LEU:HG	1:230:A:LEU:HA	18	0.19
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	5	0.19
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	11	0.19
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	4	0.19
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	14	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	14	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	14	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	14	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	19	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	19	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	19	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	20	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	20	0.19
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	20	0.19
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	2	0.19
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	12	0.19
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	2	0.19
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	2	0.19
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	5	0.19
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	5	0.19
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	6	0.19
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	6	0.19
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	13	0.19
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	13	0.19
(1,2466)	1:227:A:PHE:HE1	1:227:A:PHE:HB2	11	0.19
(1,2466)	1:227:A:PHE:HE2	1:227:A:PHE:HB2	11	0.19
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	9	0.19
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	9	0.19
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	5	0.19
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	5	0.19
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	5	0.19
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	5	0.19
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	20	0.19
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	20	0.19
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	20	0.19
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	13	0.19
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	13	0.19
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	13	0.19
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	3	0.19
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	18	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	11	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	11	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	11	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	12	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	12	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	12	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	18	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	18	0.19
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	18	0.19
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	14	0.19
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	14	0.19
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	4	0.19
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	4	0.19
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	4	0.19
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	4	0.19
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	4	0.19
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	4	0.19
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	12	0.19
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	12	0.19
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	12	0.19
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	12	0.19
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	12	0.19
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	12	0.19
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	9	0.19
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	13	0.19
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	13	0.19
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	13	0.19
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	13	0.19
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	13	0.19
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD1	14	0.19
(1,2118)	1:222:A:LEU:HD11	1:197:A:PHE:HD2	14	0.19
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD1	14	0.19
(1,2118)	1:222:A:LEU:HD12	1:197:A:PHE:HD2	14	0.19
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD1	14	0.19
(1,2118)	1:222:A:LEU:HD13	1:197:A:PHE:HD2	14	0.19
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	3	0.19
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	3	0.19
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	6	0.19
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	6	0.19
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	17	0.19
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	17	0.19
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	10	0.19
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	4	0.19
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	8	0.19
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	10	0.19
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	18	0.19
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	14	0.19
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	20	0.19
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	13	0.19
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	13	0.19
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	13	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	5	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	5	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	5	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	9	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	9	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	9	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	11	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	11	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	11	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	19	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	19	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	19	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	20	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	20	0.19
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	20	0.19
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	14	0.19
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	14	0.19
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	14	0.19
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	3	0.19
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	3	0.19
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	5	0.19
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	5	0.19
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	5	0.19
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	6	0.19
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	6	0.19
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	6	0.19
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	11	0.19
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	11	0.19
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	11	0.19
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	12	0.19
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	12	0.19
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	12	0.19
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	16	0.19
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	16	0.19
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	16	0.19
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	14	0.19
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	14	0.19
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	14	0.19
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	18	0.19
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	18	0.19
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	18	0.19
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	6	0.19
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	6	0.19
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	6	0.19
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	18	0.19
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	18	0.19
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	18	0.19
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	9	0.19
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	18	0.19
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	18	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	15	0.19
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	15	0.19
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	14	0.19
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	10	0.19
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	10	0.19
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	10	0.19
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	20	0.19
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	4	0.19
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	4	0.19
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	4	0.19
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	12	0.19
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	12	0.19
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	12	0.19
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	12	0.19
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	12	0.19
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	12	0.19
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	12	0.19
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	12	0.19
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	12	0.19
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	14	0.19
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	14	0.19
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	14	0.19
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	14	0.19
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	14	0.19
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	14	0.19
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	14	0.19
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	14	0.19
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	14	0.19
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	14	0.19
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	14	0.19
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	14	0.19
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	20	0.19
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	20	0.19
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	20	0.19
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	2	0.19
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	2	0.19
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	2	0.19
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	12	0.19
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	12	0.19
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	12	0.19
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	14	0.19
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	14	0.19
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	14	0.19
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	11	0.19
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG3	19	0.19
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG2	19	0.19
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA2	15	0.19
(1,1595)	1:135:A:GLN:HE22	1:136:A:GLY:HA3	15	0.19
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	4	0.19
(1,1580)	1:135:A:GLN:HE22	1:135:A:GLN:HA	5	0.19
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	6	0.19
(1,1568)	1:134:A:LYS:H	1:136:A:GLY:H	18	0.19
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	5	0.19
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	5	0.19
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	5	0.19
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	6	0.19
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	6	0.19
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	6	0.19
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	6	0.19
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	6	0.19
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	6	0.19
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	18	0.19
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	2	0.19
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	2	0.19
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	3	0.19
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	5	0.19
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	6	0.19
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	14	0.19
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	18	0.19
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	7	0.19
(1,1470)	1:125:A:GLU:HA	1:129:A:GLN:H	5	0.19
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	15	0.19
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	15	0.19
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	15	0.19
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	15	0.19
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	15	0.19
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	15	0.19
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	15	0.19
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	15	0.19
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	15	0.19
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	5	0.19
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	5	0.19
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	5	0.19
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	11	0.19
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	11	0.19
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	11	0.19
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	11	0.19
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	11	0.19
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	3	0.19
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	5	0.19
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	5	0.19
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	5	0.19
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	13	0.19
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	13	0.19
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	13	0.19
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	14	0.19
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	14	0.19
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	14	0.19
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	20	0.19
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	20	0.19
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	20	0.19
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	16	0.19
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	16	0.19
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	16	0.19
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	8	0.19
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	8	0.19
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	8	0.19
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	4	0.19
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	7	0.19
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	10	0.19
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	17	0.19
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	17	0.19
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	17	0.19
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	8	0.19
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	8	0.19
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	8	0.19
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	9	0.19
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	9	0.19
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	9	0.19
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	11	0.19
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	11	0.19
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	11	0.19
(1,1222)	1:110:A:LEU:HD11	1:95:A:TYR:HD1	11	0.19
(1,1222)	1:110:A:LEU:HD11	1:95:A:TYR:HD2	11	0.19
(1,1222)	1:110:A:LEU:HD12	1:95:A:TYR:HD1	11	0.19
(1,1222)	1:110:A:LEU:HD12	1:95:A:TYR:HD2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:110:A:LEU:HD13	1:95:A:TYR:HD1	11	0.19
(1,1222)	1:110:A:LEU:HD13	1:95:A:TYR:HD2	11	0.19
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	4	0.19
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	4	0.19
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	4	0.19
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	7	0.19
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	7	0.19
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	7	0.19
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	12	0.19
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	12	0.19
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	12	0.19
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	7	0.19
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	7	0.19
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	7	0.19
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	7	0.19
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	7	0.19
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	7	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	6	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	6	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	6	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	10	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	10	0.19
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	10	0.19
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	8	0.19
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	8	0.19
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	8	0.19
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	20	0.19
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	20	0.19
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	20	0.19
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	1	0.19
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	1	0.19
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	1	0.19
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	2	0.19
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	2	0.19
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	2	0.19
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	10	0.19
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	8	0.19
(1,1083)	1:97:A:PHE:HD1	1:98:A:GLN:H	1	0.19
(1,1083)	1:97:A:PHE:HD2	1:98:A:GLN:H	1	0.19
(1,1083)	1:97:A:PHE:HD1	1:98:A:GLN:H	14	0.19
(1,1083)	1:97:A:PHE:HD2	1:98:A:GLN:H	14	0.19
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	18	0.19
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	12	0.19
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	3	0.19
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	2	0.19
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	3	0.19
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	3	0.19
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	3	0.19
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	20	0.19
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	20	0.19
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	20	0.19
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	7	0.19
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	12	0.19
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	3	0.19
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	4	0.19
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	4	0.19
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	11	0.19
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	11	0.19
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	3	0.19
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	3	0.19
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	3	0.19
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	3	0.19
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	3	0.19
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	3	0.19
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	14	0.19
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	14	0.19
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	14	0.19
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	4	0.19
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	4	0.19
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	4	0.19
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	2	0.19
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	2	0.19
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	2	0.19
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	1	0.19
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	1	0.19
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	1	0.19
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	1	0.19
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	1	0.19
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	1	0.19
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	1	0.19
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	1	0.19
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	1	0.19
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	16	0.19
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	18	0.19
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	18	0.19
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	18	0.19
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	20	0.19
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	20	0.19
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	20	0.19
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	5	0.19
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	9	0.19
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	19	0.19
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	17	0.19
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	17	0.19
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	17	0.19
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	6	0.19
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	13	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	5	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	5	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	5	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	10	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	10	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	10	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	14	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	14	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	14	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	20	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	20	0.19
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	20	0.19
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	8	0.19
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	8	0.19
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	8	0.19
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	8	0.19
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	8	0.19
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	8	0.19
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	20	0.19
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	20	0.19
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	20	0.19
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	20	0.19
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	20	0.19
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	20	0.19
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	16	0.19
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	18	0.19
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	11	0.19
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	11	0.19
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	12	0.19
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	12	0.19
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	7	0.19
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	7	0.19
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	7	0.19
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	3	0.19
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	3	0.19
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	5	0.19
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	7	0.19
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	4	0.19
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	4	0.19
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	4	0.19
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	5	0.19
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	5	0.19
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	5	0.19
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	16	0.19
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	16	0.19
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	16	0.19
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	20	0.19
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	15	0.19
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	15	0.19
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	15	0.19
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	4	0.19
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	14	0.19
(1,467)	1:48:A:LEU:H	1:47:A:LYS:HG3	1	0.19
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	1	0.19
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	2	0.19
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	2	0.19
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	2	0.19
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	4	0.19
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	4	0.19
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	4	0.19
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	12	0.19
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	12	0.19
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	14	0.19
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	14	0.19
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	18	0.19
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	18	0.19
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	18	0.19
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB1	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB2	5	0.19
(1,403)	1:43:A:MET:HG2	1:45:A:ALA:HB3	5	0.19
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	10	0.19
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	12	0.19
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	13	0.19
(1,348)	1:31:A:VAL:HG11	1:39:A:VAL:HA	17	0.19
(1,348)	1:31:A:VAL:HG12	1:39:A:VAL:HA	17	0.19
(1,348)	1:31:A:VAL:HG13	1:39:A:VAL:HA	17	0.19
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	7	0.19
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	9	0.19
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	19	0.19
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	3	0.19
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	3	0.19
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	3	0.19
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	15	0.19
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	15	0.19
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	15	0.19
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	19	0.19
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	19	0.19
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	19	0.19
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	1	0.19
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	11	0.19
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	19	0.19
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	19	0.19
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	19	0.19
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	16	0.19
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	16	0.19
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	16	0.19
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	16	0.19
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	16	0.19
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	16	0.19
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	16	0.19
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	16	0.19
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	16	0.19
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD21	5	0.19
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD22	5	0.19
(1,219)	1:43:A:MET:H	1:29:A:LEU:HD23	5	0.19
(1,188)	1:28:A:GLU:H	1:26:A:LYS:HB2	12	0.19
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	16	0.19
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	11	0.19
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	5	0.19
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	12	0.19
(1,106)	1:20:A:PHE:H	1:20:A:PHE:HD1	5	0.19
(1,106)	1:20:A:PHE:H	1:20:A:PHE:HD2	5	0.19
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	17	0.19
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	17	0.19
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	17	0.19
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	1	0.19
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	5	0.19
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	14	0.19
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	16	0.19
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	20	0.19
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	15	0.19
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	16	0.19
(1,22)	1:9:A:LYS:H	1:8:A:MET:HA	6	0.19
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	1	0.19
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	9	0.19
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	10	0.19
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	8	0.19
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	10	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	1	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	1	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	8	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	8	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	11	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	11	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	20	0.19
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	20	0.19
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	16	0.19
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	3	0.19
(2,154)	1:220:A:LEU:N	1:205:A:TYR:O	14	0.18
(2,129)	1:177:A:ILE:H	1:170:A:TRP:O	20	0.18
(2,84)	1:114:A:GLY:O	1:118:A:LYS:N	14	0.18
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	16	0.18
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	18	0.18
(1,2543)	1:230:A:LEU:H	1:231:A:MET:H	14	0.18
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	3	0.18
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	2	0.18
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	13	0.18
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	18	0.18
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	3	0.18
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	3	0.18
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	17	0.18
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	17	0.18
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	17	0.18
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	7	0.18
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	1	0.18
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	1	0.18
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	4	0.18
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	4	0.18
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	7	0.18
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	7	0.18
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	8	0.18
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	8	0.18
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	8	0.18
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	19	0.18
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	19	0.18
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	19	0.18
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	20	0.18
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	20	0.18
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	20	0.18
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	2	0.18
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	3	0.18
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	18	0.18
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	5	0.18
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	5	0.18
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	5	0.18
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	14	0.18
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	14	0.18
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	14	0.18
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	10	0.18
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	10	0.18
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	10	0.18
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	3	0.18
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	3	0.18
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	3	0.18
(1,2339)	1:145:A:TRP:HE1	1:222:A:LEU:HB2	6	0.18
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	5	0.18
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	17	0.18
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	20	0.18
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	16	0.18
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	16	0.18
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	16	0.18
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	16	0.18
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	16	0.18
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	3	0.18
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	3	0.18
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	3	0.18
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	7	0.18
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	7	0.18
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	7	0.18
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	2	0.18
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	3	0.18
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	3	0.18
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	3	0.18
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	3	0.18
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	3	0.18
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	3	0.18
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	16	0.18
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	16	0.18
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	16	0.18
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	16	0.18
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	16	0.18
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	16	0.18
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD11	3	0.18
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD12	3	0.18
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD13	3	0.18
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD11	3	0.18
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD12	3	0.18
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD13	3	0.18
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	10	0.18
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	10	0.18
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	10	0.18
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	19	0.18
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	19	0.18
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	19	0.18
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	4	0.18
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	4	0.18
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	4	0.18
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	10	0.18
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	17	0.18
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	12	0.18
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	12	0.18
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	20	0.18
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	5	0.18
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	16	0.18
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	1	0.18
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	6	0.18
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	11	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	1	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	1	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	1	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	12	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	12	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	12	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	17	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	17	0.18
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	17	0.18
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	1	0.18
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	1	0.18
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	1	0.18
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	18	0.18
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	18	0.18
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	18	0.18
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	6	0.18
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	6	0.18
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	6	0.18
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	7	0.18
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	7	0.18
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	7	0.18
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	7	0.18
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	7	0.18
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	7	0.18
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	14	0.18
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	12	0.18
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	12	0.18
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	13	0.18
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	12	0.18
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	15	0.18
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	7	0.18
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	7	0.18
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	7	0.18
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	15	0.18
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	20	0.18
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	19	0.18
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	1	0.18
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	1	0.18
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	14	0.18
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	14	0.18
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	14	0.18
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	11	0.18
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	11	0.18
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	11	0.18
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	20	0.18
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	20	0.18
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	20	0.18
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	10	0.18
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	3	0.18
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	14	0.18
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	16	0.18
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	17	0.18
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	13	0.18
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	13	0.18
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	13	0.18
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	20	0.18
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	20	0.18
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	20	0.18
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	1	0.18
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	18	0.18
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	8	0.18
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG3	13	0.18
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG2	13	0.18
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	7	0.18
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	8	0.18
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	16	0.18
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	1	0.18
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	1	0.18
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	1	0.18
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	7	0.18
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	7	0.18
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	7	0.18
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD11	20	0.18
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD12	20	0.18
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD13	20	0.18
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	3	0.18
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	4	0.18
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	20	0.18
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	1	0.18
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	3	0.18
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	3	0.18
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	11	0.18
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	14	0.18
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	15	0.18
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	2	0.18
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	14	0.18
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	14	0.18
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	1	0.18
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	1	0.18
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	15	0.18
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	15	0.18
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	15	0.18
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	13	0.18
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	10	0.18
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	18	0.18
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	18	0.18
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	4	0.18
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	4	0.18
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	4	0.18
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	6	0.18
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	6	0.18
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	6	0.18
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	9	0.18
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	9	0.18
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	9	0.18
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	17	0.18
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	17	0.18
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	17	0.18
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	7	0.18
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	7	0.18
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	7	0.18
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	15	0.18
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	15	0.18
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	15	0.18
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	2	0.18
(1,1264)	1:112:A:LEU:H	1:113:A:ILE:HB	20	0.18
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	17	0.18
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	17	0.18
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	13	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	13	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	13	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	19	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	19	0.18
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	19	0.18
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	17	0.18
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	17	0.18
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	17	0.18
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	17	0.18
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	17	0.18
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	17	0.18
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	2	0.18
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	2	0.18
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	2	0.18
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	16	0.18
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	16	0.18
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	16	0.18
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG21	3	0.18
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG22	3	0.18
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG23	3	0.18
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	8	0.18
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	8	0.18
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	8	0.18
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	15	0.18
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	15	0.18
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	15	0.18
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	1	0.18
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	1	0.18
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	1	0.18
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	5	0.18
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	5	0.18
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	5	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	1	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	1	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	1	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	13	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	13	0.18
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	13	0.18
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	14	0.18
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	14	0.18
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	9	0.18
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	9	0.18
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	9	0.18
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	9	0.18
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	9	0.18
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	9	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	11	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	11	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	11	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	12	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	12	0.18
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	12	0.18
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	4	0.18
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	4	0.18
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	4	0.18
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	8	0.18
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	8	0.18
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	8	0.18
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	15	0.18
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	15	0.18
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	15	0.18
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	5	0.18
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	6	0.18
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	12	0.18
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	12	0.18
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	2	0.18
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	3	0.18
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	10	0.18
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	11	0.18
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	14	0.18
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	15	0.18
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	5	0.18
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	5	0.18
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	5	0.18
(1,976)	1:84:A:MET:HE1	1:86:A:LYS:HE2	14	0.18
(1,976)	1:84:A:MET:HE2	1:86:A:LYS:HE2	14	0.18
(1,976)	1:84:A:MET:HE3	1:86:A:LYS:HE2	14	0.18
(1,976)	1:84:A:MET:HE1	1:86:A:LYS:HE3	14	0.18
(1,976)	1:84:A:MET:HE2	1:86:A:LYS:HE3	14	0.18
(1,976)	1:84:A:MET:HE3	1:86:A:LYS:HE3	14	0.18
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	5	0.18
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	5	0.18
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	11	0.18
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	11	0.18
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	11	0.18
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	13	0.18
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	13	0.18
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	13	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	5	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	5	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	5	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	6	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	6	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	6	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	13	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	13	0.18
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	13	0.18
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	14	0.18
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	1	0.18
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	4	0.18
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	6	0.18
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	14	0.18
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	6	0.18
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	6	0.18
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	6	0.18
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	10	0.18
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	10	0.18
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	10	0.18
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	16	0.18
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	16	0.18
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	16	0.18
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	6	0.18
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	6	0.18
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	6	0.18
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	13	0.18
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	13	0.18
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	13	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	9	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	9	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	9	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	17	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	17	0.18
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE1	3	0.18
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE2	3	0.18
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE3	3	0.18
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE1	3	0.18
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE2	3	0.18
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE3	3	0.18
(1,765)	1:63:A:ILE:HG13	1:71:A:MET:HE1	2	0.18
(1,765)	1:63:A:ILE:HG13	1:71:A:MET:HE2	2	0.18
(1,765)	1:63:A:ILE:HG13	1:71:A:MET:HE3	2	0.18
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	5	0.18
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	5	0.18
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	5	0.18
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	5	0.18
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	5	0.18
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	5	0.18
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	14	0.18
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	14	0.18
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	14	0.18
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	14	0.18
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	14	0.18
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	14	0.18
(1,757)	1:70:A:LYS:HA	1:85:A:GLU:HG3	8	0.18
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	4	0.18
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	4	0.18
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	4	0.18
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	6	0.18
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	6	0.18
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	6	0.18
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	1	0.18
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	1	0.18
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	14	0.18
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	14	0.18
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	9	0.18
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	9	0.18
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	9	0.18
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	9	0.18
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	13	0.18
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	13	0.18
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	16	0.18
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	16	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	1	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	3	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	4	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	5	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	6	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	7	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	8	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	10	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	11	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	12	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	13	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	14	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	15	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	16	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	17	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	18	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	19	0.18
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	20	0.18
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	18	0.18
(1,614)	1:96:A:THR:H	1:57:A:ILE:HA	20	0.18
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD11	15	0.18
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD12	15	0.18
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD13	15	0.18
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD11	15	0.18
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD12	15	0.18
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD13	15	0.18
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD11	15	0.18
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD12	15	0.18
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD13	15	0.18
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	3	0.18
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	3	0.18
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	3	0.18
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD11	7	0.18
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD12	7	0.18
(1,583)	1:56:A:TYR:HB2	1:57:A:ILE:HD13	7	0.18
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	10	0.18
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	1	0.18
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	20	0.18
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	20	0.18
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	20	0.18
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	12	0.18
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	5	0.18
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	8	0.18
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	14	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	7	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	7	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	7	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	16	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	16	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	16	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	17	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	17	0.18
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	17	0.18
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	11	0.18
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	11	0.18
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	15	0.18
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	15	0.18
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	8	0.18
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	8	0.18
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	8	0.18
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	3	0.18
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	3	0.18
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	3	0.18
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG21	5	0.18
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG22	5	0.18
(1,405)	1:43:A:MET:HG2	1:79:A:ILE:HG23	5	0.18
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	2	0.18
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	7	0.18
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	19	0.18
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	19	0.18
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	19	0.18
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	19	0.18
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	19	0.18
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	19	0.18
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	19	0.18
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	19	0.18
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	19	0.18
(1,305)	1:34:A:LEU:HD11	1:35:A:GLU:HA	4	0.18
(1,305)	1:34:A:LEU:HD12	1:35:A:GLU:HA	4	0.18
(1,305)	1:34:A:LEU:HD13	1:35:A:GLU:HA	4	0.18
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	2	0.18
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	2	0.18
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	2	0.18
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	8	0.18
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	8	0.18
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	12	0.18
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	12	0.18
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	12	0.18
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD11	1	0.18
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD12	1	0.18
(1,270)	1:31:A:VAL:H	1:110:A:LEU:HD13	1	0.18
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	16	0.18
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	16	0.18
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	16	0.18
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	3	0.18
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	10	0.18
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	10	0.18
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	10	0.18
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	10	0.18
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	10	0.18
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	10	0.18
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	10	0.18
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	10	0.18
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	10	0.18
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	13	0.18
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	13	0.18
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	13	0.18
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	4	0.18
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	8	0.18
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	14	0.18
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	14	0.18
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	6	0.18
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	5	0.18
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	11	0.18
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	13	0.18
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	15	0.18
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG2	11	0.18
(1,111)	1:20:A:PHE:HB2	1:21:A:PRO:HG3	11	0.18
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG2	11	0.18
(1,111)	1:20:A:PHE:HB3	1:21:A:PRO:HG3	11	0.18
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	11	0.18
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	9	0.18
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	15	0.18
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	15	0.18
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	4	0.18
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	6	0.18
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	15	0.18
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	19	0.18
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	19	0.18
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	19	0.18
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	16	0.18
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	4	0.18
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	17	0.18
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	6	0.18
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	6	0.18
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	6	0.18
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	3	0.18
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	3	0.18
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	5	0.18
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	5	0.18
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	16	0.18
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	16	0.18
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	7	0.18
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	17	0.18
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	12	0.18
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	12	0.18
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	14	0.18
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	14	0.18
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	13	0.18
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	16	0.18
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	18	0.17
(2,102)	1:124:A:ALA:O	1:128:A:ARG:N	10	0.17
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	3	0.17
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	10	0.17
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	16	0.17
(2,84)	1:114:A:GLY:O	1:118:A:LYS:N	3	0.17
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	7	0.17
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	3	0.17
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	6	0.17
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	18	0.17
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	18	0.17
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	18	0.17
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	6	0.17
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	10	0.17
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	13	0.17
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	19	0.17
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	6	0.17
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	8	0.17
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	9	0.17
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	16	0.17
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	17	0.17
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	17	0.17
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	13	0.17
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	13	0.17
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	13	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	2	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	2	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	2	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	11	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	11	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	11	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	19	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	19	0.17
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	19	0.17
(1,2431)	1:226:A:ALA:HB1	1:225:A:GLU:HG2	9	0.17
(1,2431)	1:226:A:ALA:HB2	1:225:A:GLU:HG2	9	0.17
(1,2431)	1:226:A:ALA:HB3	1:225:A:GLU:HG2	9	0.17
(1,2431)	1:226:A:ALA:HB1	1:225:A:GLU:HG2	14	0.17
(1,2431)	1:226:A:ALA:HB2	1:225:A:GLU:HG2	14	0.17
(1,2431)	1:226:A:ALA:HB3	1:225:A:GLU:HG2	14	0.17
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	5	0.17
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	11	0.17
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	20	0.17
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	1	0.17
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	1	0.17
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	1	0.17
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	1	0.17
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	1	0.17
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	1	0.17
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	12	0.17
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	12	0.17
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	12	0.17
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	12	0.17
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	12	0.17
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	12	0.17
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	6	0.17
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	6	0.17
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	18	0.17
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	18	0.17
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	18	0.17
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	17	0.17
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	17	0.17
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	17	0.17
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	4	0.17
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	7	0.17
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	11	0.17
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD1	13	0.17
(1,2317)	1:220:A:LEU:HD11	1:204:A:PHE:HD2	13	0.17
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD1	13	0.17
(1,2317)	1:220:A:LEU:HD12	1:204:A:PHE:HD2	13	0.17
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD1	13	0.17
(1,2317)	1:220:A:LEU:HD13	1:204:A:PHE:HD2	13	0.17
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD11	15	0.17
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD12	15	0.17
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD13	15	0.17
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD21	15	0.17
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD22	15	0.17
(1,2313)	1:145:A:TRP:H	1:220:A:LEU:HD23	15	0.17
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	14	0.17
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	14	0.17
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	14	0.17
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	5	0.17
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	20	0.17
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	6	0.17
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	6	0.17
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	3	0.17
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	10	0.17
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	9	0.17
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	9	0.17
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	9	0.17
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	9	0.17
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	9	0.17
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	9	0.17
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	16	0.17
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	16	0.17
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	16	0.17
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	16	0.17
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	16	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	1	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	1	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	1	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	1	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	1	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	1	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	9	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	9	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	9	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	9	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	9	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	9	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	17	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	17	0.17
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	17	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	17	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	17	0.17
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	17	0.17
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	1	0.17
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	1	0.17
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	1	0.17
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	16	0.17
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	16	0.17
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	16	0.17
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	15	0.17
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	15	0.17
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	15	0.17
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	9	0.17
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	9	0.17
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	9	0.17
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	9	0.17
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	9	0.17
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	9	0.17
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	16	0.17
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	2	0.17
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	17	0.17
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	18	0.17
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	3	0.17
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	7	0.17
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	9	0.17
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	19	0.17
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	20	0.17
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	13	0.17
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	6	0.17
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	14	0.17
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	7	0.17
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	7	0.17
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	7	0.17
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	2	0.17
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	2	0.17
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	2	0.17
(1,1995)	1:189:A:ILE:HG21	1:189:A:ILE:H	19	0.17
(1,1995)	1:189:A:ILE:HG22	1:189:A:ILE:H	19	0.17
(1,1995)	1:189:A:ILE:HG23	1:189:A:ILE:H	19	0.17
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	11	0.17
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	11	0.17
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	11	0.17
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	4	0.17
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	20	0.17
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	11	0.17
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	11	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	12	0.17
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	12	0.17
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	5	0.17
(1,1864)	1:167:A:HIS:HB3	1:168:A:ILE:HG21	13	0.17
(1,1864)	1:167:A:HIS:HB3	1:168:A:ILE:HG22	13	0.17
(1,1864)	1:167:A:HIS:HB3	1:168:A:ILE:HG23	13	0.17
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	14	0.17
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	14	0.17
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	14	0.17
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	19	0.17
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	6	0.17
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	6	0.17
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	6	0.17
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	7	0.17
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	7	0.17
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	7	0.17
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	7	0.17
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	7	0.17
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	7	0.17
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	7	0.17
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	7	0.17
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	16	0.17
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	13	0.17
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	1	0.17
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	1	0.17
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	1	0.17
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD21	5	0.17
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD22	5	0.17
(1,1730)	1:152:A:ASN:H	1:193:A:LEU:HD23	5	0.17
(1,1703)	1:150:A:GLU:H	1:151:A:SER:H	3	0.17
(1,1703)	1:150:A:GLU:H	1:151:A:SER:H	8	0.17
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	4	0.17
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	8	0.17
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	18	0.17
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	1	0.17
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	1	0.17
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	1	0.17
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	1	0.17
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	5	0.17
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	3	0.17
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	8	0.17
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	6	0.17
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	9	0.17
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	9	0.17
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	9	0.17
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	9	0.17
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	3	0.17
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	9	0.17
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	15	0.17
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	18	0.17
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	17	0.17
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	17	0.17
(1,1508)	1:128:A:ARG:HE	1:128:A:ARG:HB2	18	0.17
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	1	0.17
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	6	0.17
(1,1489)	1:126:A:PHE:HD1	1:127:A:GLN:HE22	17	0.17
(1,1489)	1:126:A:PHE:HD2	1:127:A:GLN:HE22	17	0.17
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	6	0.17
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	6	0.17
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	15	0.17
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	15	0.17
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	17	0.17
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	17	0.17
(1,1450)	1:33:A:ILE:HG21	1:124:A:ALA:HA	18	0.17
(1,1450)	1:33:A:ILE:HG22	1:124:A:ALA:HA	18	0.17
(1,1450)	1:33:A:ILE:HG23	1:124:A:ALA:HA	18	0.17
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	3	0.17
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	3	0.17
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	3	0.17
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	3	0.17
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	3	0.17
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	3	0.17
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	3	0.17
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	3	0.17
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	3	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	2	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	2	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	2	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	4	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	4	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	4	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	8	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	8	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	8	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	14	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	14	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	14	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	19	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	19	0.17
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	19	0.17
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	11	0.17
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	11	0.17
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	11	0.17
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD11	4	0.17
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD12	4	0.17
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD13	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	2	0.17
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	2	0.17
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	2	0.17
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	3	0.17
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	3	0.17
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	3	0.17
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	10	0.17
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	10	0.17
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	10	0.17
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	11	0.17
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	11	0.17
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	11	0.17
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	17	0.17
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	17	0.17
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	17	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	2	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	2	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	2	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	2	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	2	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	2	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	16	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	16	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	16	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	16	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	16	0.17
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	16	0.17
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	7	0.17
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	7	0.17
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	7	0.17
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	10	0.17
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	6	0.17
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	6	0.17
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	6	0.17
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	10	0.17
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	10	0.17
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	10	0.17
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	10	0.17
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	10	0.17
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	10	0.17
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	11	0.17
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	11	0.17
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	11	0.17
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	11	0.17
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	11	0.17
(1,1106)	1:53:A:LYS:H	1:99:A:ILE:HG21	2	0.17
(1,1106)	1:53:A:LYS:H	1:99:A:ILE:HG22	2	0.17
(1,1106)	1:53:A:LYS:H	1:99:A:ILE:HG23	2	0.17
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	12	0.17
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	12	0.17
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	12	0.17
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	5	0.17
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	5	0.17
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	5	0.17
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	13	0.17
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	13	0.17
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	13	0.17
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	3	0.17
(1,1091)	1:98:A:GLN:HB3	1:98:A:GLN:HE21	17	0.17
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	1	0.17
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	7	0.17
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	12	0.17
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	20	0.17
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	8	0.17
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	4	0.17
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	12	0.17
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	12	0.17
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	12	0.17
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	19	0.17
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	19	0.17
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	19	0.17
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	13	0.17
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	6	0.17
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	9	0.17
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	9	0.17
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	9	0.17
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	9	0.17
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	9	0.17
(1,961)	1:33:A:ILE:HG21	1:85:A:GLU:HA	16	0.17
(1,961)	1:33:A:ILE:HG22	1:85:A:GLU:HA	16	0.17
(1,961)	1:33:A:ILE:HG23	1:85:A:GLU:HA	16	0.17
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	14	0.17
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	14	0.17
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	14	0.17
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	14	0.17
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	14	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	1	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	1	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	1	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	1	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	1	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	1	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	7	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	7	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	7	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	7	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	7	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	7	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	13	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	13	0.17
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	13	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	13	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	13	0.17
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	13	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	3	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	7	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	10	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	12	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	13	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	15	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	16	0.17
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	17	0.17
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	7	0.17
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	9	0.17
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	5	0.17
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	5	0.17
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	5	0.17
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	6	0.17
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	6	0.17
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	6	0.17
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	1	0.17
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	1	0.17
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	1	0.17
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	1	0.17
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	1	0.17
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	4	0.17
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	4	0.17
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	4	0.17
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	3	0.17
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	3	0.17
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	3	0.17
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	4	0.17
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	4	0.17
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	2	0.17
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	2	0.17
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	10	0.17
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	9	0.17
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	9	0.17
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	9	0.17
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD11	16	0.17
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD12	16	0.17
(1,680)	1:96:A:THR:H	1:63:A:ILE:HD13	16	0.17
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	19	0.17
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	19	0.17
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	19	0.17
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	5	0.17
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	15	0.17
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	15	0.17
(1,630)	1:59:A:ASN:HD21	1:59:A:ASN:HD22	9	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	2	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	2	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	16	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	16	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	17	0.17
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	17	0.17
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	2	0.17
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	9	0.17
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	11	0.17
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	6	0.17
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	6	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	6	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	6	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	6	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	6	0.17
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	8	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	8	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	8	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	8	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	8	0.17
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	18	0.17
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	18	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	18	0.17
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	18	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	18	0.17
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	18	0.17
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	7	0.17
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	7	0.17
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	7	0.17
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	12	0.17
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	12	0.17
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	12	0.17
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	14	0.17
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	14	0.17
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	14	0.17
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	19	0.17
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	19	0.17
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	19	0.17
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	16	0.17
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	16	0.17
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	16	0.17
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	16	0.17
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	16	0.17
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	16	0.17
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	16	0.17
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	16	0.17
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	16	0.17
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD2	4	0.17
(1,517)	1:53:A:LYS:H	1:53:A:LYS:HD3	4	0.17
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	4	0.17
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	9	0.17
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	9	0.17
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	9	0.17
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	12	0.17
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	12	0.17
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	12	0.17
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	8	0.17
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	8	0.17
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	8	0.17
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	8	0.17
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	11	0.17
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	11	0.17
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	11	0.17
(1,287)	1:34:A:LEU:H	1:33:A:ILE:HB	10	0.17
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	9	0.17
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	9	0.17
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	9	0.17
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	19	0.17
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	19	0.17
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	19	0.17
(1,282)	1:31:A:VAL:HG21	1:33:A:ILE:HB	14	0.17
(1,282)	1:31:A:VAL:HG22	1:33:A:ILE:HB	14	0.17
(1,282)	1:31:A:VAL:HG23	1:33:A:ILE:HB	14	0.17
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	1	0.17
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	1	0.17
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	1	0.17
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	17	0.17
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	17	0.17
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	17	0.17
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	4	0.17
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	13	0.17
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	14	0.17
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	14	0.17
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	14	0.17
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG21	1	0.17
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG22	1	0.17
(1,228)	1:29:A:LEU:HD21	1:80:A:ILE:HG23	1	0.17
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG21	1	0.17
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG22	1	0.17
(1,228)	1:29:A:LEU:HD22	1:80:A:ILE:HG23	1	0.17
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG21	1	0.17
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG22	1	0.17
(1,228)	1:29:A:LEU:HD23	1:80:A:ILE:HG23	1	0.17
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	15	0.17
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	20	0.17
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	14	0.17
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	18	0.17
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	6	0.17
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	6	0.17
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	6	0.17
(1,96)	1:20:A:PHE:HD1	1:19:A:LYS:HA	5	0.17
(1,96)	1:20:A:PHE:HD2	1:19:A:LYS:HA	5	0.17
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	5	0.17
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	11	0.17
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	11	0.17
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	11	0.17
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	7	0.17
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	7	0.17
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	7	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	3	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	3	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	3	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	4	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	4	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	4	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	13	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	13	0.17
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	13	0.17
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	10	0.17
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	17	0.17
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	18	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	2	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	2	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	2	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	9	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	9	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	9	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	17	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	17	0.17
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	17	0.17
(1,62)	1:12:A:LEU:HB3	1:13:A:ALA:HA	11	0.17
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	3	0.17
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	4	0.17
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	2	0.17
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	12	0.17
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	12	0.17
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	12	0.17
(1,32)	1:8:A:MET:H	1:10:A:ARG:HD3	20	0.17
(1,32)	1:8:A:MET:H	1:10:A:ARG:HD2	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	17	0.17
(1,22)	1:9:A:LYS:H	1:8:A:MET:HA	7	0.17
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	6	0.17
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	11	0.17
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	10	0.17
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	10	0.17
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	15	0.17
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	20	0.16
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	10	0.16
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	18	0.16
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	7	0.16
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	15	0.16
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	7	0.16
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	7	0.16
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	19	0.16
(2,45)	1:70:A:LYS:H	1:83:A:PHE:O	8	0.16
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	13	0.16
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	19	0.16
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	20	0.16
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	3	0.16
(2,3)	1:10:A:ARG:H	1:6:A:GLU:O	6	0.16
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	1	0.16
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	12	0.16
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	15	0.16
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	10	0.16
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	15	0.16
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	15	0.16
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	18	0.16
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	18	0.16
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	19	0.16
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	19	0.16
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	20	0.16
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	20	0.16
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	5	0.16
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	5	0.16
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	5	0.16
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	13	0.16
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	13	0.16
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	13	0.16
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	17	0.16
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	17	0.16
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	18	0.16
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	18	0.16
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	18	0.16
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	5	0.16
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	5	0.16
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	5	0.16
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	11	0.16
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	11	0.16
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	11	0.16
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	10	0.16
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	16	0.16
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	4	0.16
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	4	0.16
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	4	0.16
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	13	0.16
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	13	0.16
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	13	0.16
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	15	0.16
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	15	0.16
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	15	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	7	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	7	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	7	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	13	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	13	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	13	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	16	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	16	0.16
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	16	0.16
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	13	0.16
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	13	0.16
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	13	0.16
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	16	0.16
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	16	0.16
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	16	0.16
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD11	2	0.16
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD12	2	0.16
(1,2308)	1:220:A:LEU:H	1:143:A:LEU:HD13	2	0.16
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	18	0.16
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	1	0.16
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	1	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	2	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	2	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	2	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	2	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	2	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	8	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	8	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	8	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	8	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	8	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	8	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	10	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	10	0.16
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	10	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	10	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	10	0.16
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	10	0.16
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	11	0.16
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	11	0.16
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	11	0.16
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	14	0.16
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	14	0.16
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	14	0.16
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	16	0.16
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	16	0.16
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	16	0.16
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	6	0.16
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	6	0.16
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	6	0.16
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	6	0.16
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	6	0.16
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	6	0.16
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	3	0.16
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	5	0.16
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	6	0.16
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	7	0.16
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	7	0.16
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	2	0.16
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	9	0.16
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	11	0.16
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	12	0.16
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	12	0.16
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	12	0.16
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	19	0.16
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	19	0.16
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	19	0.16
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	14	0.16
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	14	0.16
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	14	0.16
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	15	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	4	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	4	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	4	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	6	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	6	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	6	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	8	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	8	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	8	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD21	14	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD22	14	0.16
(1,2041)	1:195:A:THR:HB	1:193:A:LEU:HD23	14	0.16
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	1	0.16
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	1	0.16
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	1	0.16
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	8	0.16
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	8	0.16
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	8	0.16
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	18	0.16
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	2	0.16
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	2	0.16
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	5	0.16
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	5	0.16
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	20	0.16
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	20	0.16
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	20	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	2	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	16	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	17	0.16
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	17	0.16
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	1	0.16
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	1	0.16
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	1	0.16
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	2	0.16
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	2	0.16
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	2	0.16
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	19	0.16
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	4	0.16
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	17	0.16
(1,1846)	1:162:A:ILE:HG21	1:167:A:HIS:HB2	13	0.16
(1,1846)	1:162:A:ILE:HG22	1:167:A:HIS:HB2	13	0.16
(1,1846)	1:162:A:ILE:HG23	1:167:A:HIS:HB2	13	0.16
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	13	0.16
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	13	0.16
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	13	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	1	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	6	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	13	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	16	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	17	0.16
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	19	0.16
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	5	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	5	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	5	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	13	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	13	0.16
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	13	0.16
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	4	0.16
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	4	0.16
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	4	0.16
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	10	0.16
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	10	0.16
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	10	0.16
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	7	0.16
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	11	0.16
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	13	0.16
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	13	0.16
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	13	0.16
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	6	0.16
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	7	0.16
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	9	0.16
(1,1622)	1:142:A:TYR:H	1:159:A:VAL:HA	13	0.16
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA2	16	0.16
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA3	16	0.16
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	1	0.16
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	12	0.16
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	12	0.16
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	12	0.16
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	13	0.16
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	10	0.16
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	10	0.16
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	10	0.16
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	2	0.16
(1,1516)	1:129:A:GLN:H	1:129:A:GLN:HG3	8	0.16
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	15	0.16
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	12	0.16
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	12	0.16
(1,1506)	1:37:A:GLY:HA2	1:128:A:ARG:H	13	0.16
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	17	0.16
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	17	0.16
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	16	0.16
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	16	0.16
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	4	0.16
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	4	0.16
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	4	0.16
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	17	0.16
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	17	0.16
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	17	0.16
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD3	5	0.16
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD3	5	0.16
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD3	5	0.16
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD2	5	0.16
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD2	5	0.16
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD2	5	0.16
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD3	18	0.16
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD3	18	0.16
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD3	18	0.16
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD2	18	0.16
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD2	18	0.16
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD2	18	0.16
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	17	0.16
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	17	0.16
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	17	0.16
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	13	0.16
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	2	0.16
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	2	0.16
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	2	0.16
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	19	0.16
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	19	0.16
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	19	0.16
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	6	0.16
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	6	0.16
(1,1273)	1:113:A:ILE:HG21	1:113:A:ILE:HG13	8	0.16
(1,1273)	1:113:A:ILE:HG22	1:113:A:ILE:HG13	8	0.16
(1,1273)	1:113:A:ILE:HG23	1:113:A:ILE:HG13	8	0.16
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	15	0.16
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	15	0.16
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	15	0.16
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	7	0.16
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	7	0.16
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	7	0.16
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	4	0.16
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	4	0.16
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	10	0.16
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	10	0.16
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	10	0.16
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	15	0.16
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	15	0.16
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	15	0.16
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	2	0.16
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	2	0.16
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	2	0.16
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	4	0.16
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	4	0.16
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	4	0.16
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	10	0.16
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	10	0.16
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	10	0.16
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	16	0.16
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	16	0.16
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	16	0.16
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	7	0.16
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	7	0.16
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	7	0.16
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	10	0.16
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	10	0.16
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	10	0.16
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	9	0.16
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	9	0.16
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	9	0.16
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	12	0.16
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	12	0.16
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	12	0.16
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	15	0.16
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	15	0.16
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	15	0.16
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	15	0.16
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	15	0.16
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	15	0.16
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	7	0.16
(1,1126)	1:99:A:ILE:HD11	1:107:A:HIS:HA	5	0.16
(1,1126)	1:99:A:ILE:HD12	1:107:A:HIS:HA	5	0.16
(1,1126)	1:99:A:ILE:HD13	1:107:A:HIS:HA	5	0.16
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	2	0.16
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	2	0.16
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	2	0.16
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	2	0.16
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	2	0.16
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	4	0.16
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	4	0.16
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	4	0.16
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	1	0.16
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	1	0.16
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	1	0.16
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	14	0.16
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	16	0.16
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	17	0.16
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	19	0.16
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	2	0.16
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	18	0.16
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	1	0.16
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	9	0.16
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	9	0.16
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	9	0.16
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	15	0.16
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	15	0.16
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	15	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	12	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	12	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	12	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	14	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	14	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	14	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	18	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	18	0.16
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	18	0.16
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	2	0.16
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	19	0.16
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	2	0.16
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	2	0.16
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	3	0.16
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	3	0.16
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	7	0.16
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	7	0.16
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	7	0.16
(1,987)	1:88:A:GLN:H	1:86:A:LYS:HD2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	6	0.16
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	6	0.16
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	6	0.16
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	7	0.16
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	7	0.16
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	7	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	6	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	6	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	6	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	18	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	18	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	18	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	20	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	20	0.16
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	20	0.16
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	10	0.16
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	15	0.16
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	20	0.16
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	8	0.16
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	8	0.16
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	8	0.16
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	8	0.16
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	8	0.16
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	8	0.16
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	18	0.16
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	18	0.16
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	18	0.16
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	18	0.16
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	18	0.16
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	18	0.16
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	9	0.16
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	9	0.16
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	9	0.16
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	2	0.16
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	8	0.16
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	18	0.16
(1,878)	1:80:A:ILE:H	1:79:A:ILE:HB	20	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	4	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	4	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	4	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	7	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	7	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	14	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	14	0.16
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	14	0.16
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	2	0.16
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	12	0.16
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	15	0.16
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	16	0.16
(1,845)	1:43:A:MET:HE1	1:78:A:GLY:HA2	16	0.16
(1,845)	1:43:A:MET:HE2	1:78:A:GLY:HA2	16	0.16
(1,845)	1:43:A:MET:HE3	1:78:A:GLY:HA2	16	0.16
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	5	0.16
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	5	0.16
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	5	0.16
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	3	0.16
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	3	0.16
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	3	0.16
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	4	0.16
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	4	0.16
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	4	0.16
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	16	0.16
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	16	0.16
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	16	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	8	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	8	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	8	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	9	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	9	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	9	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	20	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	20	0.16
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	20	0.16
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	12	0.16
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	12	0.16
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	12	0.16
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	20	0.16
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	20	0.16
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	20	0.16
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	2	0.16
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	2	0.16
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	6	0.16
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	8	0.16
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	8	0.16
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	13	0.16
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	13	0.16
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	16	0.16
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	16	0.16
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	19	0.16
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	19	0.16
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	7	0.16
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	7	0.16
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	7	0.16
(1,656)	1:63:A:ILE:HG21	1:61:A:LYS:HD2	13	0.16
(1,656)	1:63:A:ILE:HG22	1:61:A:LYS:HD2	13	0.16
(1,656)	1:63:A:ILE:HG23	1:61:A:LYS:HD2	13	0.16
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	19	0.16
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	19	0.16
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	9	0.16
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	9	0.16
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	17	0.16
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	13	0.16
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	13	0.16
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	13	0.16
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD11	16	0.16
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD12	16	0.16
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD13	16	0.16
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD11	16	0.16
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD12	16	0.16
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD13	16	0.16
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD11	16	0.16
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD12	16	0.16
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD13	16	0.16
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	9	0.16
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	6	0.16
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	13	0.16
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	18	0.16
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	3	0.16
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	3	0.16
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	3	0.16
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	18	0.16
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	18	0.16
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	18	0.16
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	11	0.16
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	11	0.16
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	13	0.16
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	13	0.16
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	13	0.16
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	15	0.16
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	15	0.16
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	15	0.16
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	8	0.16
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	8	0.16
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	8	0.16
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	15	0.16
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	15	0.16
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	15	0.16
(1,382)	1:41:A:PHE:HA	1:40:A:ARG:HG2	2	0.16
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	6	0.16
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	6	0.16
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	6	0.16
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	6	0.16
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	6	0.16
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	6	0.16
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	6	0.16
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	6	0.16
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	6	0.16
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	12	0.16
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	12	0.16
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	12	0.16
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	12	0.16
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	12	0.16
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	12	0.16
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	12	0.16
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	12	0.16
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	12	0.16
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	5	0.16
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	17	0.16
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	17	0.16
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	17	0.16
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	3	0.16
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	3	0.16
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	3	0.16
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	7	0.16
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	7	0.16
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	10	0.16
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	10	0.16
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	10	0.16
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	11	0.16
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	11	0.16
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	11	0.16
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	20	0.16
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	20	0.16
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	20	0.16
(1,251)	1:30:A:ALA:HB1	1:42:A:TRP:HH2	3	0.16
(1,251)	1:30:A:ALA:HB2	1:42:A:TRP:HH2	3	0.16
(1,251)	1:30:A:ALA:HB3	1:42:A:TRP:HH2	3	0.16
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	5	0.16
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	20	0.16
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD21	16	0.16
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD22	16	0.16
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD23	16	0.16
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	4	0.16
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	4	0.16
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	4	0.16
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	2	0.16
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	5	0.16
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	17	0.16
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	2	0.16
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	3	0.16
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	16	0.16
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	1	0.16
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	2	0.16
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	6	0.16
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	17	0.16
(1,109)	1:20:A:PHE:H	1:21:A:PRO:HD3	7	0.16
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	6	0.16
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	6	0.16
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	6	0.16
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	2	0.16
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	2	0.16
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	2	0.16
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	20	0.16
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	20	0.16
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	20	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	1	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	1	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	8	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	8	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	8	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD11	16	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD12	16	0.16
(1,76)	1:14:A:LEU:HA	1:14:A:LEU:HD13	16	0.16
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	2	0.16
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	3	0.16
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	9	0.16
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	13	0.16
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	19	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	1	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	1	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	1	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	11	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	11	0.16
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	11	0.16
(1,62)	1:12:A:LEU:HB3	1:13:A:ALA:HA	8	0.16
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	17	0.16
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	13	0.16
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	13	0.16
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	2	0.16
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	19	0.16
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	20	0.16
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	1	0.16
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	9	0.16
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	14	0.16
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	15	0.16
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	15	0.16
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	2	0.16
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	13	0.16
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	13	0.16
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	15	0.16
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	16	0.16
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	2	0.16
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	2	0.16
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB2	7	0.16
(1,7)	1:6:A:GLU:H	1:6:A:GLU:HB3	7	0.16
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	6	0.16
(1,6)	1:6:A:GLU:H	1:6:A:GLU:HG3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,125)	1:172:A:LYS:H	1:175:A:ARG:O	3	0.15
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	11	0.15
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	14	0.15
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	10	0.15
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	11	0.15
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	7	0.15
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	9	0.15
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	2	0.15
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	3	0.15
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	4	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	4	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	4	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	4	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	12	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	12	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	12	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	15	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	15	0.15
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	15	0.15
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	2	0.15
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	4	0.15
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	16	0.15
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	18	0.15
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	18	0.15
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	18	0.15
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	18	0.15
(1,2478)	1:227:A:PHE:HB3	1:228:A:GLN:H	8	0.15
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	10	0.15
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	10	0.15
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	6	0.15
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	6	0.15
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	6	0.15
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	7	0.15
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	7	0.15
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	7	0.15
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	11	0.15
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	11	0.15
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	11	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	1	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	1	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	1	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	4	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	4	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	14	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	14	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	14	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	15	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	15	0.15
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	15	0.15
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	17	0.15
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	16	0.15
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	16	0.15
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	16	0.15
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	16	0.15
(1,2399)	1:225:A:GLU:H	1:224:A:ASP:HA	7	0.15
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	18	0.15
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	18	0.15
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	18	0.15
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	18	0.15
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	18	0.15
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	18	0.15
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	12	0.15
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	12	0.15
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	12	0.15
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	19	0.15
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	19	0.15
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	19	0.15
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	1	0.15
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	1	0.15
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	1	0.15
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	5	0.15
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	5	0.15
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	5	0.15
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	1	0.15
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	1	0.15
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	1	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	2	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	2	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	2	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	8	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	8	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	8	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	9	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	9	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	11	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	11	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	11	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	15	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	15	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	15	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	18	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	18	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	18	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	19	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	19	0.15
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	19	0.15
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	4	0.15
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	4	0.15
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	4	0.15
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	10	0.15
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	10	0.15
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	13	0.15
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	15	0.15
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	14	0.15
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	7	0.15
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	7	0.15
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	7	0.15
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	7	0.15
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	7	0.15
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	7	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	13	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	13	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	13	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	13	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	13	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	13	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	14	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	14	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	14	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	14	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	14	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	14	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	20	0.15
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	20	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	20	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	20	0.15
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	20	0.15
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	15	0.15
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	15	0.15
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	15	0.15
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	7	0.15
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	7	0.15
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	20	0.15
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	20	0.15
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	20	0.15
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	4	0.15
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	4	0.15
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	4	0.15
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	4	0.15
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	4	0.15
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	4	0.15
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	16	0.15
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	16	0.15
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	16	0.15
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	16	0.15
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	16	0.15
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	16	0.15
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	12	0.15
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	19	0.15
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	3	0.15
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	3	0.15
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	15	0.15
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	17	0.15
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	17	0.15
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	17	0.15
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	13	0.15
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	13	0.15
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	13	0.15
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	5	0.15
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	5	0.15
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	5	0.15
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	5	0.15
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	5	0.15
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	5	0.15
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	10	0.15
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	10	0.15
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	10	0.15
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	10	0.15
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	10	0.15
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	13	0.15
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	13	0.15
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	13	0.15
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	20	0.15
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	20	0.15
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	20	0.15
(1,1957)	1:176:A:GLU:HA	1:179:A:VAL:H	7	0.15
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	16	0.15
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	2	0.15
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	9	0.15
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	9	0.15
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	19	0.15
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	19	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	8	0.15
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	8	0.15
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	6	0.15
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	6	0.15
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	6	0.15
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	7	0.15
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	7	0.15
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	7	0.15
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG21	13	0.15
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG22	13	0.15
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG23	13	0.15
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG21	17	0.15
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG22	17	0.15
(1,1861)	1:210:A:LYS:H	1:166:A:THR:HG23	17	0.15
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	3	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	5	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	5	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	17	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	17	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	17	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	19	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	19	0.15
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	19	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	3	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	4	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	5	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	7	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	8	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	9	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	10	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	11	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	12	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	18	0.15
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	20	0.15
(1,1813)	1:157:A:CYS:H	1:156:A:LYS:HB3	9	0.15
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	18	0.15
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	20	0.15
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	20	0.15
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	20	0.15
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	8	0.15
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	8	0.15
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	8	0.15
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	9	0.15
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	9	0.15
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	9	0.15
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	15	0.15
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	15	0.15
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	15	0.15
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	6	0.15
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	6	0.15
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	6	0.15
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG21	5	0.15
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG22	5	0.15
(1,1770)	1:153:A:VAL:HG11	1:194:A:ILE:HG23	5	0.15
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG21	5	0.15
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG22	5	0.15
(1,1770)	1:153:A:VAL:HG12	1:194:A:ILE:HG23	5	0.15
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG21	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG22	5	0.15
(1,1770)	1:153:A:VAL:HG13	1:194:A:ILE:HG23	5	0.15
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	1	0.15
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	2	0.15
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	5	0.15
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	7	0.15
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	3	0.15
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	3	0.15
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	3	0.15
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	13	0.15
(1,1605)	1:141:A:GLU:HB3	1:159:A:VAL:HA	7	0.15
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG3	2	0.15
(1,1597)	1:136:A:GLY:H	1:135:A:GLN:HG2	2	0.15
(1,1591)	1:135:A:GLN:H	1:135:A:GLN:HE21	5	0.15
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	2	0.15
(1,1583)	1:135:A:GLN:HE21	1:135:A:GLN:HB3	9	0.15
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	8	0.15
(1,1575)	1:132:A:ILE:HG13	1:135:A:GLN:H	1	0.15
(1,1572)	1:135:A:GLN:HE22	1:131:A:TRP:HZ2	17	0.15
(1,1570)	1:135:A:GLN:HE21	1:131:A:TRP:HZ2	7	0.15
(1,1569)	1:131:A:TRP:HE1	1:135:A:GLN:HE22	11	0.15
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	18	0.15
(1,1560)	1:133:A:ARG:H	1:132:A:ILE:HB	20	0.15
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG21	15	0.15
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG22	15	0.15
(1,1545)	1:131:A:TRP:HE3	1:132:A:ILE:HG23	15	0.15
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	9	0.15
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	12	0.15
(1,1530)	1:129:A:GLN:HG2	1:132:A:ILE:HD11	9	0.15
(1,1530)	1:129:A:GLN:HG2	1:132:A:ILE:HD12	9	0.15
(1,1530)	1:129:A:GLN:HG2	1:132:A:ILE:HD13	9	0.15
(1,1530)	1:129:A:GLN:HG3	1:132:A:ILE:HD11	9	0.15
(1,1530)	1:129:A:GLN:HG3	1:132:A:ILE:HD12	9	0.15
(1,1530)	1:129:A:GLN:HG3	1:132:A:ILE:HD13	9	0.15
(1,1526)	1:129:A:GLN:HG2	1:129:A:GLN:HE22	13	0.15
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	14	0.15
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	8	0.15
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	8	0.15
(1,1502)	1:127:A:GLN:HE22	1:127:A:GLN:HB3	16	0.15
(1,1470)	1:125:A:GLU:HA	1:129:A:GLN:H	6	0.15
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	20	0.15
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	20	0.15
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	20	0.15
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	20	0.15
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	20	0.15
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	20	0.15
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	20	0.15
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	20	0.15
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	3	0.15
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	3	0.15
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	3	0.15
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	7	0.15
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	7	0.15
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	7	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	3	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	3	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	14	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	14	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	16	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	16	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	19	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	19	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	20	0.15
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	20	0.15
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD11	8	0.15
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD12	8	0.15
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD13	8	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	14	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	14	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	14	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	14	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	14	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	14	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	18	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	18	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	18	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	18	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	18	0.15
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	18	0.15
(1,1357)	1:118:A:LYS:HD3	1:119:A:LYS:H	10	0.15
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	10	0.15
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG11	8	0.15
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG12	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG13	8	0.15
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	6	0.15
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	6	0.15
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	6	0.15
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	12	0.15
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG21	2	0.15
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG22	2	0.15
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG23	2	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	7	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	7	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	7	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	11	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	11	0.15
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	11	0.15
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	3	0.15
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	3	0.15
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	3	0.15
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	15	0.15
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	15	0.15
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	15	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	7	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	7	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	7	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	7	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	7	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	7	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	10	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	10	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	10	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	10	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	10	0.15
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	10	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	9	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	9	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	9	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	13	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	13	0.15
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	13	0.15
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	2	0.15
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	2	0.15
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	2	0.15
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	14	0.15
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	14	0.15
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	17	0.15
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	17	0.15
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	17	0.15
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	2	0.15
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	2	0.15
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	2	0.15
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	17	0.15
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	17	0.15
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	17	0.15
(1,1158)	1:104:A:ALA:H	1:100:A:GLN:HB2	9	0.15
(1,1147)	1:101:A:ASP:H	1:100:A:GLN:HG3	8	0.15
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	4	0.15
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	9	0.15
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	14	0.15
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	17	0.15
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	18	0.15
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	19	0.15
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	1	0.15
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	1	0.15
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	1	0.15
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	3	0.15
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	3	0.15
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	3	0.15
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	14	0.15
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	14	0.15
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	14	0.15
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	14	0.15
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	14	0.15
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	14	0.15
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	17	0.15
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	17	0.15
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	17	0.15
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	17	0.15
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	17	0.15
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	17	0.15
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	18	0.15
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	18	0.15
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	18	0.15
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	18	0.15
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	18	0.15
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	9	0.15
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	9	0.15
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	9	0.15
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	3	0.15
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	3	0.15
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	3	0.15
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	1	0.15
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	13	0.15
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	19	0.15
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	11	0.15
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	14	0.15
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	13	0.15
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	16	0.15
(1,1078)	1:98:A:GLN:H	1:62:A:GLU:HA	19	0.15
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	2	0.15
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	6	0.15
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	17	0.15
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	8	0.15
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	12	0.15
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	14	0.15
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	19	0.15
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	4	0.15
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	4	0.15
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	4	0.15
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	5	0.15
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	5	0.15
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	5	0.15
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	16	0.15
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	16	0.15
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	16	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	5	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	5	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	5	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	6	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	6	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	6	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	8	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	8	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	8	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	13	0.15
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	13	0.15
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	9	0.15
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	10	0.15
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	14	0.15
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	6	0.15
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	6	0.15
(1,1003)	1:88:A:GLN:HE21	1:86:A:LYS:HE2	13	0.15
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	8	0.15
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	8	0.15
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	8	0.15
(1,987)	1:88:A:GLN:H	1:86:A:LYS:HD2	18	0.15
(1,987)	1:88:A:GLN:H	1:86:A:LYS:HD2	19	0.15
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	2	0.15
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	2	0.15
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	2	0.15
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	3	0.15
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	3	0.15
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	3	0.15
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	16	0.15
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	16	0.15
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	16	0.15
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	12	0.15
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	12	0.15
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	12	0.15
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	3	0.15
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	3	0.15
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	3	0.15
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	3	0.15
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	3	0.15
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	3	0.15
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	12	0.15
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	12	0.15
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	12	0.15
(1,861)	1:79:A:ILE:HD11	1:40:A:ARG:HE	12	0.15
(1,861)	1:79:A:ILE:HD12	1:40:A:ARG:HE	12	0.15
(1,861)	1:79:A:ILE:HD13	1:40:A:ARG:HE	12	0.15
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	13	0.15
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	14	0.15
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	18	0.15
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG21	4	0.15
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG22	4	0.15
(1,834)	1:76:A:ASN:HD21	1:77:A:THR:HG23	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:73:A:ILE:HD11	1:75:A:ARG:HH21	9	0.15
(1,807)	1:73:A:ILE:HD12	1:75:A:ARG:HH21	9	0.15
(1,807)	1:73:A:ILE:HD13	1:75:A:ARG:HH21	9	0.15
(1,807)	1:73:A:ILE:HD11	1:75:A:ARG:HH21	15	0.15
(1,807)	1:73:A:ILE:HD12	1:75:A:ARG:HH21	15	0.15
(1,807)	1:73:A:ILE:HD13	1:75:A:ARG:HH21	15	0.15
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	15	0.15
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	15	0.15
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	15	0.15
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	7	0.15
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	7	0.15
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	7	0.15
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	11	0.15
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	11	0.15
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	3	0.15
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	3	0.15
(1,686)	1:64:A:PHE:H	1:64:A:PHE:HD1	2	0.15
(1,686)	1:64:A:PHE:H	1:64:A:PHE:HD2	2	0.15
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	4	0.15
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	4	0.15
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	4	0.15
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	4	0.15
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	4	0.15
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	4	0.15
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	7	0.15
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	7	0.15
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	7	0.15
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	7	0.15
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	7	0.15
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	7	0.15
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	8	0.15
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	6	0.15
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	6	0.15
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	7	0.15
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	7	0.15
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	19	0.15
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	19	0.15
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	19	0.15
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	3	0.15
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	3	0.15
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	3	0.15
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	8	0.15
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	8	0.15
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	6	0.15
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	13	0.15
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	16	0.15
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	10	0.15
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	10	0.15
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	10	0.15
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	20	0.15
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	5	0.15
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	11	0.15
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	2	0.15
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	10	0.15
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	17	0.15
(1,447)	1:46:A:GLU:HA	1:47:A:LYS:H	8	0.15
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	10	0.15
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	10	0.15
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	10	0.15
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	14	0.15
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	14	0.15
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	14	0.15
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB1	8	0.15
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB2	8	0.15
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB3	8	0.15
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB1	8	0.15
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB2	8	0.15
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB3	8	0.15
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB1	8	0.15
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB2	8	0.15
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB3	8	0.15
(1,382)	1:41:A:PHE:HA	1:40:A:ARG:HG2	12	0.15
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	9	0.15
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	2	0.15
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	2	0.15
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	2	0.15
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	9	0.15
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	9	0.15
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	9	0.15
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	10	0.15
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	10	0.15
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	10	0.15
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	19	0.15
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	11	0.15
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	11	0.15
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	19	0.15
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	19	0.15
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	2	0.15
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	2	0.15
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	2	0.15
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	19	0.15
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	19	0.15
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	19	0.15
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	3	0.15
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	6	0.15
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	19	0.15
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	1	0.15
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	5	0.15
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	7	0.15
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	9	0.15
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	13	0.15
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	19	0.15
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	3	0.15
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	9	0.15
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	12	0.15
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	16	0.15
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	20	0.15
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	3	0.15
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	11	0.15
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	5	0.15
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	12	0.15
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	18	0.15
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	10	0.15
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	10	0.15
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	16	0.15
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	16	0.15
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	20	0.15
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	20	0.15
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	3	0.15
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	3	0.15
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	18	0.15
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	13	0.15
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	14	0.15
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	18	0.14
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	14	0.14
(2,97)	1:126:A:PHE:H	1:122:A:LYS:O	15	0.14
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	19	0.14
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	4	0.14
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	15	0.14
(2,84)	1:114:A:GLY:O	1:118:A:LYS:N	1	0.14
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	1	0.14
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	14	0.14
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	18	0.14
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	7	0.14
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	5	0.14
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	9	0.14
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	1	0.14
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	13	0.14
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	8	0.14
(2,3)	1:10:A:ARG:H	1:6:A:GLU:O	12	0.14
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	17	0.14
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	17	0.14
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	17	0.14
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD21	20	0.14
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD22	20	0.14
(1,2528)	1:230:A:LEU:H	1:230:A:LEU:HD23	20	0.14
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	8	0.14
(1,2516)	1:229:A:ASP:H	1:229:A:ASP:HA	20	0.14
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	7	0.14
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	19	0.14
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	15	0.14
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	3	0.14
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	3	0.14
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	9	0.14
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	9	0.14
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	14	0.14
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	14	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	1	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	1	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	1	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	2	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	2	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	2	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	3	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	3	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	4	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	4	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	4	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	12	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	12	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	12	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	14	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	14	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	14	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	15	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	15	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	15	0.14
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	16	0.14
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	16	0.14
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	16	0.14
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	7	0.14
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	7	0.14
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	7	0.14
(1,2428)	1:225:A:GLU:HB3	1:226:A:ALA:H	2	0.14
(1,2428)	1:225:A:GLU:HB2	1:226:A:ALA:H	2	0.14
(1,2428)	1:225:A:GLU:HB3	1:226:A:ALA:H	16	0.14
(1,2428)	1:225:A:GLU:HB2	1:226:A:ALA:H	16	0.14
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	13	0.14
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	14	0.14
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	20	0.14
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	20	0.14
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	20	0.14
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	7	0.14
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	7	0.14
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	7	0.14
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	7	0.14
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB2	13	0.14
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB2	13	0.14
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB2	13	0.14
(1,2388)	1:194:A:ILE:HD11	1:224:A:ASP:HB3	13	0.14
(1,2388)	1:194:A:ILE:HD12	1:224:A:ASP:HB3	13	0.14
(1,2388)	1:194:A:ILE:HD13	1:224:A:ASP:HB3	13	0.14
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	17	0.14
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	17	0.14
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	17	0.14
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	6	0.14
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	6	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	3	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	3	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	3	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	7	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	7	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	7	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	10	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	10	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	10	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	14	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	14	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	14	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	20	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	20	0.14
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	20	0.14
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	15	0.14
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	5	0.14
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	5	0.14
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	5	0.14
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	8	0.14
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	4	0.14
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	5	0.14
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	11	0.14
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	11	0.14
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	11	0.14
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	11	0.14
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	11	0.14
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	11	0.14
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	19	0.14
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	19	0.14
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	19	0.14
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	4	0.14
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	4	0.14
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	17	0.14
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	17	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	3	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	3	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	3	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	3	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	3	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	8	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	8	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	8	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	8	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	8	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	8	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	13	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	13	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	13	0.14
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	13	0.14
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	13	0.14
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	13	0.14
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	1	0.14
(1,2141)	1:198:A:SER:H	1:202:A:ALA:HB1	14	0.14
(1,2141)	1:198:A:SER:H	1:202:A:ALA:HB2	14	0.14
(1,2141)	1:198:A:SER:H	1:202:A:ALA:HB3	14	0.14
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	13	0.14
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	1	0.14
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	1	0.14
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	15	0.14
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	15	0.14
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	14	0.14
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	19	0.14
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	15	0.14
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	2	0.14
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	2	0.14
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	2	0.14
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	2	0.14
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	2	0.14
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	2	0.14
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	12	0.14
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	12	0.14
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	12	0.14
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	12	0.14
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	12	0.14
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	12	0.14
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	19	0.14
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	19	0.14
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	19	0.14
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	19	0.14
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	19	0.14
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	19	0.14
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	9	0.14
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	9	0.14
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	9	0.14
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	4	0.14
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	17	0.14
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	13	0.14
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	13	0.14
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	13	0.14
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	20	0.14
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	20	0.14
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	20	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	8	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	8	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	8	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	8	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	8	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	8	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	12	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	12	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	12	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	12	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	12	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	12	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	13	0.14
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	13	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	13	0.14
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	13	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	13	0.14
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	13	0.14
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	1	0.14
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	1	0.14
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	1	0.14
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	3	0.14
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	4	0.14
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	5	0.14
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD11	19	0.14
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD12	19	0.14
(1,1947)	1:175:A:ARG:H	1:177:A:ILE:HD13	19	0.14
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	11	0.14
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	7	0.14
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	11	0.14
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	11	0.14
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	11	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	3	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	10	0.14
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	10	0.14
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	20	0.14
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	20	0.14
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	20	0.14
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	1	0.14
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	20	0.14
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	8	0.14
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	10	0.14
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	17	0.14
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	2	0.14
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	14	0.14
(1,1837)	1:161:A:ASN:HD21	1:161:A:ASN:HD22	15	0.14
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	13	0.14
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	15	0.14
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	19	0.14
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	3	0.14
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	3	0.14
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	3	0.14
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG21	15	0.14
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG22	15	0.14
(1,1747)	1:145:A:TRP:HA	1:153:A:VAL:HG23	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	15	0.14
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	10	0.14
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	10	0.14
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	10	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD21	8	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD22	8	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD23	8	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD11	8	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD12	8	0.14
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD13	8	0.14
(1,1703)	1:150:A:GLU:H	1:151:A:SER:H	17	0.14
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	4	0.14
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	4	0.14
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	4	0.14
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	4	0.14
(1,1589)	1:135:A:GLN:HE21	1:135:A:GLN:HA	17	0.14
(1,1582)	1:135:A:GLN:H	1:135:A:GLN:HE22	11	0.14
(1,1560)	1:133:A:ARG:H	1:132:A:ILE:HB	16	0.14
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD11	13	0.14
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD12	13	0.14
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD13	13	0.14
(1,1536)	1:130:A:GLU:HG3	1:131:A:TRP:HD1	2	0.14
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD11	1	0.14
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD12	1	0.14
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD13	1	0.14
(1,1528)	1:129:A:GLN:HG3	1:131:A:TRP:H	6	0.14
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	15	0.14
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	13	0.14
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	13	0.14
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	9	0.14
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	9	0.14
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	18	0.14
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	18	0.14
(1,1450)	1:33:A:ILE:HG21	1:124:A:ALA:HA	14	0.14
(1,1450)	1:33:A:ILE:HG22	1:124:A:ALA:HA	14	0.14
(1,1450)	1:33:A:ILE:HG23	1:124:A:ALA:HA	14	0.14
(1,1450)	1:33:A:ILE:HG21	1:124:A:ALA:HA	17	0.14
(1,1450)	1:33:A:ILE:HG22	1:124:A:ALA:HA	17	0.14
(1,1450)	1:33:A:ILE:HG23	1:124:A:ALA:HA	17	0.14
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	8	0.14
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	8	0.14
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	8	0.14
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	8	0.14
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	8	0.14
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	8	0.14
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	8	0.14
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	8	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	15	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	15	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	15	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	17	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	17	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	17	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	20	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	20	0.14
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	20	0.14
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	7	0.14
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	7	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	9	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	9	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	9	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	9	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	9	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	9	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	19	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	19	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	19	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	19	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	19	0.14
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	19	0.14
(1,1371)	1:119:A:LYS:HA	1:119:A:LYS:HG2	1	0.14
(1,1371)	1:119:A:LYS:HA	1:119:A:LYS:HG2	11	0.14
(1,1371)	1:119:A:LYS:HA	1:119:A:LYS:HG2	13	0.14
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	14	0.14
(1,1353)	1:118:A:LYS:HA	1:118:A:LYS:HD3	18	0.14
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	4	0.14
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	4	0.14
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	4	0.14
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD21	19	0.14
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD22	19	0.14
(1,1267)	1:113:A:ILE:H	1:112:A:LEU:HD23	19	0.14
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG21	19	0.14
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG22	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG23	19	0.14
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	12	0.14
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	12	0.14
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	12	0.14
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	18	0.14
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	18	0.14
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	18	0.14
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	7	0.14
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	7	0.14
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	7	0.14
(1,1244)	1:112:A:LEU:H	1:112:A:LEU:HD11	12	0.14
(1,1244)	1:112:A:LEU:H	1:112:A:LEU:HD12	12	0.14
(1,1244)	1:112:A:LEU:H	1:112:A:LEU:HD13	12	0.14
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	15	0.14
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	15	0.14
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	15	0.14
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	15	0.14
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	15	0.14
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	15	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	10	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	10	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	10	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	14	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	14	0.14
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	14	0.14
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	13	0.14
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	13	0.14
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	13	0.14
(1,1205)	1:29:A:LEU:HD21	1:108:A:SER:HA	16	0.14
(1,1205)	1:29:A:LEU:HD22	1:108:A:SER:HA	16	0.14
(1,1205)	1:29:A:LEU:HD23	1:108:A:SER:HA	16	0.14
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	5	0.14
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	5	0.14
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	5	0.14
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	10	0.14
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	10	0.14
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	10	0.14
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	3	0.14
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	3	0.14
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	3	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	2	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	6	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	10	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	11	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	12	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	13	0.14
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	16	0.14
(1,1126)	1:99:A:ILE:HD11	1:107:A:HIS:HA	8	0.14
(1,1126)	1:99:A:ILE:HD12	1:107:A:HIS:HA	8	0.14
(1,1126)	1:99:A:ILE:HD13	1:107:A:HIS:HA	8	0.14
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	13	0.14
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	13	0.14
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	13	0.14
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	8	0.14
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	8	0.14
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	8	0.14
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	8	0.14
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	8	0.14
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	8	0.14
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG3	16	0.14
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG3	16	0.14
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG3	16	0.14
(1,1119)	1:99:A:ILE:HG21	1:100:A:GLN:HG2	16	0.14
(1,1119)	1:99:A:ILE:HG22	1:100:A:GLN:HG2	16	0.14
(1,1119)	1:99:A:ILE:HG23	1:100:A:GLN:HG2	16	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	7	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	7	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	7	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	13	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	13	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	13	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	18	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	18	0.14
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	18	0.14
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	10	0.14
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	10	0.14
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	10	0.14
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	17	0.14
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	17	0.14
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	17	0.14
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	12	0.14
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	12	0.14
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	14	0.14
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	14	0.14
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	14	0.14
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB3	9	0.14
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB2	9	0.14
(1,1083)	1:97:A:PHE:HD1	1:98:A:GLN:H	19	0.14
(1,1083)	1:97:A:PHE:HD2	1:98:A:GLN:H	19	0.14
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	5	0.14
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	10	0.14
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	11	0.14
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	15	0.14
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	3	0.14
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	20	0.14
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	4	0.14
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	10	0.14
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	16	0.14
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	2	0.14
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	2	0.14
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	2	0.14
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	6	0.14
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	6	0.14
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	6	0.14
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	8	0.14
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	8	0.14
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	8	0.14
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	3	0.14
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	6	0.14
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	15	0.14
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	2	0.14
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	5	0.14
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	8	0.14
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	18	0.14
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	20	0.14
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	19	0.14
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	19	0.14
(1,1003)	1:88:A:GLN:HE21	1:86:A:LYS:HE2	5	0.14
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	4	0.14
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	4	0.14
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	4	0.14
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	20	0.14
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	20	0.14
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD21	3	0.14
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD22	3	0.14
(1,960)	1:84:A:MET:H	1:112:A:LEU:HD23	3	0.14
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	1	0.14
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	1	0.14
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	1	0.14
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	18	0.14
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	18	0.14
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	18	0.14
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	3	0.14
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	9	0.14
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	11	0.14
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE1	11	0.14
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE2	11	0.14
(1,934)	1:83:A:PHE:H	1:82:A:MET:HE3	11	0.14
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	15	0.14
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	15	0.14
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	15	0.14
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	15	0.14
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	15	0.14
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	15	0.14
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	15	0.14
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	15	0.14
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	15	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	10	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	10	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	10	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	10	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	10	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	10	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	15	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	15	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	15	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	15	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	15	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	15	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	17	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	17	0.14
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	17	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	17	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	17	0.14
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:74:A:ASP:H	1:81:A:GLU:H	12	0.14
(1,892)	1:73:A:ILE:HD11	1:80:A:ILE:HA	13	0.14
(1,892)	1:73:A:ILE:HD12	1:80:A:ILE:HA	13	0.14
(1,892)	1:73:A:ILE:HD13	1:80:A:ILE:HA	13	0.14
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	1	0.14
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	1	0.14
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	1	0.14
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	1	0.14
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	10	0.14
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	7	0.14
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	7	0.14
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	7	0.14
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE1	5	0.14
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE2	5	0.14
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE3	5	0.14
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE1	5	0.14
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE2	5	0.14
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE3	5	0.14
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	12	0.14
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	12	0.14
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	12	0.14
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	12	0.14
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	12	0.14
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	12	0.14
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	17	0.14
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	17	0.14
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	17	0.14
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	17	0.14
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	17	0.14
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	17	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	1	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	1	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	1	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	12	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	12	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	12	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	16	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	16	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	16	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	17	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	17	0.14
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	19	0.14
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	19	0.14
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	19	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	13	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	13	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	15	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	15	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	16	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	16	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	20	0.14
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	20	0.14
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	13	0.14
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	12	0.14
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	12	0.14
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	12	0.14
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	12	0.14
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	12	0.14
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	12	0.14
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	17	0.14
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	17	0.14
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	17	0.14
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	17	0.14
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	17	0.14
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	17	0.14
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	2	0.14
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	2	0.14
(1,644)	1:57:A:ILE:H	1:61:A:LYS:HD3	1	0.14
(1,644)	1:57:A:ILE:H	1:61:A:LYS:HD2	1	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	4	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	4	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	9	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	9	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	20	0.14
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	20	0.14
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	4	0.14
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	4	0.14
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	15	0.14
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	15	0.14
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	20	0.14
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	20	0.14
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	8	0.14
(1,617)	1:57:A:ILE:HB	1:98:A:GLN:H	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,614)	1:96:A:THR:H	1:57:A:ILE:HA	5	0.14
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	9	0.14
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	9	0.14
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	9	0.14
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	9	0.14
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	9	0.14
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	9	0.14
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	5	0.14
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	5	0.14
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	5	0.14
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	14	0.14
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	13	0.14
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	13	0.14
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	13	0.14
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	14	0.14
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	14	0.14
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	14	0.14
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	6	0.14
(1,490)	1:47:A:LYS:HE3	1:49:A:SER:H	4	0.14
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	6	0.14
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	6	0.14
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	6	0.14
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	10	0.14
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	18	0.14
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	1	0.14
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	1	0.14
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	1	0.14
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	1	0.14
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE2	1	0.14
(1,455)	1:47:A:LYS:HG3	1:47:A:LYS:HE3	1	0.14
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	3	0.14
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	3	0.14
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	3	0.14
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	9	0.14
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	9	0.14
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	9	0.14
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	17	0.14
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	17	0.14
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	17	0.14
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	20	0.14
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	20	0.14
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD11	16	0.14
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD12	16	0.14
(1,406)	1:43:A:MET:H	1:79:A:ILE:HD13	16	0.14
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	14	0.14
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	14	0.14
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	14	0.14
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	14	0.14
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	19	0.14
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	19	0.14
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	19	0.14
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	11	0.14
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	11	0.14
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	11	0.14
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	15	0.14
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	15	0.14
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	15	0.14
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	1	0.14
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	1	0.14
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	1	0.14
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	9	0.14
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	9	0.14
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	9	0.14
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG2	5	0.14
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG2	5	0.14
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG2	5	0.14
(1,241)	1:30:A:ALA:HB1	1:19:A:LYS:HG3	5	0.14
(1,241)	1:30:A:ALA:HB2	1:19:A:LYS:HG3	5	0.14
(1,241)	1:30:A:ALA:HB3	1:19:A:LYS:HG3	5	0.14
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	10	0.14
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	10	0.14
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	10	0.14
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	10	0.14
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	10	0.14
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	10	0.14
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	10	0.14
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	10	0.14
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	10	0.14
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	6	0.14
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	6	0.14
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	5	0.14
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	5	0.14
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	10	0.14
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	10	0.14
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	10	0.14
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	20	0.14
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	20	0.14
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	20	0.14
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	7	0.14
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	9	0.14
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	12	0.14
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	6	0.14
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	12	0.14
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	14	0.14
(1,136)	1:22:A:THR:H	1:21:A:PRO:HA	20	0.14
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	19	0.14
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	19	0.14
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	19	0.14
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	19	0.14
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB1	20	0.14
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB2	20	0.14
(1,126)	1:21:A:PRO:HB3	1:30:A:ALA:HB3	20	0.14
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	12	0.14
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	11	0.14
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	14	0.14
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	14	0.14
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	14	0.14
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	6	0.14
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	6	0.14
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	6	0.14
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	10	0.14
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	16	0.14
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	16	0.14
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	16	0.14
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	7	0.14
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	15	0.14
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE2	11	0.14
(1,56)	1:13:A:ALA:HA	1:9:A:LYS:HE3	11	0.14
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	10	0.14
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	20	0.14
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	20	0.14
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	20	0.14
(1,22)	1:9:A:LYS:H	1:8:A:MET:HA	11	0.14
(1,8)	1:7:A:GLU:H	1:6:A:GLU:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	4	0.14
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	9	0.14
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	19	0.14
(2,157)	1:229:A:ASP:H	1:225:A:GLU:O	20	0.13
(2,151)	1:218:A:SER:H	1:207:A:VAL:O	2	0.13
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	1	0.13
(2,132)	1:157:A:CYS:O	1:190:A:CYS:N	2	0.13
(2,129)	1:177:A:ILE:H	1:170:A:TRP:O	14	0.13
(2,121)	1:160:A:ALA:H	1:140:A:ALA:O	8	0.13
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	1	0.13
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	5	0.13
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	6	0.13
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	11	0.13
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	12	0.13
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	1	0.13
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	9	0.13
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	16	0.13
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	5	0.13
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	10	0.13
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	12	0.13
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	18	0.13
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	8	0.13
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	5	0.13
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	8	0.13
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	10	0.13
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	14	0.13
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	17	0.13
(2,3)	1:10:A:ARG:H	1:6:A:GLU:O	7	0.13
(1,2550)	1:231:A:MET:HA	1:231:A:MET:HG3	8	0.13
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD21	2	0.13
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD22	2	0.13
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD23	2	0.13
(1,2525)	1:229:A:ASP:H	1:230:A:LEU:HG	4	0.13
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	1	0.13
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	3	0.13
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	20	0.13
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	20	0.13
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	20	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	3	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	3	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	3	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	12	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	12	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	13	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	13	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	13	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	16	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	16	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	16	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	18	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	18	0.13
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	18	0.13
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	4	0.13
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	6	0.13
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	15	0.13
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	19	0.13
(1,2412)	1:201:A:ASP:H	1:225:A:GLU:HG3	3	0.13
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG3	2	0.13
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG3	2	0.13
(1,2405)	1:197:A:PHE:HD1	1:225:A:GLU:HG2	2	0.13
(1,2405)	1:197:A:PHE:HD2	1:225:A:GLU:HG2	2	0.13
(1,2362)	1:222:A:LEU:H	1:224:A:ASP:H	4	0.13
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	1	0.13
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	1	0.13
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	1	0.13
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	1	0.13
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	9	0.13
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	20	0.13
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	20	0.13
(1,2274)	1:214:A:GLY:H	1:215:A:LYS:HA	18	0.13
(1,2261)	1:212:A:ASP:HB3	1:213:A:ARG:HG3	18	0.13
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	13	0.13
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	20	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	2	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	2	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	2	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	2	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	2	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	2	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	11	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	11	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	11	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	11	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	11	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	12	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	12	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	12	0.13
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	12	0.13
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	12	0.13
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	12	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	6	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	6	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	6	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	6	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	6	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	6	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	7	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	7	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	7	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	7	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	7	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	7	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	18	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	18	0.13
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	18	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	18	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	18	0.13
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	18	0.13
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD11	17	0.13
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD12	17	0.13
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD13	17	0.13
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD11	17	0.13
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD12	17	0.13
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD13	17	0.13
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	12	0.13
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	12	0.13
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	19	0.13
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	19	0.13
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD21	6	0.13
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD22	6	0.13
(1,2165)	1:203:A:GLY:H	1:222:A:LEU:HD23	6	0.13
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	2	0.13
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	2	0.13
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	2	0.13
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	2	0.13
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	2	0.13
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	20	0.13
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	20	0.13
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	20	0.13
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	20	0.13
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	20	0.13
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	20	0.13
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	19	0.13
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	7	0.13
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	15	0.13
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	9	0.13
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	13	0.13
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	13	0.13
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	4	0.13
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	6	0.13
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	7	0.13
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	8	0.13
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	12	0.13
(1,2083)	1:194:A:ILE:HG13	1:195:A:THR:H	6	0.13
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	7	0.13
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	7	0.13
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	7	0.13
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	7	0.13
(1,2049)	1:194:A:ILE:HD11	1:145:A:TRP:HB2	11	0.13
(1,2049)	1:194:A:ILE:HD12	1:145:A:TRP:HB2	11	0.13
(1,2049)	1:194:A:ILE:HD13	1:145:A:TRP:HB2	11	0.13
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	2	0.13
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	13	0.13
(1,2030)	1:154:A:LEU:H	1:193:A:LEU:HD11	1	0.13
(1,2030)	1:154:A:LEU:H	1:193:A:LEU:HD12	1	0.13
(1,2030)	1:154:A:LEU:H	1:193:A:LEU:HD13	1	0.13
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	19	0.13
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	19	0.13
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	19	0.13
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	11	0.13
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	11	0.13
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	11	0.13
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	17	0.13
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	17	0.13
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	17	0.13
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	17	0.13
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	17	0.13
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	16	0.13
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	16	0.13
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	16	0.13
(1,1960)	1:177:A:ILE:HD11	1:170:A:TRP:HE3	13	0.13
(1,1960)	1:177:A:ILE:HD12	1:170:A:TRP:HE3	13	0.13
(1,1960)	1:177:A:ILE:HD13	1:170:A:TRP:HE3	13	0.13
(1,1957)	1:176:A:GLU:HA	1:179:A:VAL:H	9	0.13
(1,1949)	1:171:A:TYR:HD1	1:176:A:GLU:H	3	0.13
(1,1949)	1:171:A:TYR:HD2	1:176:A:GLU:H	3	0.13
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	7	0.13
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	16	0.13
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	16	0.13
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD1	17	0.13
(1,1932)	1:173:A:ASP:HA	1:204:A:PHE:HD2	17	0.13
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD11	13	0.13
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD12	13	0.13
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD13	13	0.13
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	14	0.13
(1,1921)	1:172:A:LYS:H	1:174:A:GLU:HA	19	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	1	0.13
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	1	0.13
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	14	0.13
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	14	0.13
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	14	0.13
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	19	0.13
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	19	0.13
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	19	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD11	4	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD12	4	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD13	4	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD11	4	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD12	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD13	4	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD11	4	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD12	4	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD13	4	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD11	7	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD12	7	0.13
(1,1874)	1:168:A:ILE:HG21	1:168:A:ILE:HD13	7	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD11	7	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD12	7	0.13
(1,1874)	1:168:A:ILE:HG22	1:168:A:ILE:HD13	7	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD11	7	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD12	7	0.13
(1,1874)	1:168:A:ILE:HG23	1:168:A:ILE:HD13	7	0.13
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	16	0.13
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	1	0.13
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	1	0.13
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	1	0.13
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	1	0.13
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	1	0.13
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	1	0.13
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	1	0.13
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	1	0.13
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	1	0.13
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	11	0.13
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	11	0.13
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	11	0.13
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	16	0.13
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	16	0.13
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	16	0.13
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	12	0.13
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	19	0.13
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	1	0.13
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG11	1	0.13
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG12	1	0.13
(1,1754)	1:147:A:VAL:HG11	1:153:A:VAL:HG13	1	0.13
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG11	1	0.13
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG12	1	0.13
(1,1754)	1:147:A:VAL:HG12	1:153:A:VAL:HG13	1	0.13
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG11	1	0.13
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG12	1	0.13
(1,1754)	1:147:A:VAL:HG13	1:153:A:VAL:HG13	1	0.13
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	8	0.13
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	19	0.13
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	3	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD21	11	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD22	11	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD23	11	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD11	11	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD12	11	0.13
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD13	11	0.13
(1,1600)	1:135:A:GLN:HA	1:161:A:ASN:HD21	12	0.13
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG3	1	0.13
(1,1571)	1:131:A:TRP:HE1	1:135:A:GLN:HG2	1	0.13
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	15	0.13
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD11	12	0.13
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD12	12	0.13
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD13	12	0.13
(1,1557)	1:133:A:ARG:H	1:132:A:ILE:H	11	0.13
(1,1553)	1:132:A:ILE:HD11	1:132:A:ILE:H	3	0.13
(1,1553)	1:132:A:ILE:HD12	1:132:A:ILE:H	3	0.13
(1,1553)	1:132:A:ILE:HD13	1:132:A:ILE:H	3	0.13
(1,1518)	1:129:A:GLN:HA	1:129:A:GLN:HG2	2	0.13
(1,1508)	1:128:A:ARG:HE	1:128:A:ARG:HB2	6	0.13
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	15	0.13
(1,1499)	1:127:A:GLN:HE21	1:127:A:GLN:HB3	1	0.13
(1,1493)	1:127:A:GLN:HA	1:127:A:GLN:HE22	10	0.13
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	5	0.13
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	5	0.13
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	11	0.13
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	11	0.13
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	13	0.13
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	1	0.13
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	1	0.13
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	1	0.13
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	1	0.13
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	1	0.13
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	1	0.13
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	1	0.13
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	1	0.13
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	1	0.13
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	4	0.13
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	4	0.13
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	4	0.13
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	4	0.13
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	4	0.13
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	4	0.13
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	4	0.13
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	4	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	5	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	5	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	5	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	10	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	10	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	10	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	11	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	11	0.13
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	11	0.13
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	11	0.13
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	11	0.13
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	17	0.13
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	17	0.13
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	8	0.13
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	8	0.13
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	8	0.13
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD11	2	0.13
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD12	2	0.13
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD13	2	0.13
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	8	0.13
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	8	0.13
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	8	0.13
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	8	0.13
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	8	0.13
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	8	0.13
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	4	0.13
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	8	0.13
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	9	0.13
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	18	0.13
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	20	0.13
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	13	0.13
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	16	0.13
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG11	17	0.13
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG12	17	0.13
(1,1324)	1:120:A:LEU:H	1:116:A:VAL:HG13	17	0.13
(1,1322)	1:116:A:VAL:HG11	1:119:A:LYS:HD3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:116:A:VAL:HG12	1:119:A:LYS:HD3	8	0.13
(1,1322)	1:116:A:VAL:HG13	1:119:A:LYS:HD3	8	0.13
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	15	0.13
(1,1289)	1:114:A:GLY:H	1:113:A:ILE:HG12	1	0.13
(1,1289)	1:114:A:GLY:H	1:113:A:ILE:HG12	16	0.13
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	4	0.13
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	4	0.13
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	13	0.13
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	13	0.13
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	13	0.13
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	19	0.13
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	19	0.13
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	19	0.13
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	15	0.13
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	15	0.13
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	15	0.13
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	16	0.13
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	16	0.13
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	16	0.13
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	3	0.13
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	3	0.13
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	3	0.13
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	10	0.13
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	10	0.13
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	10	0.13
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	16	0.13
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	16	0.13
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	16	0.13
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	9	0.13
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	9	0.13
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	9	0.13
(1,1147)	1:101:A:ASP:H	1:100:A:GLN:HG3	20	0.13
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	1	0.13
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	15	0.13
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	20	0.13
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	16	0.13
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	16	0.13
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	16	0.13
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	18	0.13
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	18	0.13
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	18	0.13
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	9	0.13
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	9	0.13
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	7	0.13
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	7	0.13
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	7	0.13
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	10	0.13
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	10	0.13
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	10	0.13
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	15	0.13
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	17	0.13
(1,1085)	1:98:A:GLN:HB3	1:98:A:GLN:HE22	4	0.13
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	16	0.13
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	17	0.13
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	5	0.13
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	12	0.13
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	1	0.13
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	7	0.13
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	7	0.13
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	7	0.13
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	17	0.13
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	17	0.13
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	17	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	1	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	1	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	1	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	2	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	2	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	2	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	4	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	4	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	4	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	7	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	7	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	7	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	9	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	9	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	9	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	10	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	10	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	10	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	11	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	11	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	16	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	16	0.13
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	16	0.13
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	9	0.13
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	15	0.13
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	13	0.13
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	13	0.13
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	1	0.13
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	1	0.13
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	1	0.13
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	13	0.13
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	13	0.13
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	13	0.13
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	9	0.13
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	9	0.13
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	9	0.13
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	12	0.13
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	12	0.13
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	12	0.13
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	4	0.13
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	4	0.13
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	4	0.13
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	2	0.13
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	6	0.13
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	14	0.13
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	16	0.13
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	16	0.13
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	16	0.13
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	16	0.13
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	16	0.13
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	16	0.13
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	16	0.13
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	16	0.13
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	16	0.13
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	16	0.13
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	11	0.13
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	11	0.13
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	11	0.13
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	11	0.13
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	11	0.13
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	8	0.13
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD11	14	0.13
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD12	14	0.13
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD13	14	0.13
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	6	0.13
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	6	0.13
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	6	0.13
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	6	0.13
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	6	0.13
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	6	0.13
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	6	0.13
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	6	0.13
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	6	0.13
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	1	0.13
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	1	0.13
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	1	0.13
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	19	0.13
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	19	0.13
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	19	0.13
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	19	0.13
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	19	0.13
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	19	0.13
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	4	0.13
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	5	0.13
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	7	0.13
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	9	0.13
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	10	0.13
(1,778)	1:71:A:MET:H	1:71:A:MET:HE1	11	0.13
(1,778)	1:71:A:MET:H	1:71:A:MET:HE2	11	0.13
(1,778)	1:71:A:MET:H	1:71:A:MET:HE3	11	0.13
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	13	0.13
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	13	0.13
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	13	0.13
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	18	0.13
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	18	0.13
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	18	0.13
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	18	0.13
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	18	0.13
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	18	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	3	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	3	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	11	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	11	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	11	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	19	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	19	0.13
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	19	0.13
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	1	0.13
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	1	0.13
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	1	0.13
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	3	0.13
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	3	0.13
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	17	0.13
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	17	0.13
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	17	0.13
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	17	0.13
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	14	0.13
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	14	0.13
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	14	0.13
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	14	0.13
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	5	0.13
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	5	0.13
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	5	0.13
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	8	0.13
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	8	0.13
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	8	0.13
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	10	0.13
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	10	0.13
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	10	0.13
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD2	16	0.13
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD2	16	0.13
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD2	16	0.13
(1,655)	1:63:A:ILE:HD11	1:61:A:LYS:HD3	16	0.13
(1,655)	1:63:A:ILE:HD12	1:61:A:LYS:HD3	16	0.13
(1,655)	1:63:A:ILE:HD13	1:61:A:LYS:HD3	16	0.13
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	20	0.13
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	20	0.13
(1,648)	1:61:A:LYS:H	1:61:A:LYS:HD3	1	0.13
(1,648)	1:61:A:LYS:H	1:61:A:LYS:HD2	1	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	1	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	1	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	8	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	13	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	13	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	18	0.13
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	18	0.13
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	13	0.13
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	13	0.13
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	8	0.13
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	12	0.13
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	12	0.13
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	12	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	4	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	4	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	4	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	4	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	4	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	4	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	4	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	4	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	4	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	5	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	5	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	5	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	5	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	5	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	5	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	5	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	5	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	5	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	12	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	12	0.13
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	12	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	12	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	12	0.13
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	12	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	12	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	12	0.13
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	12	0.13
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	8	0.13
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	14	0.13
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	17	0.13
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	8	0.13
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB3	20	0.13
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	15	0.13
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	16	0.13
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	14	0.13
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	14	0.13
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	14	0.13
(1,447)	1:46:A:GLU:HA	1:47:A:LYS:H	12	0.13
(1,444)	1:45:A:ALA:HB1	1:47:A:LYS:H	15	0.13
(1,444)	1:45:A:ALA:HB2	1:47:A:LYS:H	15	0.13
(1,444)	1:45:A:ALA:HB3	1:47:A:LYS:H	15	0.13
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	2	0.13
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	2	0.13
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	2	0.13
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD3	11	0.13
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD2	11	0.13
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	15	0.13
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD11	19	0.13
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD12	19	0.13
(1,320)	1:124:A:ALA:HA	1:34:A:LEU:HD13	19	0.13
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	9	0.13
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	9	0.13
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	9	0.13
(1,282)	1:31:A:VAL:HG21	1:33:A:ILE:HB	1	0.13
(1,282)	1:31:A:VAL:HG22	1:33:A:ILE:HB	1	0.13
(1,282)	1:31:A:VAL:HG23	1:33:A:ILE:HB	1	0.13
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	13	0.13
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	13	0.13
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	13	0.13
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	18	0.13
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	18	0.13
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	18	0.13
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	13	0.13
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	13	0.13
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	13	0.13
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	2	0.13
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	2	0.13
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	2	0.13
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	2	0.13
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	10	0.13
(1,243)	1:30:A:ALA:HB1	1:21:A:PRO:HG2	17	0.13
(1,243)	1:30:A:ALA:HB2	1:21:A:PRO:HG2	17	0.13
(1,243)	1:30:A:ALA:HB3	1:21:A:PRO:HG2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,188)	1:28:A:GLU:H	1:26:A:LYS:HB2	1	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	2	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	2	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	3	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	3	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	7	0.13
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	7	0.13
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD1	5	0.13
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD2	5	0.13
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD1	5	0.13
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD2	5	0.13
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD1	5	0.13
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD2	5	0.13
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	10	0.13
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	11	0.13
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	15	0.13
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	4	0.13
(1,145)	1:22:A:THR:HB	1:23:A:VAL:HB	10	0.13
(1,133)	1:22:A:THR:H	1:21:A:PRO:HB2	15	0.13
(1,132)	1:21:A:PRO:HA	1:22:A:THR:HA	10	0.13
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	17	0.13
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	17	0.13
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	17	0.13
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	6	0.13
(1,102)	1:20:A:PHE:H	1:20:A:PHE:HB2	9	0.13
(1,96)	1:20:A:PHE:HD1	1:19:A:LYS:HA	6	0.13
(1,96)	1:20:A:PHE:HD2	1:19:A:LYS:HA	6	0.13
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	4	0.13
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	4	0.13
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	4	0.13
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	5	0.13
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	5	0.13
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	5	0.13
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	8	0.13
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	8	0.13
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	8	0.13
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	13	0.13
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	13	0.13
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	13	0.13
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	17	0.13
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	17	0.13
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	7	0.13
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	11	0.13
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	15	0.13
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	15	0.13
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	15	0.13
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	1	0.13
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	13	0.13
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	14	0.13
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	16	0.13
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	18	0.13
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	20	0.13
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	18	0.13
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	18	0.13
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	18	0.13
(1,62)	1:12:A:LEU:HB3	1:13:A:ALA:HA	13	0.13
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	18	0.13
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	9	0.13
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	11	0.13
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	14	0.13
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	14	0.13
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	14	0.13
(1,32)	1:8:A:MET:H	1:10:A:ARG:HD3	4	0.13
(1,32)	1:8:A:MET:H	1:10:A:ARG:HD2	4	0.13
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	1	0.13
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG3	10	0.13
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG2	10	0.13
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG3	13	0.13
(1,29)	1:9:A:LYS:H	1:9:A:LYS:HG2	13	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	4	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	4	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	7	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	7	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	12	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	12	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	13	0.13
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	13	0.13
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	5	0.12
(2,137)	1:205:A:TYR:H	1:220:A:LEU:O	7	0.12
(2,117)	1:157:A:CYS:H	1:190:A:CYS:O	1	0.12
(2,117)	1:157:A:CYS:H	1:190:A:CYS:O	7	0.12
(2,117)	1:157:A:CYS:H	1:190:A:CYS:O	12	0.12
(2,117)	1:157:A:CYS:H	1:190:A:CYS:O	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	14	0.12
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	5	0.12
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	6	0.12
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	8	0.12
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	6	0.12
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	8	0.12
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	14	0.12
(2,84)	1:114:A:GLY:O	1:118:A:LYS:N	18	0.12
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	2	0.12
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	4	0.12
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	8	0.12
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	20	0.12
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	11	0.12
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	13	0.12
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	16	0.12
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	20	0.12
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	10	0.12
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	12	0.12
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	12	0.12
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	11	0.12
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	16	0.12
(1,2482)	1:227:A:PHE:HB2	1:229:A:ASP:HA	11	0.12
(1,2469)	1:227:A:PHE:HD1	1:227:A:PHE:HA	8	0.12
(1,2469)	1:227:A:PHE:HD2	1:227:A:PHE:HA	8	0.12
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	10	0.12
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	10	0.12
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	10	0.12
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	18	0.12
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	18	0.12
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	18	0.12
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	6	0.12
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	6	0.12
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	6	0.12
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	11	0.12
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	11	0.12
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	11	0.12
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	19	0.12
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	19	0.12
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	19	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	9	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	9	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	10	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	10	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	10	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	17	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	17	0.12
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	17	0.12
(1,2428)	1:225:A:GLU:HB3	1:226:A:ALA:H	7	0.12
(1,2428)	1:225:A:GLU:HB2	1:226:A:ALA:H	7	0.12
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	1	0.12
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	8	0.12
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	9	0.12
(1,2424)	1:225:A:GLU:H	1:225:A:GLU:HB2	12	0.12
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	5	0.12
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	5	0.12
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	5	0.12
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	7	0.12
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	7	0.12
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	7	0.12
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	3	0.12
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	3	0.12
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	3	0.12
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	3	0.12
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	3	0.12
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	3	0.12
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	1	0.12
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	1	0.12
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	1	0.12
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	17	0.12
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	17	0.12
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	17	0.12
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	19	0.12
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	19	0.12
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	19	0.12
(1,2362)	1:222:A:LEU:H	1:224:A:ASP:H	14	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	4	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	4	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	4	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	5	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	5	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	5	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	6	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	6	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD21	12	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD22	12	0.12
(1,2354)	1:222:A:LEU:HA	1:222:A:LEU:HD23	12	0.12
(1,2329)	1:220:A:LEU:HD21	1:220:A:LEU:HA	16	0.12
(1,2329)	1:220:A:LEU:HD22	1:220:A:LEU:HA	16	0.12
(1,2329)	1:220:A:LEU:HD23	1:220:A:LEU:HA	16	0.12
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	12	0.12
(1,2319)	1:220:A:LEU:H	1:219:A:ARG:HG2	19	0.12
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD11	16	0.12
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD12	16	0.12
(1,2311)	1:144:A:SER:H	1:220:A:LEU:HD13	16	0.12
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	6	0.12
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	10	0.12
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	11	0.12
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	15	0.12
(1,2289)	1:208:A:ILE:HG21	1:217:A:LYS:HA	13	0.12
(1,2289)	1:208:A:ILE:HG22	1:217:A:LYS:HA	13	0.12
(1,2289)	1:208:A:ILE:HG23	1:217:A:LYS:HA	13	0.12
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	12	0.12
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	12	0.12
(1,2274)	1:214:A:GLY:H	1:215:A:LYS:HA	11	0.12
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	11	0.12
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	16	0.12
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	18	0.12
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	3	0.12
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	3	0.12
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	3	0.12
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	3	0.12
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	3	0.12
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	3	0.12
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG21	15	0.12
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG22	15	0.12
(1,2214)	1:171:A:TYR:HE1	1:208:A:ILE:HG23	15	0.12
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG21	15	0.12
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG22	15	0.12
(1,2214)	1:171:A:TYR:HE2	1:208:A:ILE:HG23	15	0.12
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD11	5	0.12
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD12	5	0.12
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD13	5	0.12
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD11	1	0.12
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD12	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:171:A:TYR:HD1	1:208:A:ILE:HD13	1	0.12
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD11	1	0.12
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD12	1	0.12
(1,2212)	1:171:A:TYR:HD2	1:208:A:ILE:HD13	1	0.12
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	3	0.12
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	3	0.12
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	3	0.12
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	8	0.12
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	8	0.12
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	10	0.12
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	10	0.12
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	2	0.12
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	2	0.12
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	2	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	7	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	7	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	7	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	7	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	7	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	7	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	11	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	11	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	11	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	11	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	11	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	11	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	17	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	17	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	17	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	17	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	17	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	17	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB2	19	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB2	19	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB2	19	0.12
(1,2151)	1:202:A:ALA:HB1	1:201:A:ASP:HB3	19	0.12
(1,2151)	1:202:A:ALA:HB2	1:201:A:ASP:HB3	19	0.12
(1,2151)	1:202:A:ALA:HB3	1:201:A:ASP:HB3	19	0.12
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	20	0.12
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	13	0.12
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	18	0.12
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	10	0.12
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	12	0.12
(1,2125)	1:198:A:SER:H	1:222:A:LEU:HD11	14	0.12
(1,2125)	1:198:A:SER:H	1:222:A:LEU:HD12	14	0.12
(1,2125)	1:198:A:SER:H	1:222:A:LEU:HD13	14	0.12
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	18	0.12
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	18	0.12
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	1	0.12
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	5	0.12
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	3	0.12
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	3	0.12
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	3	0.12
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	3	0.12
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	3	0.12
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	3	0.12
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	13	0.12
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	13	0.12
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	13	0.12
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	13	0.12
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	13	0.12
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	13	0.12
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	1	0.12
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	1	0.12
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	1	0.12
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	16	0.12
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	16	0.12
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	16	0.12
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	8	0.12
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	15	0.12
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD21	12	0.12
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD22	12	0.12
(1,2029)	1:153:A:VAL:H	1:193:A:LEU:HD23	12	0.12
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG21	5	0.12
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG22	5	0.12
(1,2004)	1:191:A:THR:HA	1:189:A:ILE:HG23	5	0.12
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	7	0.12
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	7	0.12
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	7	0.12
(1,1971)	1:177:A:ILE:HD11	1:205:A:TYR:HA	4	0.12
(1,1971)	1:177:A:ILE:HD12	1:205:A:TYR:HA	4	0.12
(1,1971)	1:177:A:ILE:HD13	1:205:A:TYR:HA	4	0.12
(1,1957)	1:176:A:GLU:HA	1:179:A:VAL:H	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:176:A:GLU:HA	1:179:A:VAL:H	3	0.12
(1,1957)	1:176:A:GLU:HA	1:179:A:VAL:H	11	0.12
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	1	0.12
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	14	0.12
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG21	11	0.12
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG22	11	0.12
(1,1901)	1:170:A:TRP:HZ3	1:177:A:ILE:HG23	11	0.12
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	4	0.12
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	6	0.12
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG21	19	0.12
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG22	19	0.12
(1,1877)	1:207:A:VAL:HA	1:168:A:ILE:HG23	19	0.12
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	6	0.12
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	6	0.12
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	6	0.12
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG21	8	0.12
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG22	8	0.12
(1,1843)	1:160:A:ALA:H	1:162:A:ILE:HG23	8	0.12
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	3	0.12
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	11	0.12
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	12	0.12
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	16	0.12
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	17	0.12
(1,1802)	1:155:A:LEU:HD21	1:205:A:TYR:HH	1	0.12
(1,1802)	1:155:A:LEU:HD22	1:205:A:TYR:HH	1	0.12
(1,1802)	1:155:A:LEU:HD23	1:205:A:TYR:HH	1	0.12
(1,1777)	1:153:A:VAL:HG11	1:224:A:ASP:HA	15	0.12
(1,1777)	1:153:A:VAL:HG12	1:224:A:ASP:HA	15	0.12
(1,1777)	1:153:A:VAL:HG13	1:224:A:ASP:HA	15	0.12
(1,1746)	1:153:A:VAL:HG11	1:145:A:TRP:HB2	5	0.12
(1,1746)	1:153:A:VAL:HG12	1:145:A:TRP:HB2	5	0.12
(1,1746)	1:153:A:VAL:HG13	1:145:A:TRP:HB2	5	0.12
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	12	0.12
(1,1735)	1:152:A:ASN:HB3	1:195:A:THR:HB	18	0.12
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	6	0.12
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	9	0.12
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	11	0.12
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	9	0.12
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	9	0.12
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	9	0.12
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	6	0.12
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:150:A:GLU:HB3	1:151:A:SER:H	17	0.12
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG21	13	0.12
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG22	13	0.12
(1,1688)	1:154:A:LEU:H	1:148:A:THR:HG23	13	0.12
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	9	0.12
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	9	0.12
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	9	0.12
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	14	0.12
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	14	0.12
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	14	0.12
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	6	0.12
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	14	0.12
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	1	0.12
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	1	0.12
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	1	0.12
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	1	0.12
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	1	0.12
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	1	0.12
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG11	13	0.12
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG12	13	0.12
(1,1623)	1:142:A:TYR:HD1	1:159:A:VAL:HG13	13	0.12
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG11	13	0.12
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG12	13	0.12
(1,1623)	1:142:A:TYR:HD2	1:159:A:VAL:HG13	13	0.12
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA2	3	0.12
(1,1599)	1:135:A:GLN:H	1:136:A:GLY:HA3	3	0.12
(1,1570)	1:135:A:GLN:HE21	1:131:A:TRP:HZ2	3	0.12
(1,1567)	1:134:A:LYS:H	1:135:A:GLN:H	9	0.12
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD11	16	0.12
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD12	16	0.12
(1,1563)	1:134:A:LYS:H	1:132:A:ILE:HD13	16	0.12
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG21	14	0.12
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG22	14	0.12
(1,1561)	1:133:A:ARG:H	1:132:A:ILE:HG23	14	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD11	8	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD12	8	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD13	8	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD11	20	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD12	20	0.12
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD13	20	0.12
(1,1553)	1:132:A:ILE:HD11	1:132:A:ILE:H	13	0.12
(1,1553)	1:132:A:ILE:HD12	1:132:A:ILE:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:132:A:ILE:HD13	1:132:A:ILE:H	13	0.12
(1,1542)	1:131:A:TRP:HD1	1:132:A:ILE:H	13	0.12
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD11	5	0.12
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD12	5	0.12
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD13	5	0.12
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD11	8	0.12
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD12	8	0.12
(1,1531)	1:129:A:GLN:HE22	1:132:A:ILE:HD13	8	0.12
(1,1529)	1:129:A:GLN:HE21	1:132:A:ILE:HD11	6	0.12
(1,1529)	1:129:A:GLN:HE21	1:132:A:ILE:HD12	6	0.12
(1,1529)	1:129:A:GLN:HE21	1:132:A:ILE:HD13	6	0.12
(1,1515)	1:129:A:GLN:HE21	1:129:A:GLN:HB2	4	0.12
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG2	2	0.12
(1,1512)	1:129:A:GLN:HA	1:128:A:ARG:HG3	2	0.12
(1,1508)	1:128:A:ARG:HE	1:128:A:ARG:HB2	3	0.12
(1,1502)	1:127:A:GLN:HE22	1:127:A:GLN:HB3	7	0.12
(1,1487)	1:126:A:PHE:HD1	1:127:A:GLN:HE21	12	0.12
(1,1487)	1:126:A:PHE:HD2	1:127:A:GLN:HE21	12	0.12
(1,1464)	1:121:A:GLN:H	1:125:A:GLU:HB2	4	0.12
(1,1464)	1:121:A:GLN:H	1:125:A:GLU:HB3	4	0.12
(1,1450)	1:33:A:ILE:HG21	1:124:A:ALA:HA	1	0.12
(1,1450)	1:33:A:ILE:HG22	1:124:A:ALA:HA	1	0.12
(1,1450)	1:33:A:ILE:HG23	1:124:A:ALA:HA	1	0.12
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB1	11	0.12
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB2	11	0.12
(1,1446)	1:31:A:VAL:HG21	1:124:A:ALA:HB3	11	0.12
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB1	11	0.12
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB2	11	0.12
(1,1446)	1:31:A:VAL:HG22	1:124:A:ALA:HB3	11	0.12
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB1	11	0.12
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB2	11	0.12
(1,1446)	1:31:A:VAL:HG23	1:124:A:ALA:HB3	11	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	1	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	1	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	1	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	6	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	6	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	6	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	12	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	12	0.12
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	12	0.12
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	12	0.12
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	6	0.12
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	6	0.12
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	6	0.12
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	2	0.12
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	2	0.12
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	2	0.12
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ1	2	0.12
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ2	2	0.12
(1,1387)	1:119:A:LYS:HD3	1:122:A:LYS:HZ3	2	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	1	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	2	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	3	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	6	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	10	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	11	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	12	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	14	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	16	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	17	0.12
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	19	0.12
(1,1371)	1:119:A:LYS:HA	1:119:A:LYS:HG2	6	0.12
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD3	20	0.12
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD3	20	0.12
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD3	20	0.12
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD2	20	0.12
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD2	20	0.12
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD2	20	0.12
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	3	0.12
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	4	0.12
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	8	0.12
(1,1300)	1:113:A:ILE:H	1:116:A:VAL:HB	20	0.12
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	4	0.12
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	4	0.12
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	4	0.12
(1,1286)	1:114:A:GLY:H	1:113:A:ILE:HG13	13	0.12
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB3	13	0.12
(1,1279)	1:113:A:ILE:HG12	1:115:A:ASP:HB2	13	0.12
(1,1269)	1:113:A:ILE:HD11	1:113:A:ILE:HB	12	0.12
(1,1269)	1:113:A:ILE:HD12	1:113:A:ILE:HB	12	0.12
(1,1269)	1:113:A:ILE:HD13	1:113:A:ILE:HB	12	0.12
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG21	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG22	6	0.12
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG23	6	0.12
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	14	0.12
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	14	0.12
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	14	0.12
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	8	0.12
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	8	0.12
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	8	0.12
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD21	11	0.12
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD22	11	0.12
(1,1247)	1:112:A:LEU:H	1:112:A:LEU:HD23	11	0.12
(1,1245)	1:112:A:LEU:HD11	1:112:A:LEU:HA	12	0.12
(1,1245)	1:112:A:LEU:HD12	1:112:A:LEU:HA	12	0.12
(1,1245)	1:112:A:LEU:HD13	1:112:A:LEU:HA	12	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	8	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	8	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	8	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	8	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	8	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	8	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	19	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	19	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	19	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	19	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	19	0.12
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	19	0.12
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	1	0.12
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	1	0.12
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	1	0.12
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	11	0.12
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	11	0.12
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	11	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG21	4	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG22	4	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG23	4	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG21	18	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG22	18	0.12
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG23	18	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	1	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	1	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	1	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	2	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	2	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	4	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	4	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	4	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	6	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	6	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	6	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	14	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	14	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	14	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	16	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	16	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	16	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	17	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	17	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	17	0.12
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	18	0.12
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	18	0.12
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	18	0.12
(1,1147)	1:101:A:ASP:H	1:100:A:GLN:HG3	2	0.12
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD11	14	0.12
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD12	14	0.12
(1,1146)	1:101:A:ASP:H	1:99:A:ILE:HD13	14	0.12
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	8	0.12
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	11	0.12
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	11	0.12
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	11	0.12
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	20	0.12
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	20	0.12
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	20	0.12
(1,1097)	1:99:A:ILE:HD11	1:25:A:THR:HG1	6	0.12
(1,1097)	1:99:A:ILE:HD12	1:25:A:THR:HG1	6	0.12
(1,1097)	1:99:A:ILE:HD13	1:25:A:THR:HG1	6	0.12
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB3	3	0.12
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB2	3	0.12
(1,1093)	1:107:A:HIS:H	1:98:A:GLN:HA	4	0.12
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	1	0.12
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	8	0.12
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	14	0.12
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	8	0.12
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1069)	1:97:A:PHE:H	1:108:A:SER:HA	17	0.12
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	1	0.12
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	1	0.12
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	1	0.12
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	10	0.12
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	10	0.12
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	10	0.12
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	11	0.12
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	11	0.12
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	11	0.12
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	13	0.12
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	13	0.12
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	13	0.12
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	18	0.12
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	18	0.12
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	18	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	3	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	3	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	3	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	15	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	15	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	15	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	17	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	17	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	17	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	19	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	19	0.12
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	19	0.12
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	4	0.12
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	1	0.12
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	20	0.12
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	20	0.12
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	20	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	10	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	10	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	10	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	16	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	16	0.12
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	16	0.12
(1,971)	1:39:A:VAL:HG21	1:86:A:LYS:HA	19	0.12
(1,971)	1:39:A:VAL:HG22	1:86:A:LYS:HA	19	0.12
(1,971)	1:39:A:VAL:HG23	1:86:A:LYS:HA	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	4	0.12
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	4	0.12
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	4	0.12
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE1	2	0.12
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE2	2	0.12
(1,957)	1:89:A:ASP:H	1:84:A:MET:HE3	2	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	1	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	7	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	8	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	12	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	13	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	17	0.12
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	18	0.12
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	10	0.12
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	10	0.12
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	10	0.12
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	10	0.12
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	10	0.12
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	10	0.12
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	10	0.12
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	10	0.12
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	10	0.12
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE1	5	0.12
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE2	5	0.12
(1,914)	1:41:A:PHE:HD1	1:82:A:MET:HE3	5	0.12
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE1	5	0.12
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE2	5	0.12
(1,914)	1:41:A:PHE:HD2	1:82:A:MET:HE3	5	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	11	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	11	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	11	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	11	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	11	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	11	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	11	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	11	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	11	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	19	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	19	0.12
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	19	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	19	0.12
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	19	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	19	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	19	0.12
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	19	0.12
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	16	0.12
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	16	0.12
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	16	0.12
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	3	0.12
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	19	0.12
(1,850)	1:74:A:ASP:H	1:78:A:GLY:HA2	18	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE1	14	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE2	14	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE3	14	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE1	14	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE2	14	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE3	14	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE1	19	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE2	19	0.12
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE3	19	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE1	19	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE2	19	0.12
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE3	19	0.12
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE1	19	0.12
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE2	19	0.12
(1,763)	1:56:A:TYR:HE1	1:71:A:MET:HE3	19	0.12
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE1	19	0.12
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE2	19	0.12
(1,763)	1:56:A:TYR:HE2	1:71:A:MET:HE3	19	0.12
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	6	0.12
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	6	0.12
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	6	0.12
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	13	0.12
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	13	0.12
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	13	0.12
(1,756)	1:84:A:MET:H	1:70:A:LYS:HB2	7	0.12
(1,756)	1:84:A:MET:H	1:70:A:LYS:HB2	8	0.12
(1,756)	1:84:A:MET:H	1:70:A:LYS:HB2	17	0.12
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	7	0.12
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	7	0.12
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	7	0.12
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	9	0.12
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	9	0.12
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	11	0.12
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	11	0.12
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	11	0.12
(1,730)	1:69:A:TYR:H	1:68:A:LYS:HD3	11	0.12
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	10	0.12
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	10	0.12
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	19	0.12
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	12	0.12
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	12	0.12
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	12	0.12
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	14	0.12
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	14	0.12
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	14	0.12
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG21	11	0.12
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG22	11	0.12
(1,657)	1:61:A:LYS:H	1:109:A:THR:HG23	11	0.12
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	7	0.12
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	16	0.12
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	17	0.12
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	12	0.12
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	12	0.12
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	17	0.12
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	17	0.12
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG3	12	0.12
(1,623)	1:58:A:PHE:H	1:61:A:LYS:HG2	12	0.12
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE1	13	0.12
(1,610)	1:57:A:ILE:HG21	1:69:A:TYR:HE2	13	0.12
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE1	13	0.12
(1,610)	1:57:A:ILE:HG22	1:69:A:TYR:HE2	13	0.12
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE1	13	0.12
(1,610)	1:57:A:ILE:HG23	1:69:A:TYR:HE2	13	0.12
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD11	13	0.12
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD12	13	0.12
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD13	13	0.12
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	12	0.12
(1,560)	1:99:A:ILE:HD11	1:54:A:VAL:HA	6	0.12
(1,560)	1:99:A:ILE:HD12	1:54:A:VAL:HA	6	0.12
(1,560)	1:99:A:ILE:HD13	1:54:A:VAL:HA	6	0.12
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG11	15	0.12
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG12	15	0.12
(1,528)	1:29:A:LEU:HD11	1:54:A:VAL:HG13	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG11	15	0.12
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG12	15	0.12
(1,528)	1:29:A:LEU:HD12	1:54:A:VAL:HG13	15	0.12
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG11	15	0.12
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG12	15	0.12
(1,528)	1:29:A:LEU:HD13	1:54:A:VAL:HG13	15	0.12
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	11	0.12
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	2	0.12
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	6	0.12
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	20	0.12
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB2	4	0.12
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB3	4	0.12
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB2	15	0.12
(1,478)	1:48:A:LEU:H	1:49:A:SER:HB3	15	0.12
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	7	0.12
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	19	0.12
(1,465)	1:47:A:LYS:H	1:77:A:THR:HB	16	0.12
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	9	0.12
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	8	0.12
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	8	0.12
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	8	0.12
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	11	0.12
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	11	0.12
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	11	0.12
(1,447)	1:46:A:GLU:HA	1:47:A:LYS:H	16	0.12
(1,446)	1:46:A:GLU:HB3	1:47:A:LYS:H	9	0.12
(1,446)	1:46:A:GLU:HB2	1:47:A:LYS:H	9	0.12
(1,444)	1:45:A:ALA:HB1	1:47:A:LYS:H	16	0.12
(1,444)	1:45:A:ALA:HB2	1:47:A:LYS:H	16	0.12
(1,444)	1:45:A:ALA:HB3	1:47:A:LYS:H	16	0.12
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	19	0.12
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	19	0.12
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	19	0.12
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	7	0.12
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	7	0.12
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	7	0.12
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	18	0.12
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	18	0.12
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	18	0.12
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	1	0.12
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	3	0.12
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	12	0.12
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	13	0.12
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	19	0.12
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD3	17	0.12
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD2	17	0.12
(1,382)	1:41:A:PHE:HA	1:40:A:ARG:HG2	13	0.12
(1,382)	1:41:A:PHE:HA	1:40:A:ARG:HG2	17	0.12
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	6	0.12
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	19	0.12
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	20	0.12
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG11	3	0.12
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG12	3	0.12
(1,349)	1:31:A:VAL:HG11	1:39:A:VAL:HG13	3	0.12
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG11	3	0.12
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG12	3	0.12
(1,349)	1:31:A:VAL:HG12	1:39:A:VAL:HG13	3	0.12
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG11	3	0.12
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG12	3	0.12
(1,349)	1:31:A:VAL:HG13	1:39:A:VAL:HG13	3	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	1	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	2	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	3	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	4	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	5	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	7	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	8	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	9	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	11	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	12	0.12
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	19	0.12
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	1	0.12
(1,325)	1:35:A:GLU:HB2	1:36:A:LYS:H	16	0.12
(1,311)	1:34:A:LEU:HD11	1:38:A:GLN:HE22	11	0.12
(1,311)	1:34:A:LEU:HD12	1:38:A:GLN:HE22	11	0.12
(1,311)	1:34:A:LEU:HD13	1:38:A:GLN:HE22	11	0.12
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	14	0.12
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	14	0.12
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	14	0.12
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	13	0.12
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	13	0.12
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	13	0.12
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	14	0.12
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	14	0.12
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	16	0.12
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	17	0.12
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	4	0.12
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	14	0.12
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	14	0.12
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	14	0.12
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	14	0.12
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	14	0.12
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	14	0.12
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	14	0.12
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	14	0.12
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	14	0.12
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD11	14	0.12
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD12	14	0.12
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD13	14	0.12
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD11	14	0.12
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD12	14	0.12
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD13	14	0.12
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD11	14	0.12
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD12	14	0.12
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD13	14	0.12
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD2	15	0.12
(1,186)	1:26:A:LYS:HA	1:26:A:LYS:HD3	15	0.12
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	16	0.12
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	16	0.12
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	16	0.12
(1,157)	1:23:A:VAL:H	1:23:A:VAL:HB	13	0.12
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD3	4	0.12
(1,95)	1:20:A:PHE:H	1:19:A:LYS:HD2	4	0.12
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	15	0.12
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	15	0.12
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	15	0.12
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	2	0.12
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	8	0.12
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	15	0.12
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	19	0.12
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	15	0.12
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	15	0.12
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	15	0.12
(1,60)	1:12:A:LEU:HB3	1:13:A:ALA:H	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:11:A:LEU:HA	1:14:A:LEU:HB2	1	0.12
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	20	0.12
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	10	0.12
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	10	0.12
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	10	0.12
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	2	0.12
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	4	0.12
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	5	0.12
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	9	0.12
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	9	0.12
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	7	0.12
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	10	0.12
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	10	0.12
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	6	0.11
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	7	0.11
(2,149)	1:216:A:ASP:H	1:209:A:LEU:O	16	0.11
(2,148)	1:211:A:ASP:N	1:214:A:GLY:O	16	0.11
(2,137)	1:205:A:TYR:H	1:220:A:LEU:O	12	0.11
(2,107)	1:146:A:GLU:H	1:154:A:LEU:O	18	0.11
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	11	0.11
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	17	0.11
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	15	0.11
(2,90)	1:122:A:LYS:N	1:118:A:LYS:O	18	0.11
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	3	0.11
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	13	0.11
(2,86)	1:120:A:LEU:N	1:116:A:VAL:O	19	0.11
(2,84)	1:114:A:GLY:O	1:118:A:LYS:N	20	0.11
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	13	0.11
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	1	0.11
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	3	0.11
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	13	0.11
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	6	0.11
(2,49)	1:74:A:ASP:H	1:79:A:ILE:O	15	0.11
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	4	0.11
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	17	0.11
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	18	0.11
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	19	0.11
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	11	0.11
(2,27)	1:43:A:MET:H	1:80:A:ILE:O	19	0.11
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	2	0.11
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	19	0.11
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:10:A:ARG:H	1:6:A:GLU:O	11	0.11
(1,2543)	1:230:A:LEU:H	1:231:A:MET:H	12	0.11
(1,2543)	1:230:A:LEU:H	1:231:A:MET:H	15	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD21	1	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD22	1	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD23	1	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD21	19	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD22	19	0.11
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD23	19	0.11
(1,2490)	1:226:A:ALA:HA	1:228:A:GLN:HE21	9	0.11
(1,2487)	1:194:A:ILE:HG21	1:228:A:GLN:HE21	14	0.11
(1,2487)	1:194:A:ILE:HG22	1:228:A:GLN:HE21	14	0.11
(1,2487)	1:194:A:ILE:HG23	1:228:A:GLN:HE21	14	0.11
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD11	15	0.11
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD12	15	0.11
(1,2483)	1:227:A:PHE:HB2	1:230:A:LEU:HD13	15	0.11
(1,2478)	1:227:A:PHE:HB3	1:228:A:GLN:H	19	0.11
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	3	0.11
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	3	0.11
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	3	0.11
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	8	0.11
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	8	0.11
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	8	0.11
(1,2428)	1:225:A:GLU:HB3	1:226:A:ALA:H	10	0.11
(1,2428)	1:225:A:GLU:HB2	1:226:A:ALA:H	10	0.11
(1,2417)	1:223:A:VAL:HG11	1:225:A:GLU:HG2	2	0.11
(1,2417)	1:223:A:VAL:HG12	1:225:A:GLU:HG2	2	0.11
(1,2417)	1:223:A:VAL:HG13	1:225:A:GLU:HG2	2	0.11
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG21	18	0.11
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG22	18	0.11
(1,2387)	1:227:A:PHE:HE1	1:223:A:VAL:HG23	18	0.11
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG21	18	0.11
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG22	18	0.11
(1,2387)	1:227:A:PHE:HE2	1:223:A:VAL:HG23	18	0.11
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	2	0.11
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	2	0.11
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	2	0.11
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	4	0.11
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	4	0.11
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	4	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD21	2	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD22	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD23	2	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD21	2	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD22	2	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD23	2	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD21	18	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD22	18	0.11
(1,2337)	1:145:A:TRP:HB2	1:222:A:LEU:HD23	18	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD21	18	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD22	18	0.11
(1,2337)	1:145:A:TRP:HB3	1:222:A:LEU:HD23	18	0.11
(1,2329)	1:220:A:LEU:HD21	1:220:A:LEU:HA	8	0.11
(1,2329)	1:220:A:LEU:HD22	1:220:A:LEU:HA	8	0.11
(1,2329)	1:220:A:LEU:HD23	1:220:A:LEU:HA	8	0.11
(1,2329)	1:220:A:LEU:HD21	1:220:A:LEU:HA	19	0.11
(1,2329)	1:220:A:LEU:HD22	1:220:A:LEU:HA	19	0.11
(1,2329)	1:220:A:LEU:HD23	1:220:A:LEU:HA	19	0.11
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	17	0.11
(1,2295)	1:217:A:LYS:H	1:217:A:LYS:HB2	4	0.11
(1,2295)	1:217:A:LYS:H	1:217:A:LYS:HB2	18	0.11
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	5	0.11
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	5	0.11
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	11	0.11
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	11	0.11
(1,2248)	1:209:A:LEU:H	1:215:A:LYS:HB2	9	0.11
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	18	0.11
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	18	0.11
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	18	0.11
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	18	0.11
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	18	0.11
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	18	0.11
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	20	0.11
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	20	0.11
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	20	0.11
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	20	0.11
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	20	0.11
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	20	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	5	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	5	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	5	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	9	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	9	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG21	12	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG22	12	0.11
(1,2196)	1:169:A:VAL:H	1:207:A:VAL:HG23	12	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD21	7	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD22	7	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD23	7	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD21	17	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD22	17	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD23	17	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD21	18	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD22	18	0.11
(1,2185)	1:205:A:TYR:HA	1:222:A:LEU:HD23	18	0.11
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	9	0.11
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	9	0.11
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE1	13	0.11
(1,2178)	1:202:A:ALA:HA	1:205:A:TYR:HE2	13	0.11
(1,2166)	1:222:A:LEU:HD11	1:203:A:GLY:H	1	0.11
(1,2166)	1:222:A:LEU:HD12	1:203:A:GLY:H	1	0.11
(1,2166)	1:222:A:LEU:HD13	1:203:A:GLY:H	1	0.11
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	9	0.11
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	15	0.11
(1,2146)	1:202:A:ALA:H	1:200:A:LYS:HA	5	0.11
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	1	0.11
(1,2137)	1:198:A:SER:H	1:201:A:ASP:HA	18	0.11
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	4	0.11
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	4	0.11
(1,2098)	1:196:A:GLU:H	1:195:A:THR:HB	13	0.11
(1,2080)	1:222:A:LEU:HD11	1:194:A:ILE:HG21	1	0.11
(1,2080)	1:222:A:LEU:HD11	1:194:A:ILE:HG22	1	0.11
(1,2080)	1:222:A:LEU:HD11	1:194:A:ILE:HG23	1	0.11
(1,2080)	1:222:A:LEU:HD12	1:194:A:ILE:HG21	1	0.11
(1,2080)	1:222:A:LEU:HD12	1:194:A:ILE:HG22	1	0.11
(1,2080)	1:222:A:LEU:HD12	1:194:A:ILE:HG23	1	0.11
(1,2080)	1:222:A:LEU:HD13	1:194:A:ILE:HG21	1	0.11
(1,2080)	1:222:A:LEU:HD13	1:194:A:ILE:HG22	1	0.11
(1,2080)	1:222:A:LEU:HD13	1:194:A:ILE:HG23	1	0.11
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	10	0.11
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	10	0.11
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	10	0.11
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	10	0.11
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	10	0.11
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	11	0.11
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	11	0.11
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	11	0.11
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	11	0.11
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	11	0.11
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	11	0.11
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	2	0.11
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	2	0.11
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	2	0.11
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	3	0.11
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	3	0.11
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	3	0.11
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	9	0.11
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	9	0.11
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	9	0.11
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	11	0.11
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	11	0.11
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	11	0.11
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	14	0.11
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	14	0.11
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	14	0.11
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	11	0.11
(1,2058)	1:194:A:ILE:H	1:193:A:LEU:HA	18	0.11
(1,2050)	1:153:A:VAL:HA	1:194:A:ILE:HG12	1	0.11
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD11	2	0.11
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD12	2	0.11
(1,2048)	1:145:A:TRP:HB3	1:194:A:ILE:HD13	2	0.11
(1,2044)	1:193:A:LEU:H	1:205:A:TYR:HH	8	0.11
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB1	8	0.11
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB2	8	0.11
(1,1992)	1:189:A:ILE:HG13	1:160:A:ALA:HB3	8	0.11
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	1	0.11
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	1	0.11
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	1	0.11
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	1	0.11
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	1	0.11
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	1	0.11
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	9	0.11
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	9	0.11
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	9	0.11
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	9	0.11
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	9	0.11
(1,1946)	1:175:A:ARG:HA	1:177:A:ILE:H	13	0.11
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD11	8	0.11
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD12	8	0.11
(1,1922)	1:172:A:LYS:H	1:177:A:ILE:HD13	8	0.11
(1,1907)	1:169:A:VAL:HG21	1:171:A:TYR:HA	10	0.11
(1,1907)	1:169:A:VAL:HG22	1:171:A:TYR:HA	10	0.11
(1,1907)	1:169:A:VAL:HG23	1:171:A:TYR:HA	10	0.11
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	13	0.11
(1,1885)	1:169:A:VAL:H	1:168:A:ILE:HB	15	0.11
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	11	0.11
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	3	0.11
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	5	0.11
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	14	0.11
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD21	18	0.11
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD22	18	0.11
(1,1793)	1:155:A:LEU:H	1:154:A:LEU:HD23	18	0.11
(1,1790)	1:146:A:GLU:H	1:155:A:LEU:HA	19	0.11
(1,1746)	1:153:A:VAL:HG11	1:145:A:TRP:HB2	9	0.11
(1,1746)	1:153:A:VAL:HG12	1:145:A:TRP:HB2	9	0.11
(1,1746)	1:153:A:VAL:HG13	1:145:A:TRP:HB2	9	0.11
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	19	0.11
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	18	0.11
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	18	0.11
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	18	0.11
(1,1707)	1:147:A:VAL:HG21	1:151:A:SER:HA	19	0.11
(1,1707)	1:147:A:VAL:HG22	1:151:A:SER:HA	19	0.11
(1,1707)	1:147:A:VAL:HG23	1:151:A:SER:HA	19	0.11
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	12	0.11
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	12	0.11
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	12	0.11
(1,1654)	1:146:A:GLU:H	1:145:A:TRP:HB3	12	0.11
(1,1654)	1:146:A:GLU:H	1:145:A:TRP:HB2	12	0.11
(1,1651)	1:145:A:TRP:HZ3	1:220:A:LEU:HD11	9	0.11
(1,1651)	1:145:A:TRP:HZ3	1:220:A:LEU:HD12	9	0.11
(1,1651)	1:145:A:TRP:HZ3	1:220:A:LEU:HD13	9	0.11
(1,1605)	1:141:A:GLU:HB3	1:159:A:VAL:HA	6	0.11
(1,1592)	1:135:A:GLN:H	1:135:A:GLN:HG3	9	0.11
(1,1592)	1:135:A:GLN:H	1:135:A:GLN:HG2	9	0.11
(1,1591)	1:135:A:GLN:H	1:135:A:GLN:HE21	7	0.11
(1,1577)	1:132:A:ILE:HG13	1:135:A:GLN:H	1	0.11
(1,1572)	1:135:A:GLN:HE22	1:131:A:TRP:HZ2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:134:A:LYS:H	1:132:A:ILE:HG13	2	0.11
(1,1560)	1:133:A:ARG:H	1:132:A:ILE:HB	11	0.11
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD11	10	0.11
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD12	10	0.11
(1,1558)	1:133:A:ARG:H	1:132:A:ILE:HD13	10	0.11
(1,1553)	1:132:A:ILE:HD11	1:132:A:ILE:H	2	0.11
(1,1553)	1:132:A:ILE:HD12	1:132:A:ILE:H	2	0.11
(1,1553)	1:132:A:ILE:HD13	1:132:A:ILE:H	2	0.11
(1,1535)	1:131:A:TRP:HD1	1:130:A:GLU:HG2	6	0.11
(1,1533)	1:130:A:GLU:H	1:130:A:GLU:HG3	12	0.11
(1,1533)	1:130:A:GLU:H	1:130:A:GLU:HG2	12	0.11
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	13	0.11
(1,1496)	1:127:A:GLN:HE22	1:127:A:GLN:HB2	20	0.11
(1,1484)	1:35:A:GLU:HB2	1:127:A:GLN:HE22	16	0.11
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB1	9	0.11
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB2	9	0.11
(1,1443)	1:123:A:GLU:H	1:124:A:ALA:HB3	9	0.11
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	4	0.11
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	4	0.11
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	3	0.11
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	3	0.11
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	3	0.11
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	7	0.11
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	7	0.11
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	7	0.11
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	18	0.11
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	18	0.11
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	18	0.11
(1,1416)	1:33:A:ILE:HG21	1:121:A:GLN:HA	20	0.11
(1,1416)	1:33:A:ILE:HG22	1:121:A:GLN:HA	20	0.11
(1,1416)	1:33:A:ILE:HG23	1:121:A:GLN:HA	20	0.11
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD11	2	0.11
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD12	2	0.11
(1,1401)	1:119:A:LYS:H	1:120:A:LEU:HD13	2	0.11
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD11	20	0.11
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD12	20	0.11
(1,1392)	1:31:A:VAL:HA	1:120:A:LEU:HD13	20	0.11
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	7	0.11
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	13	0.11
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	15	0.11
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD3	8	0.11
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD3	8	0.11
(1,1359)	1:31:A:VAL:HG11	1:119:A:LYS:HD2	8	0.11
(1,1359)	1:31:A:VAL:HG12	1:119:A:LYS:HD2	8	0.11
(1,1359)	1:31:A:VAL:HG13	1:119:A:LYS:HD2	8	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	6	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	7	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	15	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	17	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	18	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	19	0.11
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	20	0.11
(1,1353)	1:118:A:LYS:HA	1:118:A:LYS:HD3	15	0.11
(1,1353)	1:118:A:LYS:HA	1:118:A:LYS:HD3	17	0.11
(1,1306)	1:116:A:VAL:H	1:115:A:ASP:HB3	2	0.11
(1,1300)	1:113:A:ILE:H	1:116:A:VAL:HB	1	0.11
(1,1298)	1:111:A:VAL:HG11	1:116:A:VAL:HB	7	0.11
(1,1298)	1:111:A:VAL:HG12	1:116:A:VAL:HB	7	0.11
(1,1298)	1:111:A:VAL:HG13	1:116:A:VAL:HB	7	0.11
(1,1289)	1:114:A:GLY:H	1:113:A:ILE:HG12	5	0.11
(1,1289)	1:114:A:GLY:H	1:113:A:ILE:HG12	14	0.11
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG21	5	0.11
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG22	5	0.11
(1,1252)	1:92:A:GLU:HG3	1:113:A:ILE:HG23	5	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	6	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	6	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	6	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	8	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	8	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	8	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	9	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	9	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	9	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD11	20	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD12	20	0.11
(1,1251)	1:59:A:ASN:HD22	1:113:A:ILE:HD13	20	0.11
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG21	9	0.11
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG22	9	0.11
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG23	9	0.11
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG11	9	0.11
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG12	9	0.11
(1,1239)	1:112:A:LEU:H	1:111:A:VAL:HG13	9	0.11
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG21	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG22	1	0.11
(1,1221)	1:110:A:LEU:H	1:94:A:THR:HG23	1	0.11
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	1	0.11
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	1	0.11
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	1	0.11
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	5	0.11
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	5	0.11
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	5	0.11
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	14	0.11
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	14	0.11
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	14	0.11
(1,1168)	1:104:A:ALA:HB1	1:105:A:THR:HA	19	0.11
(1,1168)	1:104:A:ALA:HB2	1:105:A:THR:HA	19	0.11
(1,1168)	1:104:A:ALA:HB3	1:105:A:THR:HA	19	0.11
(1,1147)	1:101:A:ASP:H	1:100:A:GLN:HG3	9	0.11
(1,1138)	1:100:A:GLN:HG3	1:100:A:GLN:HA	5	0.11
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	2	0.11
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	2	0.11
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	2	0.11
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	1	0.11
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	1	0.11
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	1	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	1	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	1	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	1	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	14	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	14	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	14	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD11	15	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD12	15	0.11
(1,1101)	1:43:A:MET:HB2	1:99:A:ILE:HD13	15	0.11
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	7	0.11
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	9	0.11
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	10	0.11
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	15	0.11
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	18	0.11
(1,1083)	1:97:A:PHE:HD1	1:98:A:GLN:H	10	0.11
(1,1083)	1:97:A:PHE:HD2	1:98:A:GLN:H	10	0.11
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	12	0.11
(1,1079)	1:62:A:GLU:HG3	1:98:A:GLN:HE22	19	0.11
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	4	0.11
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	13	0.11
(1,1076)	1:57:A:ILE:HG13	1:98:A:GLN:HE22	19	0.11
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	5	0.11
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG21	20	0.11
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG22	20	0.11
(1,1035)	1:94:A:THR:H	1:94:A:THR:HG23	20	0.11
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	5	0.11
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	16	0.11
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	7	0.11
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	11	0.11
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	14	0.11
(1,1017)	1:90:A:GLU:H	1:90:A:GLU:HB3	16	0.11
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG3	5	0.11
(1,1007)	1:88:A:GLN:HE21	1:86:A:LYS:HG2	5	0.11
(1,1003)	1:88:A:GLN:HE21	1:86:A:LYS:HE2	3	0.11
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	10	0.11
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	10	0.11
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	10	0.11
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	11	0.11
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	11	0.11
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	11	0.11
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	14	0.11
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	14	0.11
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	14	0.11
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	3	0.11
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	3	0.11
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	3	0.11
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	4	0.11
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	4	0.11
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	4	0.11
(1,975)	1:86:A:LYS:H	1:84:A:MET:HE1	18	0.11
(1,975)	1:86:A:LYS:H	1:84:A:MET:HE2	18	0.11
(1,975)	1:86:A:LYS:H	1:84:A:MET:HE3	18	0.11
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	4	0.11
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE1	8	0.11
(1,939)	1:83:A:PHE:H	1:83:A:PHE:HE2	8	0.11
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	7	0.11
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	7	0.11
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	7	0.11
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	7	0.11
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	7	0.11
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	7	0.11
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	7	0.11
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	7	0.11
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	14	0.11
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	14	0.11
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	14	0.11
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	14	0.11
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	14	0.11
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	14	0.11
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	14	0.11
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	14	0.11
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	14	0.11
(1,902)	1:82:A:MET:H	1:80:A:ILE:HG21	12	0.11
(1,902)	1:82:A:MET:H	1:80:A:ILE:HG22	12	0.11
(1,902)	1:82:A:MET:H	1:80:A:ILE:HG23	12	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD11	1	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD12	1	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD13	1	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD11	9	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD12	9	0.11
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD13	9	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	1	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	1	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	1	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	1	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	1	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	1	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	1	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	1	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	1	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	12	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	12	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	12	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	12	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	12	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	12	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	12	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	12	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	12	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD11	14	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD12	14	0.11
(1,880)	1:29:A:LEU:HD21	1:80:A:ILE:HD13	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD11	14	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD12	14	0.11
(1,880)	1:29:A:LEU:HD22	1:80:A:ILE:HD13	14	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD11	14	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD12	14	0.11
(1,880)	1:29:A:LEU:HD23	1:80:A:ILE:HD13	14	0.11
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	20	0.11
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	20	0.11
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	20	0.11
(1,846)	1:48:A:LEU:H	1:78:A:GLY:HA2	7	0.11
(1,807)	1:73:A:ILE:HD11	1:75:A:ARG:HH21	4	0.11
(1,807)	1:73:A:ILE:HD12	1:75:A:ARG:HH21	4	0.11
(1,807)	1:73:A:ILE:HD13	1:75:A:ARG:HH21	4	0.11
(1,807)	1:73:A:ILE:HD11	1:75:A:ARG:HH21	11	0.11
(1,807)	1:73:A:ILE:HD12	1:75:A:ARG:HH21	11	0.11
(1,807)	1:73:A:ILE:HD13	1:75:A:ARG:HH21	11	0.11
(1,807)	1:73:A:ILE:HD11	1:75:A:ARG:HH21	16	0.11
(1,807)	1:73:A:ILE:HD12	1:75:A:ARG:HH21	16	0.11
(1,807)	1:73:A:ILE:HD13	1:75:A:ARG:HH21	16	0.11
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE1	8	0.11
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE2	8	0.11
(1,771)	1:69:A:TYR:HD1	1:71:A:MET:HE3	8	0.11
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE1	8	0.11
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE2	8	0.11
(1,771)	1:69:A:TYR:HD2	1:71:A:MET:HE3	8	0.11
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE1	9	0.11
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE2	9	0.11
(1,766)	1:64:A:PHE:H	1:71:A:MET:HE3	9	0.11
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	5	0.11
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	5	0.11
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	5	0.11
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	10	0.11
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	10	0.11
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	10	0.11
(1,758)	1:71:A:MET:HE1	1:41:A:PHE:HB3	11	0.11
(1,758)	1:71:A:MET:HE2	1:41:A:PHE:HB3	11	0.11
(1,758)	1:71:A:MET:HE3	1:41:A:PHE:HB3	11	0.11
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	5	0.11
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	5	0.11
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE2	19	0.11
(1,740)	1:69:A:TYR:H	1:70:A:LYS:HE3	19	0.11
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	7	0.11
(1,709)	1:63:A:ILE:HG13	1:68:A:LYS:HE2	20	0.11
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD11	3	0.11
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD12	3	0.11
(1,681)	1:64:A:PHE:H	1:63:A:ILE:HD13	3	0.11
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	10	0.11
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	11	0.11
(1,654)	1:62:A:GLU:H	1:61:A:LYS:H	19	0.11
(1,648)	1:61:A:LYS:H	1:61:A:LYS:HD3	6	0.11
(1,648)	1:61:A:LYS:H	1:61:A:LYS:HD2	6	0.11
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	6	0.11
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	6	0.11
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD1	10	0.11
(1,635)	1:59:A:ASN:H	1:95:A:TYR:HD2	10	0.11
(1,609)	1:57:A:ILE:HD11	1:63:A:ILE:H	15	0.11
(1,609)	1:57:A:ILE:HD12	1:63:A:ILE:H	15	0.11
(1,609)	1:57:A:ILE:HD13	1:63:A:ILE:H	15	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD11	1	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD12	1	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD13	1	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD11	14	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD12	14	0.11
(1,605)	1:62:A:GLU:H	1:57:A:ILE:HD13	14	0.11
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	11	0.11
(1,524)	1:53:A:LYS:HG3	1:100:A:GLN:HE22	10	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB1	4	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB2	4	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB3	4	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB1	20	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB2	20	0.11
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB3	20	0.11
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	1	0.11
(1,483)	1:48:A:LEU:HG	1:49:A:SER:H	4	0.11
(1,480)	1:48:A:LEU:HD11	1:49:A:SER:H	4	0.11
(1,480)	1:48:A:LEU:HD12	1:49:A:SER:H	4	0.11
(1,480)	1:48:A:LEU:HD13	1:49:A:SER:H	4	0.11
(1,468)	1:47:A:LYS:HG3	1:48:A:LEU:HA	2	0.11
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	12	0.11
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD11	15	0.11
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD12	15	0.11
(1,459)	1:47:A:LYS:HA	1:48:A:LEU:HD13	15	0.11
(1,446)	1:46:A:GLU:HB3	1:47:A:LYS:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,446)	1:46:A:GLU:HB2	1:47:A:LYS:H	6	0.11
(1,446)	1:46:A:GLU:HB3	1:47:A:LYS:H	10	0.11
(1,446)	1:46:A:GLU:HB2	1:47:A:LYS:H	10	0.11
(1,446)	1:46:A:GLU:HB3	1:47:A:LYS:H	11	0.11
(1,446)	1:46:A:GLU:HB2	1:47:A:LYS:H	11	0.11
(1,446)	1:46:A:GLU:HB3	1:47:A:LYS:H	14	0.11
(1,446)	1:46:A:GLU:HB2	1:47:A:LYS:H	14	0.11
(1,444)	1:45:A:ALA:HB1	1:47:A:LYS:H	2	0.11
(1,444)	1:45:A:ALA:HB2	1:47:A:LYS:H	2	0.11
(1,444)	1:45:A:ALA:HB3	1:47:A:LYS:H	2	0.11
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	7	0.11
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	7	0.11
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	7	0.11
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	2	0.11
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	2	0.11
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	2	0.11
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG21	7	0.11
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG22	7	0.11
(1,423)	1:45:A:ALA:HB1	1:99:A:ILE:HG23	7	0.11
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG21	7	0.11
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG22	7	0.11
(1,423)	1:45:A:ALA:HB2	1:99:A:ILE:HG23	7	0.11
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG21	7	0.11
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG22	7	0.11
(1,423)	1:45:A:ALA:HB3	1:99:A:ILE:HG23	7	0.11
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB1	7	0.11
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB2	7	0.11
(1,415)	1:25:A:THR:HG21	1:45:A:ALA:HB3	7	0.11
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB1	7	0.11
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB2	7	0.11
(1,415)	1:25:A:THR:HG22	1:45:A:ALA:HB3	7	0.11
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB1	7	0.11
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB2	7	0.11
(1,415)	1:25:A:THR:HG23	1:45:A:ALA:HB3	7	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	2	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	5	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	6	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	7	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	8	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	9	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	10	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	14	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	15	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	16	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	17	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	18	0.11
(1,412)	1:44:A:GLN:HE22	1:44:A:GLN:HE21	20	0.11
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD3	19	0.11
(1,387)	1:42:A:TRP:HZ2	1:40:A:ARG:HD2	19	0.11
(1,382)	1:41:A:PHE:HA	1:40:A:ARG:HG2	10	0.11
(1,367)	1:32:A:GLU:H	1:40:A:ARG:HB2	11	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	6	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	10	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	13	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	14	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	15	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	16	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	17	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	18	0.11
(1,331)	1:36:A:LYS:HG2	1:36:A:LYS:HG3	20	0.11
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	3	0.11
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	3	0.11
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	3	0.11
(1,309)	1:34:A:LEU:HD21	1:38:A:GLN:HE22	8	0.11
(1,309)	1:34:A:LEU:HD22	1:38:A:GLN:HE22	8	0.11
(1,309)	1:34:A:LEU:HD23	1:38:A:GLN:HE22	8	0.11
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	10	0.11
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	10	0.11
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	10	0.11
(1,282)	1:31:A:VAL:HG21	1:33:A:ILE:HB	13	0.11
(1,282)	1:31:A:VAL:HG22	1:33:A:ILE:HB	13	0.11
(1,282)	1:31:A:VAL:HG23	1:33:A:ILE:HB	13	0.11
(1,280)	1:32:A:GLU:HB2	1:42:A:TRP:HE1	19	0.11
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	1	0.11
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	1	0.11
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	1	0.11
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	12	0.11
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	12	0.11
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	12	0.11
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	17	0.11
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	17	0.11
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	17	0.11
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:30:A:ALA:HA	1:42:A:TRP:H	14	0.11
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	5	0.11
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	6	0.11
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	11	0.11
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	11	0.11
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	11	0.11
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	11	0.11
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	11	0.11
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	11	0.11
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	11	0.11
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	11	0.11
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	11	0.11
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD11	10	0.11
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD12	10	0.11
(1,227)	1:29:A:LEU:HD21	1:79:A:ILE:HD13	10	0.11
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD11	10	0.11
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD12	10	0.11
(1,227)	1:29:A:LEU:HD22	1:79:A:ILE:HD13	10	0.11
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD11	10	0.11
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD12	10	0.11
(1,227)	1:29:A:LEU:HD23	1:79:A:ILE:HD13	10	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD11	11	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD12	11	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD13	11	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD11	17	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD12	17	0.11
(1,226)	1:57:A:ILE:H	1:29:A:LEU:HD13	17	0.11
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	6	0.11
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	6	0.11
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	6	0.11
(1,183)	1:25:A:THR:HG21	1:26:A:LYS:HB2	14	0.11
(1,183)	1:25:A:THR:HG22	1:26:A:LYS:HB2	14	0.11
(1,183)	1:25:A:THR:HG23	1:26:A:LYS:HB2	14	0.11
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD1	13	0.11
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD2	13	0.11
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD1	13	0.11
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD2	13	0.11
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD1	13	0.11
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD2	13	0.11
(1,96)	1:20:A:PHE:HD1	1:19:A:LYS:HA	1	0.11
(1,96)	1:20:A:PHE:HD2	1:19:A:LYS:HA	1	0.11
(1,94)	1:20:A:PHE:HB3	1:18:A:HIS:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	1	0.11
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	1	0.11
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	1	0.11
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	8	0.11
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	8	0.11
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	8	0.11
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	19	0.11
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	19	0.11
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	19	0.11
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	3	0.11
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	3	0.11
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	3	0.11
(1,75)	1:14:A:LEU:H	1:14:A:LEU:HA	8	0.11
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	5	0.11
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	5	0.11
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	5	0.11
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	3	0.11
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	5	0.11
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	6	0.11
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	12	0.11
(1,69)	1:13:A:ALA:HA	1:13:A:ALA:H	17	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	6	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	6	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	6	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	9	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	9	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	9	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB1	17	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB2	17	0.11
(1,66)	1:12:A:LEU:H	1:13:A:ALA:HB3	17	0.11
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	5	0.11
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	5	0.11
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	6	0.11
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	6	0.11
(1,21)	1:8:A:MET:H	1:8:A:MET:HB3	11	0.11
(1,21)	1:8:A:MET:H	1:8:A:MET:HB2	11	0.11
(1,16)	1:7:A:GLU:HB3	1:8:A:MET:H	4	0.11
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB2	18	0.11
(1,12)	1:7:A:GLU:H	1:7:A:GLU:HB3	18	0.11
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	20	0.11
(2,143)	1:208:A:ILE:H	1:169:A:VAL:O	6	0.1
(2,129)	1:177:A:ILE:H	1:170:A:TRP:O	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,125)	1:172:A:LYS:H	1:175:A:ARG:O	4	0.1
(2,101)	1:128:A:ARG:H	1:124:A:ALA:O	1	0.1
(2,99)	1:127:A:GLN:H	1:123:A:GLU:O	16	0.1
(2,95)	1:125:A:GLU:H	1:121:A:GLN:O	1	0.1
(2,91)	1:123:A:GLU:H	1:119:A:LYS:O	18	0.1
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	3	0.1
(2,53)	1:80:A:ILE:H	1:43:A:MET:O	6	0.1
(2,51)	1:79:A:ILE:H	1:76:A:ASN:O	17	0.1
(2,30)	1:45:A:ALA:N	1:78:A:GLY:O	2	0.1
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	1	0.1
(2,26)	1:30:A:ALA:O	1:42:A:TRP:N	14	0.1
(2,21)	1:40:A:ARG:H	1:32:A:GLU:O	5	0.1
(2,5)	1:11:A:LEU:H	1:7:A:GLU:O	6	0.1
(1,2550)	1:231:A:MET:HA	1:231:A:MET:HG3	7	0.1
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD21	11	0.1
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD22	11	0.1
(1,2527)	1:229:A:ASP:H	1:230:A:LEU:HD23	11	0.1
(1,2508)	1:228:A:GLN:H	1:231:A:MET:HG2	11	0.1
(1,2477)	1:227:A:PHE:HD1	1:228:A:GLN:H	11	0.1
(1,2477)	1:227:A:PHE:HD2	1:228:A:GLN:H	11	0.1
(1,2463)	1:227:A:PHE:H	1:226:A:ALA:HA	10	0.1
(1,2461)	1:226:A:ALA:HB1	1:227:A:PHE:HA	17	0.1
(1,2461)	1:226:A:ALA:HB2	1:227:A:PHE:HA	17	0.1
(1,2461)	1:226:A:ALA:HB3	1:227:A:PHE:HA	17	0.1
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	1	0.1
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	1	0.1
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	1	0.1
(1,2455)	1:226:A:ALA:HB1	1:229:A:ASP:H	4	0.1
(1,2455)	1:226:A:ALA:HB2	1:229:A:ASP:H	4	0.1
(1,2455)	1:226:A:ALA:HB3	1:229:A:ASP:H	4	0.1
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB1	6	0.1
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB2	6	0.1
(1,2451)	1:227:A:PHE:H	1:226:A:ALA:HB3	6	0.1
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	7	0.1
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	7	0.1
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	7	0.1
(1,2385)	1:223:A:VAL:HG11	1:227:A:PHE:H	16	0.1
(1,2385)	1:223:A:VAL:HG12	1:227:A:PHE:H	16	0.1
(1,2385)	1:223:A:VAL:HG13	1:227:A:PHE:H	16	0.1
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	4	0.1
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	4	0.1
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG11	15	0.1
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG12	15	0.1
(1,2383)	1:225:A:GLU:H	1:223:A:VAL:HG13	15	0.1
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG11	8	0.1
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG12	8	0.1
(1,2363)	1:199:A:LYS:HA	1:223:A:VAL:HG13	8	0.1
(1,2300)	1:218:A:SER:H	1:217:A:LYS:HB3	3	0.1
(1,2295)	1:217:A:LYS:H	1:217:A:LYS:HB2	7	0.1
(1,2295)	1:217:A:LYS:H	1:217:A:LYS:HB2	20	0.1
(1,2289)	1:208:A:ILE:HG21	1:217:A:LYS:HA	9	0.1
(1,2289)	1:208:A:ILE:HG22	1:217:A:LYS:HA	9	0.1
(1,2289)	1:208:A:ILE:HG23	1:217:A:LYS:HA	9	0.1
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB3	3	0.1
(1,2285)	1:217:A:LYS:H	1:215:A:LYS:HB2	3	0.1
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG3	6	0.1
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG3	6	0.1
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG3	6	0.1
(1,2215)	1:208:A:ILE:HD11	1:206:A:GLU:HG2	6	0.1
(1,2215)	1:208:A:ILE:HD12	1:206:A:GLU:HG2	6	0.1
(1,2215)	1:208:A:ILE:HD13	1:206:A:GLU:HG2	6	0.1
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD11	4	0.1
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD12	4	0.1
(1,2213)	1:171:A:TYR:H	1:208:A:ILE:HD13	4	0.1
(1,2148)	1:201:A:ASP:H	1:202:A:ALA:H	17	0.1
(1,2145)	1:200:A:LYS:H	1:202:A:ALA:HB1	19	0.1
(1,2145)	1:200:A:LYS:H	1:202:A:ALA:HB2	19	0.1
(1,2145)	1:200:A:LYS:H	1:202:A:ALA:HB3	19	0.1
(1,2116)	1:197:A:PHE:HD1	1:202:A:ALA:H	14	0.1
(1,2116)	1:197:A:PHE:HD2	1:202:A:ALA:H	14	0.1
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD1	15	0.1
(1,2072)	1:194:A:ILE:HD11	1:197:A:PHE:HD2	15	0.1
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD1	15	0.1
(1,2072)	1:194:A:ILE:HD12	1:197:A:PHE:HD2	15	0.1
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD1	15	0.1
(1,2072)	1:194:A:ILE:HD13	1:197:A:PHE:HD2	15	0.1
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	6	0.1
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	6	0.1
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	6	0.1
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	13	0.1
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	13	0.1
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	13	0.1
(1,2069)	1:194:A:ILE:HG21	1:195:A:THR:H	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2069)	1:194:A:ILE:HG22	1:195:A:THR:H	20	0.1
(1,2069)	1:194:A:ILE:HG23	1:195:A:THR:H	20	0.1
(1,2054)	1:194:A:ILE:HD11	1:155:A:LEU:HG	12	0.1
(1,2054)	1:194:A:ILE:HD12	1:155:A:LEU:HG	12	0.1
(1,2054)	1:194:A:ILE:HD13	1:155:A:LEU:HG	12	0.1
(1,2054)	1:194:A:ILE:HD11	1:155:A:LEU:HG	15	0.1
(1,2054)	1:194:A:ILE:HD12	1:155:A:LEU:HG	15	0.1
(1,2054)	1:194:A:ILE:HD13	1:155:A:LEU:HG	15	0.1
(1,1978)	1:179:A:VAL:H	1:179:A:VAL:HG21	6	0.1
(1,1978)	1:179:A:VAL:H	1:179:A:VAL:HG22	6	0.1
(1,1978)	1:179:A:VAL:H	1:179:A:VAL:HG23	6	0.1
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD1	3	0.1
(1,1973)	1:177:A:ILE:HD11	1:205:A:TYR:HD2	3	0.1
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD1	3	0.1
(1,1973)	1:177:A:ILE:HD12	1:205:A:TYR:HD2	3	0.1
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD1	3	0.1
(1,1973)	1:177:A:ILE:HD13	1:205:A:TYR:HD2	3	0.1
(1,1950)	1:171:A:TYR:HA	1:176:A:GLU:H	6	0.1
(1,1949)	1:171:A:TYR:HD1	1:176:A:GLU:H	7	0.1
(1,1949)	1:171:A:TYR:HD2	1:176:A:GLU:H	7	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG21	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG22	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG23	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG11	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG12	19	0.1
(1,1903)	1:170:A:TRP:HE1	1:179:A:VAL:HG13	19	0.1
(1,1879)	1:168:A:ILE:HG21	1:209:A:LEU:HD21	2	0.1
(1,1879)	1:168:A:ILE:HG21	1:209:A:LEU:HD22	2	0.1
(1,1879)	1:168:A:ILE:HG21	1:209:A:LEU:HD23	2	0.1
(1,1879)	1:168:A:ILE:HG22	1:209:A:LEU:HD21	2	0.1
(1,1879)	1:168:A:ILE:HG22	1:209:A:LEU:HD22	2	0.1
(1,1879)	1:168:A:ILE:HG22	1:209:A:LEU:HD23	2	0.1
(1,1879)	1:168:A:ILE:HG23	1:209:A:LEU:HD21	2	0.1
(1,1879)	1:168:A:ILE:HG23	1:209:A:LEU:HD22	2	0.1
(1,1879)	1:168:A:ILE:HG23	1:209:A:LEU:HD23	2	0.1
(1,1851)	1:165:A:GLU:H	1:167:A:HIS:H	7	0.1
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG21	11	0.1
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG22	11	0.1
(1,1847)	1:209:A:LEU:HD11	1:162:A:ILE:HG23	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG21	11	0.1
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG22	11	0.1
(1,1847)	1:209:A:LEU:HD12	1:162:A:ILE:HG23	11	0.1
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG21	11	0.1
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG22	11	0.1
(1,1847)	1:209:A:LEU:HD13	1:162:A:ILE:HG23	11	0.1
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	2	0.1
(1,1842)	1:160:A:ALA:H	1:162:A:ILE:HB	10	0.1
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	6	0.1
(1,1812)	1:156:A:LYS:H	1:156:A:LYS:HB2	9	0.1
(1,1781)	1:154:A:LEU:HD21	1:156:A:LYS:HB2	7	0.1
(1,1781)	1:154:A:LEU:HD22	1:156:A:LYS:HB2	7	0.1
(1,1781)	1:154:A:LEU:HD23	1:156:A:LYS:HB2	7	0.1
(1,1775)	1:222:A:LEU:HD11	1:153:A:VAL:HG21	18	0.1
(1,1775)	1:222:A:LEU:HD11	1:153:A:VAL:HG22	18	0.1
(1,1775)	1:222:A:LEU:HD11	1:153:A:VAL:HG23	18	0.1
(1,1775)	1:222:A:LEU:HD12	1:153:A:VAL:HG21	18	0.1
(1,1775)	1:222:A:LEU:HD12	1:153:A:VAL:HG22	18	0.1
(1,1775)	1:222:A:LEU:HD12	1:153:A:VAL:HG23	18	0.1
(1,1775)	1:222:A:LEU:HD13	1:153:A:VAL:HG21	18	0.1
(1,1775)	1:222:A:LEU:HD13	1:153:A:VAL:HG22	18	0.1
(1,1775)	1:222:A:LEU:HD13	1:153:A:VAL:HG23	18	0.1
(1,1743)	1:197:A:PHE:H	1:152:A:ASN:HA	15	0.1
(1,1717)	1:150:A:GLU:HG2	1:152:A:ASN:HD21	5	0.1
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD21	6	0.1
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD22	6	0.1
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD23	6	0.1
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD11	6	0.1
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD12	6	0.1
(1,1704)	1:150:A:GLU:HB3	1:193:A:LEU:HD13	6	0.1
(1,1681)	1:148:A:THR:HG21	1:152:A:ASN:HD22	20	0.1
(1,1681)	1:148:A:THR:HG22	1:152:A:ASN:HD22	20	0.1
(1,1681)	1:148:A:THR:HG23	1:152:A:ASN:HD22	20	0.1
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	3	0.1
(1,1673)	1:147:A:VAL:HB	1:148:A:THR:H	20	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD11	6	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD12	6	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD13	6	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD21	6	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD22	6	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD23	6	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD11	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD12	18	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD13	18	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD21	18	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD22	18	0.1
(1,1625)	1:143:A:LEU:H	1:143:A:LEU:HD23	18	0.1
(1,1605)	1:141:A:GLU:HB3	1:159:A:VAL:HA	13	0.1
(1,1587)	1:135:A:GLN:HE22	1:135:A:GLN:HB3	7	0.1
(1,1562)	1:134:A:LYS:H	1:132:A:ILE:H	17	0.1
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG21	11	0.1
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG22	11	0.1
(1,1546)	1:131:A:TRP:HZ3	1:132:A:ILE:HG23	11	0.1
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD11	14	0.1
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD12	14	0.1
(1,1541)	1:130:A:GLU:H	1:132:A:ILE:HD13	14	0.1
(1,1508)	1:128:A:ARG:HE	1:128:A:ARG:HB2	13	0.1
(1,1507)	1:128:A:ARG:HB3	1:128:A:ARG:HE	13	0.1
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD3	9	0.1
(1,1433)	1:122:A:LYS:H	1:122:A:LYS:HD2	9	0.1
(1,1382)	1:119:A:LYS:HB3	1:119:A:LYS:HA	5	0.1
(1,1362)	1:116:A:VAL:HA	1:119:A:LYS:HD3	2	0.1
(1,1354)	1:118:A:LYS:HA	1:118:A:LYS:HG2	1	0.1
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	2	0.1
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	2	0.1
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	2	0.1
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG21	10	0.1
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG22	10	0.1
(1,1307)	1:115:A:ASP:HB2	1:116:A:VAL:HG23	10	0.1
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	3	0.1
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	3	0.1
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	3	0.1
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD11	17	0.1
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD12	17	0.1
(1,1228)	1:110:A:LEU:H	1:110:A:LEU:HD13	17	0.1
(1,1219)	1:110:A:LEU:HD11	1:31:A:VAL:HB	15	0.1
(1,1219)	1:110:A:LEU:HD12	1:31:A:VAL:HB	15	0.1
(1,1219)	1:110:A:LEU:HD13	1:31:A:VAL:HB	15	0.1
(1,1211)	1:109:A:THR:HG21	1:107:A:HIS:HB2	13	0.1
(1,1211)	1:109:A:THR:HG22	1:107:A:HIS:HB2	13	0.1
(1,1211)	1:109:A:THR:HG23	1:107:A:HIS:HB2	13	0.1
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG21	3	0.1
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG22	3	0.1
(1,1197)	1:107:A:HIS:H	1:23:A:VAL:HG23	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:100:A:GLN:HE21	1:105:A:THR:HB	7	0.1
(1,1176)	1:100:A:GLN:HE22	1:105:A:THR:HB	7	0.1
(1,1147)	1:101:A:ASP:H	1:100:A:GLN:HG3	19	0.1
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	8	0.1
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	8	0.1
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	8	0.1
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG21	12	0.1
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG22	12	0.1
(1,1123)	1:101:A:ASP:H	1:99:A:ILE:HG23	12	0.1
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG21	5	0.1
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG22	5	0.1
(1,1105)	1:46:A:GLU:H	1:99:A:ILE:HG23	5	0.1
(1,1100)	1:99:A:ILE:HD11	1:43:A:MET:HB3	8	0.1
(1,1100)	1:99:A:ILE:HD12	1:43:A:MET:HB3	8	0.1
(1,1100)	1:99:A:ILE:HD13	1:43:A:MET:HB3	8	0.1
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB3	6	0.1
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB2	6	0.1
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB3	18	0.1
(1,1094)	1:107:A:HIS:H	1:98:A:GLN:HB2	18	0.1
(1,1092)	1:100:A:GLN:HE22	1:98:A:GLN:HG3	5	0.1
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	11	0.1
(1,1074)	1:57:A:ILE:HG13	1:98:A:GLN:HE21	13	0.1
(1,1073)	1:98:A:GLN:HB3	1:55:A:SER:HB2	19	0.1
(1,1039)	1:94:A:THR:HG21	1:95:A:TYR:HA	14	0.1
(1,1039)	1:94:A:THR:HG22	1:95:A:TYR:HA	14	0.1
(1,1039)	1:94:A:THR:HG23	1:95:A:TYR:HA	14	0.1
(1,1023)	1:92:A:GLU:H	1:58:A:PHE:HZ	11	0.1
(1,1001)	1:87:A:LEU:HD11	1:121:A:GLN:HA	18	0.1
(1,1001)	1:87:A:LEU:HD12	1:121:A:GLN:HA	18	0.1
(1,1001)	1:87:A:LEU:HD13	1:121:A:GLN:HA	18	0.1
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD21	17	0.1
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD22	17	0.1
(1,995)	1:87:A:LEU:H	1:87:A:LEU:HD23	17	0.1
(1,987)	1:88:A:GLN:H	1:86:A:LYS:HD2	3	0.1
(1,958)	1:94:A:THR:H	1:84:A:MET:HE1	15	0.1
(1,958)	1:94:A:THR:H	1:84:A:MET:HE2	15	0.1
(1,958)	1:94:A:THR:H	1:84:A:MET:HE3	15	0.1
(1,955)	1:84:A:MET:HA	1:85:A:GLU:HG2	5	0.1
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD11	20	0.1
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD12	20	0.1
(1,918)	1:82:A:MET:HE1	1:63:A:ILE:HD13	20	0.1
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD11	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD12	20	0.1
(1,918)	1:82:A:MET:HE2	1:63:A:ILE:HD13	20	0.1
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD11	20	0.1
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD12	20	0.1
(1,918)	1:82:A:MET:HE3	1:63:A:ILE:HD13	20	0.1
(1,913)	1:82:A:MET:H	1:40:A:ARG:HG2	2	0.1
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD11	5	0.1
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD12	5	0.1
(1,885)	1:43:A:MET:H	1:80:A:ILE:HD13	5	0.1
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	8	0.1
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	8	0.1
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	8	0.1
(1,879)	1:79:A:ILE:HG21	1:81:A:GLU:HA	10	0.1
(1,879)	1:79:A:ILE:HG22	1:81:A:GLU:HA	10	0.1
(1,879)	1:79:A:ILE:HG23	1:81:A:GLU:HA	10	0.1
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD11	13	0.1
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD12	13	0.1
(1,866)	1:45:A:ALA:H	1:79:A:ILE:HD13	13	0.1
(1,860)	1:78:A:GLY:HA2	1:81:A:GLU:H	17	0.1
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE1	19	0.1
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE2	19	0.1
(1,775)	1:70:A:LYS:H	1:71:A:MET:HE3	19	0.1
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE1	14	0.1
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE2	14	0.1
(1,760)	1:56:A:TYR:H	1:71:A:MET:HE3	14	0.1
(1,741)	1:84:A:MET:HE1	1:69:A:TYR:HA	17	0.1
(1,741)	1:84:A:MET:HE2	1:69:A:TYR:HA	17	0.1
(1,741)	1:84:A:MET:HE3	1:69:A:TYR:HA	17	0.1
(1,711)	1:64:A:PHE:HD1	1:68:A:LYS:HE2	20	0.1
(1,711)	1:64:A:PHE:HD2	1:68:A:LYS:HE2	20	0.1
(1,671)	1:63:A:ILE:HD11	1:63:A:ILE:HA	11	0.1
(1,671)	1:63:A:ILE:HD12	1:63:A:ILE:HA	11	0.1
(1,671)	1:63:A:ILE:HD13	1:63:A:ILE:HA	11	0.1
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG3	4	0.1
(1,651)	1:61:A:LYS:H	1:61:A:LYS:HG2	4	0.1
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD11	7	0.1
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD12	7	0.1
(1,606)	1:63:A:ILE:HD11	1:57:A:ILE:HD13	7	0.1
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD11	7	0.1
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD12	7	0.1
(1,606)	1:63:A:ILE:HD12	1:57:A:ILE:HD13	7	0.1
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD11	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD12	7	0.1
(1,606)	1:63:A:ILE:HD13	1:57:A:ILE:HD13	7	0.1
(1,566)	1:55:A:SER:H	1:99:A:ILE:HG12	17	0.1
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB1	13	0.1
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB2	13	0.1
(1,501)	1:51:A:ASN:H	1:52:A:ALA:HB3	13	0.1
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	3	0.1
(1,464)	1:47:A:LYS:HA	1:49:A:SER:H	7	0.1
(1,444)	1:45:A:ALA:HB1	1:47:A:LYS:H	7	0.1
(1,444)	1:45:A:ALA:HB2	1:47:A:LYS:H	7	0.1
(1,444)	1:45:A:ALA:HB3	1:47:A:LYS:H	7	0.1
(1,425)	1:25:A:THR:HG21	1:46:A:GLU:HG3	1	0.1
(1,425)	1:25:A:THR:HG22	1:46:A:GLU:HG3	1	0.1
(1,425)	1:25:A:THR:HG23	1:46:A:GLU:HG3	1	0.1
(1,424)	1:23:A:VAL:HG21	1:46:A:GLU:HG3	13	0.1
(1,424)	1:23:A:VAL:HG22	1:46:A:GLU:HG3	13	0.1
(1,424)	1:23:A:VAL:HG23	1:46:A:GLU:HG3	13	0.1
(1,338)	1:37:A:GLY:H	1:36:A:LYS:HB3	17	0.1
(1,322)	1:34:A:LEU:HD11	1:35:A:GLU:H	17	0.1
(1,322)	1:34:A:LEU:HD12	1:35:A:GLU:H	17	0.1
(1,322)	1:34:A:LEU:HD13	1:35:A:GLU:H	17	0.1
(1,322)	1:34:A:LEU:HD21	1:35:A:GLU:H	17	0.1
(1,322)	1:34:A:LEU:HD22	1:35:A:GLU:H	17	0.1
(1,322)	1:34:A:LEU:HD23	1:35:A:GLU:H	17	0.1
(1,285)	1:33:A:ILE:HD11	1:33:A:ILE:H	7	0.1
(1,285)	1:33:A:ILE:HD12	1:33:A:ILE:H	7	0.1
(1,285)	1:33:A:ILE:HD13	1:33:A:ILE:H	7	0.1
(1,282)	1:31:A:VAL:HG21	1:33:A:ILE:HB	10	0.1
(1,282)	1:31:A:VAL:HG22	1:33:A:ILE:HB	10	0.1
(1,282)	1:31:A:VAL:HG23	1:33:A:ILE:HB	10	0.1
(1,282)	1:31:A:VAL:HG21	1:33:A:ILE:HB	17	0.1
(1,282)	1:31:A:VAL:HG22	1:33:A:ILE:HB	17	0.1
(1,282)	1:31:A:VAL:HG23	1:33:A:ILE:HB	17	0.1
(1,281)	1:42:A:TRP:HE1	1:32:A:GLU:HB3	19	0.1
(1,271)	1:31:A:VAL:HG21	1:112:A:LEU:HG	6	0.1
(1,271)	1:31:A:VAL:HG22	1:112:A:LEU:HG	6	0.1
(1,271)	1:31:A:VAL:HG23	1:112:A:LEU:HG	6	0.1
(1,261)	1:31:A:VAL:HG11	1:33:A:ILE:HA	17	0.1
(1,261)	1:31:A:VAL:HG12	1:33:A:ILE:HA	17	0.1
(1,261)	1:31:A:VAL:HG13	1:33:A:ILE:HA	17	0.1
(1,257)	1:31:A:VAL:HG21	1:32:A:GLU:H	16	0.1
(1,257)	1:31:A:VAL:HG22	1:32:A:GLU:H	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,257)	1:31:A:VAL:HG23	1:32:A:GLU:H	16	0.1
(1,249)	1:30:A:ALA:H	1:41:A:PHE:HA	18	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	8	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	8	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	8	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	8	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	8	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	8	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	8	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	8	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	8	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	18	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	18	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	18	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	18	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	18	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	18	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	18	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	18	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	18	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD21	19	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD22	19	0.1
(1,239)	1:29:A:LEU:HD21	1:110:A:LEU:HD23	19	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD21	19	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD22	19	0.1
(1,239)	1:29:A:LEU:HD22	1:110:A:LEU:HD23	19	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD21	19	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD22	19	0.1
(1,239)	1:29:A:LEU:HD23	1:110:A:LEU:HD23	19	0.1
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD21	14	0.1
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD22	14	0.1
(1,221)	1:43:A:MET:HA	1:29:A:LEU:HD23	14	0.1
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD1	12	0.1
(1,177)	1:25:A:THR:HG21	1:97:A:PHE:HD2	12	0.1
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD1	12	0.1
(1,177)	1:25:A:THR:HG22	1:97:A:PHE:HD2	12	0.1
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD1	12	0.1
(1,177)	1:25:A:THR:HG23	1:97:A:PHE:HD2	12	0.1
(1,131)	1:22:A:THR:H	1:21:A:PRO:HB3	13	0.1
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB1	18	0.1
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB2	18	0.1
(1,128)	1:21:A:PRO:HB2	1:30:A:ALA:HB3	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:20:A:PHE:H	1:20:A:PHE:HD1	18	0.1
(1,106)	1:20:A:PHE:H	1:20:A:PHE:HD2	18	0.1
(1,87)	1:14:A:LEU:HD11	1:16:A:GLN:HE21	13	0.1
(1,87)	1:14:A:LEU:HD12	1:16:A:GLN:HE21	13	0.1
(1,87)	1:14:A:LEU:HD13	1:16:A:GLN:HE21	13	0.1
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	1	0.1
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	1	0.1
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	1	0.1
(1,77)	1:14:A:LEU:HD21	1:15:A:SER:HB3	14	0.1
(1,77)	1:14:A:LEU:HD22	1:15:A:SER:HB3	14	0.1
(1,77)	1:14:A:LEU:HD23	1:15:A:SER:HB3	14	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	4	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	4	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	4	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	13	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	13	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	13	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB1	14	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB2	14	0.1
(1,71)	1:15:A:SER:H	1:13:A:ALA:HB3	14	0.1
(1,41)	1:11:A:LEU:H	1:10:A:ARG:HA	3	0.1
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD21	11	0.1
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD22	11	0.1
(1,38)	1:8:A:MET:H	1:11:A:LEU:HD23	11	0.1
(1,31)	1:9:A:LYS:H	1:9:A:LYS:HA	14	0.1
(1,5)	1:6:A:GLU:H	1:6:A:GLU:HA	1	0.1

10 Dihedral-angle violation analysis

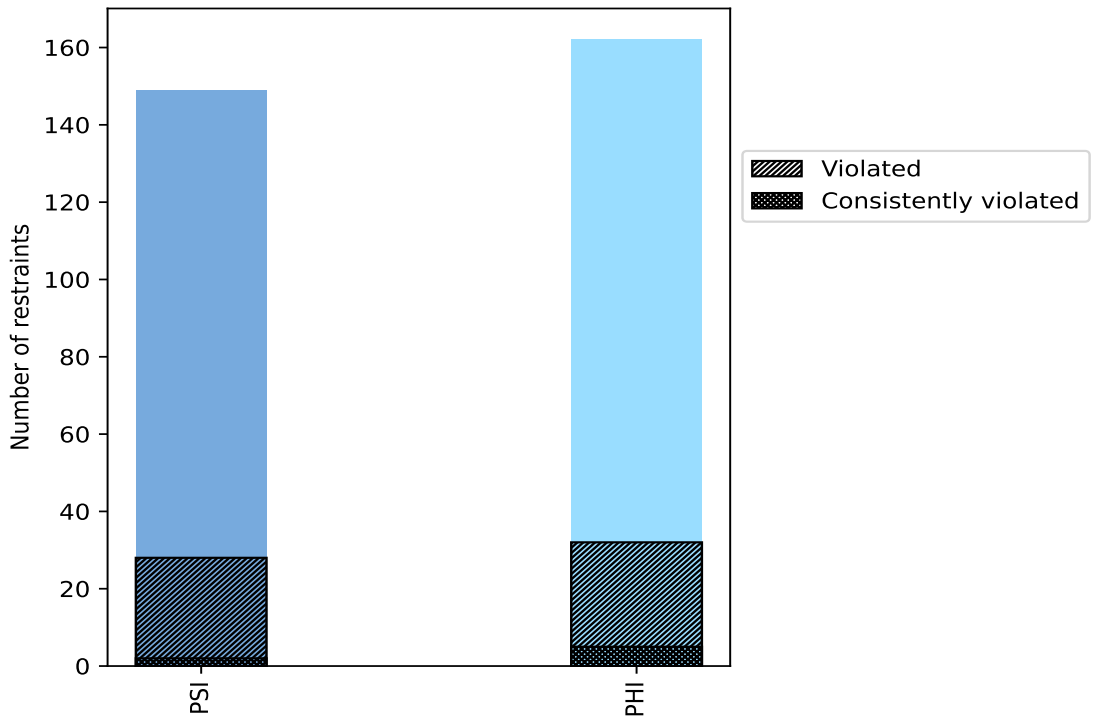
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	149	47.9	28	18.8	9.0	2	1.3	0.6
PHI	162	52.1	32	19.8	10.3	5	3.1	1.6
Total	311	100.0	60	19.3	19.3	7	2.3	2.3

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



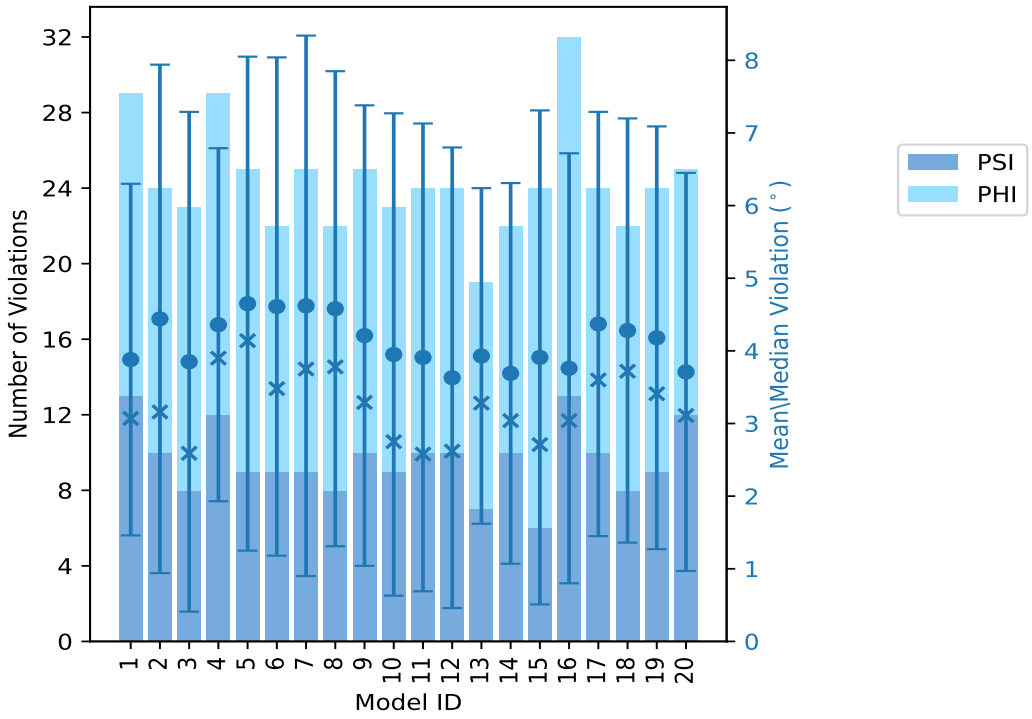
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	13	16	29	3.88	9.9	2.42	3.07
2	10	14	24	4.44	15.34	3.5	3.16
3	8	15	23	3.85	16.03	3.44	2.59
4	12	17	29	4.36	12.06	2.43	3.9
5	9	16	25	4.65	15.84	3.4	4.14
6	9	13	22	4.61	16.93	3.43	3.48
7	9	16	25	4.62	16.33	3.72	3.75
8	8	14	22	4.58	15.46	3.27	3.78
9	10	15	25	4.21	15.02	3.17	3.29
10	9	14	23	3.95	16.15	3.32	2.75
11	10	14	24	3.91	14.86	3.22	2.58
12	10	14	24	3.63	15.19	3.17	2.62
13	7	12	19	3.93	9.88	2.31	3.28
14	10	12	22	3.69	11.44	2.62	3.04
15	6	18	24	3.91	14.63	3.4	2.71
16	13	19	32	3.76	15.09	2.96	3.04
17	10	14	24	4.37	14.39	2.92	3.6
18	8	14	22	4.28	13.59	2.92	3.72
19	9	15	24	4.18	13.41	2.91	3.41
20	12	13	25	3.71	11.52	2.74	3.11

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
5	4	9	1	5.0
4	1	5	2	10.0
2	3	5	3	15.0
3	2	5	4	20.0
1	7	8	5	25.0
2	2	4	6	30.0
1	1	2	7	35.0
2	0	2	8	40.0
1	0	1	9	45.0
0	0	0	10	50.0
0	0	0	11	55.0

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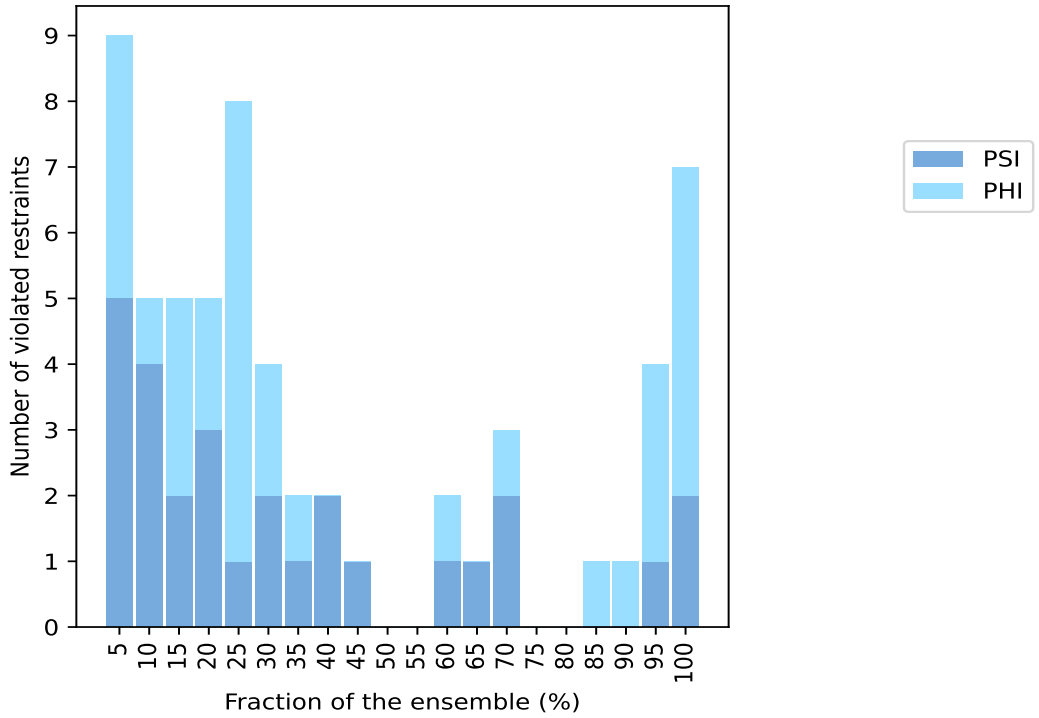
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
1	1	2	12	60.0
1	0	1	13	65.0
2	1	3	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	1	1	17	85.0
0	1	1	18	90.0
1	3	4	19	95.0
2	5	7	20	100.0

[1] Number of models with violations

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

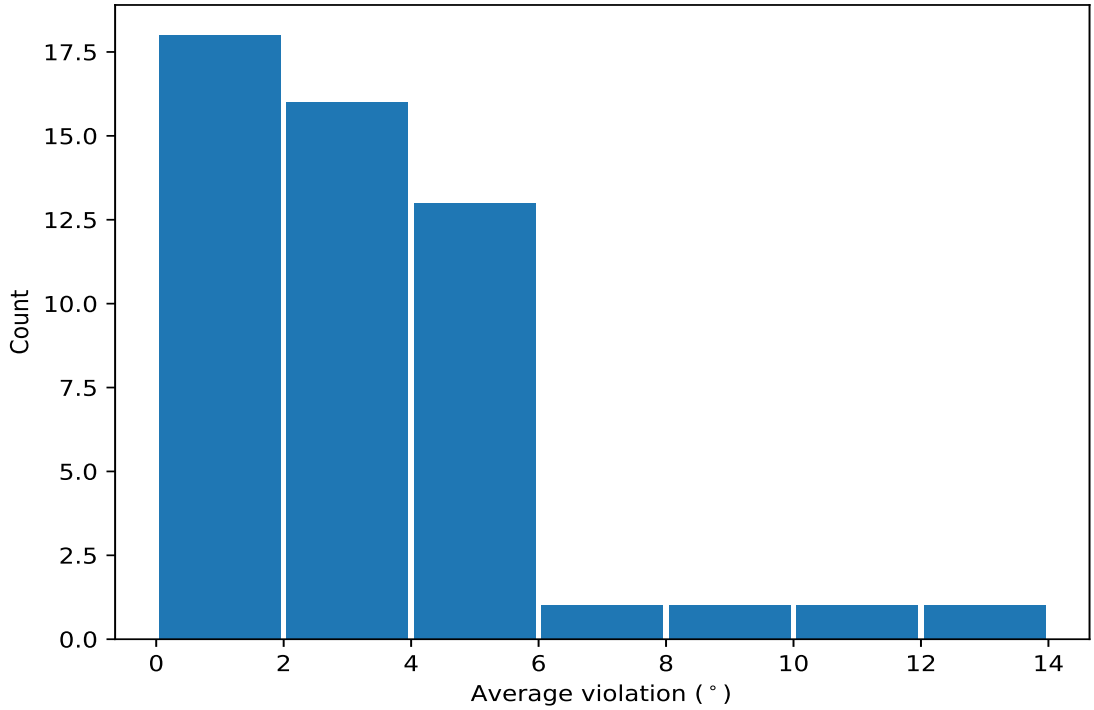


10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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

in the ensemble



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	20	13.9	2.16	14.74
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	20	10.21	0.9	10.18
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	20	5.44	1.77	5.42
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	20	4.91	1.37	4.75
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	20	3.72	0.91	3.86
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	20	2.99	0.89	3.13
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	20	2.78	0.45	2.68
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	19	4.99	0.91	5.07
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	19	4.87	0.51	4.85
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	19	4.46	0.98	4.4
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	19	2.77	0.56	2.89
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	18	3.34	0.71	3.51
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	17	1.9	0.63	1.89
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	14	3.18	1.22	3.72
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	14	2.41	0.92	2.37
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	14	1.93	0.59	1.8
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	13	4.1	1.27	4.23
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	12	1.98	0.58	1.86
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	12	1.54	0.29	1.48
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	9	1.81	0.55	1.67

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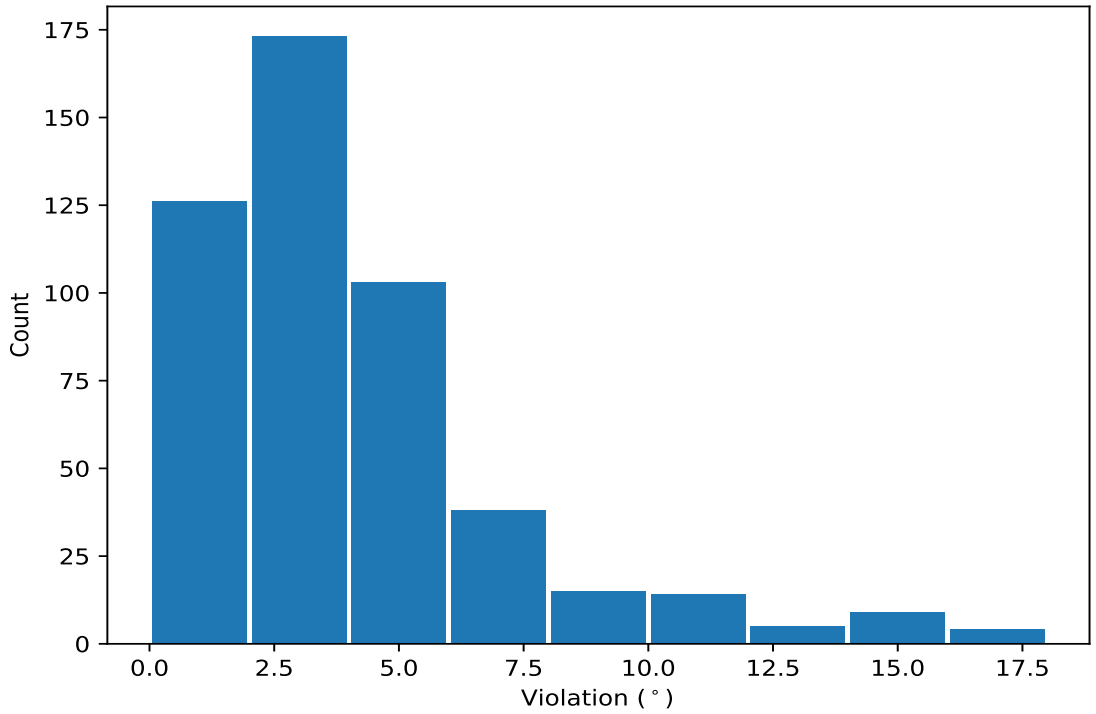
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	8	5.95	1.61	6.46
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	8	5.7	2.22	6.61
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	7	2.83	1.12	2.51
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	7	1.83	0.68	1.85
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	6	8.92	3.53	7.4
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	6	4.0	1.76	3.78
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	6	2.34	0.99	2.07
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	6	2.19	0.53	2.0
(1,180)	1:133:A:ARG:N	1:133:A:ARG:CA	1:133:A:ARG:C	1:134:A:LYS:N	5	5.74	3.12	5.36
(1,176)	1:130:A:GLU:C	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	5	5.73	2.22	4.57
(1,178)	1:131:A:TRP:C	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	5	4.27	3.37	1.77
(1,32)	1:29:A:LEU:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	5	2.07	0.64	2.09
(1,136)	1:107:A:HIS:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	5	1.94	0.72	1.51
(1,272)	1:203:A:GLY:C	1:204:A:PHE:N	1:204:A:PHE:CA	1:204:A:PHE:C	5	1.93	0.72	1.65
(1,166)	1:125:A:GLU:C	1:126:A:PHE:N	1:126:A:PHE:CA	1:126:A:PHE:C	5	1.49	0.36	1.45
(1,146)	1:115:A:ASP:C	1:116:A:VAL:N	1:116:A:VAL:CA	1:116:A:VAL:C	5	1.44	0.31	1.51
(1,168)	1:126:A:PHE:C	1:127:A:GLN:N	1:127:A:GLN:CA	1:127:A:GLN:C	4	3.67	0.33	3.68
(1,184)	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	1:140:A:ALA:N	4	3.42	1.13	3.98
(1,60)	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1:53:A:LYS:N	4	1.84	0.45	1.76
(1,261)	1:196:A:GLU:C	1:197:A:PHE:N	1:197:A:PHE:CA	1:197:A:PHE:C	4	1.56	0.28	1.53
(1,51)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:GLN:N	4	1.31	0.27	1.27
(1,172)	1:128:A:ARG:C	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	3	3.97	1.94	3.34
(1,186)	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	1:141:A:GLU:N	3	2.45	0.32	2.65
(1,283)	1:212:A:ASP:N	1:212:A:ASP:CA	1:212:A:ASP:C	1:213:A:ARG:N	3	1.31	0.36	1.12
(1,43)	1:37:A:GLY:C	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	3	1.27	0.34	1.06
(1,197)	1:146:A:GLU:C	1:147:A:VAL:N	1:147:A:VAL:CA	1:147:A:VAL:C	3	1.17	0.03	1.17
(1,179)	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	1:133:A:ARG:N	2	7.33	4.49	7.33
(1,174)	1:129:A:GLN:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	2	5.31	2.01	5.31
(1,182)	1:135:A:GLN:N	1:135:A:GLN:CA	1:135:A:GLN:C	1:136:A:GLY:N	2	3.08	0.01	3.08
(1,113)	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	1:87:A:LEU:N	2	1.5	0.38	1.5
(1,140)	1:110:A:LEU:N	1:110:A:LEU:CA	1:110:A:LEU:C	1:111:A:VAL:N	2	1.16	0.06	1.16

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	6	16.93
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	7	16.33
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	10	16.15
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	3	16.03
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	5	15.84
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	8	15.46
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	2	15.34
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	12	15.19
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	16	15.09
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	9	15.02
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	11	14.86
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	15	14.63
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	17	14.39
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	18	13.59
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	19	13.41
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	5	12.37
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	4	12.06
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	15	12.05
(1,179)	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	1:133:A:ARG:N	2	11.82
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	20	11.52
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	14	11.44

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	2	11.2
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	16	10.97
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	7	10.96
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	8	10.92
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	6	10.85
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	9	10.48
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	4	10.48
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	3	10.39
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	11	10.39
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	14	10.29
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	10	10.06
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1	9.9
(1,59)	1:51:A:ASN:C	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	13	9.88
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	12	9.71
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	17	9.67
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	19	9.66
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	5	9.65
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	7	9.62
(1,178)	1:131:A:TRP:C	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	7	9.6
(1,176)	1:130:A:GLU:C	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	7	9.47
(1,180)	1:133:A:ARG:N	1:133:A:ARG:CA	1:133:A:ARG:C	1:134:A:LYS:N	20	9.39
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	1	9.27
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	20	9.19
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	13	8.99
(1,180)	1:133:A:ARG:N	1:133:A:ARG:CA	1:133:A:ARG:C	1:134:A:LYS:N	18	8.97
(1,95)	1:74:A:ASP:C	1:75:A:ARG:N	1:75:A:ARG:CA	1:75:A:ARG:C	18	8.8
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	1	7.98
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	19	7.97
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	8	7.93
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	9	7.77
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	1	7.48
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	9	7.43
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	17	7.32
(1,174)	1:129:A:GLN:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	4	7.32
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	16	7.32
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	15	7.29
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	3	7.16
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	10	7.15
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	12	7.1
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	6	7.06
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	11	7.05
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	19	7.04
(1,176)	1:130:A:GLU:C	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	16	7.0
(1,178)	1:131:A:TRP:C	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	4	6.93
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	8	6.81
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	13	6.8
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	17	6.74
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	9	6.74
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	7	6.71
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	12	6.71
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	11	6.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	15	6.61
(1,172)	1:128:A:ARG:C	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	5	6.6
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	15	6.59
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	6	6.58
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	1	6.52
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	4	6.46
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	19	6.46
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	2	6.45
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	17	6.37
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	18	6.36
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	11	6.31
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	16	6.12
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	20	6.01
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	1	5.83
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	19	5.8
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	8	5.8
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	3	5.79
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	18	5.79
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	3	5.73
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	8	5.68
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	16	5.67
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	6	5.66
(1,9)	1:8:A:MET:N	1:8:A:MET:CA	1:8:A:MET:C	1:9:A:LYS:N	17	5.63
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	2	5.47
(1,173)	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	1:130:A:GLU:N	6	5.46
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	3	5.46
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	9	5.45
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	20	5.43
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	14	5.41
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	5	5.39
(1,180)	1:133:A:ARG:N	1:133:A:ARG:CA	1:133:A:ARG:C	1:134:A:LYS:N	5	5.36
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	10	5.35
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	16	5.33
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	20	5.26
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	5	5.23
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	14	5.21
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	2	5.2
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	2	5.17
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	1	5.17
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	4	5.17
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	5	5.16
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	5	5.16
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	10	5.14
(1,177)	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	1:132:A:ILE:N	4	5.12
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	4	5.08
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	1	5.08
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	9	5.07
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	14	5.06
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	12	5.0
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	11	4.99
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	1	4.98

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	10	4.94
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	4	4.91
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	4	4.9
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	15	4.89
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	7	4.88
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	6	4.86
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	19	4.85
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	6	4.82
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	15	4.81
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	11	4.78
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	6	4.77
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	5	4.75
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	4	4.71
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	2	4.7
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	17	4.69
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	18	4.62
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	1	4.61
(1,28)	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	1:27:A:SER:N	17	4.59
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	13	4.58
(1,176)	1:130:A:GLU:C	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	13	4.57
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	5	4.56
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	3	4.56
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	5	4.56
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	13	4.55
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	18	4.54
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	13	4.53
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	4	4.52
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	20	4.5
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	17	4.5
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	8	4.48
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	8	4.48
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	11	4.42
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	17	4.4
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	18	4.4
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	19	4.4
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	14	4.36
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	17	4.36
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	18	4.33
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	1	4.33
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	2	4.3
(1,184)	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	1:140:A:ALA:N	16	4.24
(1,176)	1:130:A:GLU:C	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	15	4.24
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	18	4.24
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	19	4.23
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	15	4.23
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	16	4.23
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	16	4.22
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	8	4.21
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	18	4.21
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	20	4.2
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	7	4.18

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	9	4.16
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	12	4.16
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	5	4.14
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	13	4.13
(1,168)	1:126:A:PHE:C	1:127:A:GLN:N	1:127:A:GLN:CA	1:127:A:GLN:C	7	4.12
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	11	4.12
(1,184)	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	1:140:A:ALA:N	4	4.07
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	2	4.05
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	8	4.04
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	9	4.04
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	9	4.02
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	4	4.01
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	10	4.01
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	1	4.0
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	7	3.98
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	7	3.97
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	16	3.93
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	10	3.93
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	4	3.9
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	7	3.89
(1,184)	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	1:140:A:ALA:N	20	3.89
(1,180)	1:133:A:ARG:N	1:133:A:ARG:CA	1:133:A:ARG:C	1:134:A:LYS:N	14	3.88
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	14	3.85
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	13	3.84
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	8	3.82
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	19	3.8
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	2	3.79
(1,112)	1:85:A:GLU:C	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	19	3.77
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	7	3.75
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	8	3.74
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	7	3.74
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	4	3.73
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	17	3.73
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	6	3.71
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	14	3.71
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	6	3.69
(1,168)	1:126:A:PHE:C	1:127:A:GLN:N	1:127:A:GLN:CA	1:127:A:GLN:C	1	3.69
(1,168)	1:126:A:PHE:C	1:127:A:GLN:N	1:127:A:GLN:CA	1:127:A:GLN:C	5	3.68
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	16	3.67
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	19	3.67
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	10	3.66
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	11	3.64
(1,121)	1:96:A:THR:C	1:97:A:PHE:N	1:97:A:PHE:CA	1:97:A:PHE:C	14	3.62
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	11	3.61
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	4	3.61
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	1	3.6
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	4	3.59
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	16	3.57
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	8	3.54
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	10	3.51
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	17	3.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	9	3.46
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	3	3.44
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	20	3.41
(1,176)	1:130:A:GLU:C	1:131:A:TRP:N	1:131:A:TRP:CA	1:131:A:TRP:C	4	3.38
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	3	3.37
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	10	3.35
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	12	3.35
(1,272)	1:203:A:GLY:C	1:204:A:PHE:N	1:204:A:PHE:CA	1:204:A:PHE:C	15	3.34
(1,172)	1:128:A:ARG:C	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	17	3.34
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	9	3.34
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	4	3.34
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	4	3.3
(1,174)	1:129:A:GLN:C	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	16	3.3
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	9	3.29
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	20	3.29
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	13	3.28
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	14	3.27
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	15	3.27
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	6	3.27
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	9	3.27
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	18	3.24
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	8	3.21
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	9	3.2
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	3	3.19
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	12	3.19
(1,168)	1:126:A:PHE:C	1:127:A:GLN:N	1:127:A:GLN:CA	1:127:A:GLN:C	16	3.19
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	2	3.19
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	19	3.15
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	20	3.14
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	17	3.14
(1,181)	1:134:A:LYS:C	1:135:A:GLN:N	1:135:A:GLN:CA	1:135:A:GLN:C	5	3.14
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	2	3.14
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	2	3.14
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	15	3.12
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	20	3.11
(1,182)	1:135:A:GLN:N	1:135:A:GLN:CA	1:135:A:GLN:C	1:136:A:GLY:N	13	3.09
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	17	3.08
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	16	3.07
(1,182)	1:135:A:GLN:N	1:135:A:GLN:CA	1:135:A:GLN:C	1:136:A:GLY:N	1	3.07
(1,32)	1:29:A:LEU:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	8	3.07
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	12	3.07
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	1	3.06
(1,136)	1:107:A:HIS:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	6	3.03
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	16	3.0
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	6	2.98
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	6	2.98
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	17	2.95
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	11	2.92
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	12	2.9
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	5	2.89
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	19	2.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	9	2.87
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	5	2.86
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	8	2.85
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	19	2.85
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	7	2.85
(1,179)	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	1:133:A:ARG:N	16	2.84
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	1	2.8
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	14	2.8
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	8	2.79
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	10	2.75
(1,192)	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1:145:A:TRP:N	10	2.7
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	12	2.7
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	14	2.7
(1,186)	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	1:141:A:GLU:N	18	2.69
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	6	2.67
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	2	2.67
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	18	2.66
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	7	2.66
(1,186)	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	1:141:A:GLU:N	3	2.65
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	9	2.63
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	12	2.63
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	18	2.62
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	6	2.61
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	12	2.6
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	3	2.59
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	13	2.58
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	14	2.56
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	18	2.55
(1,136)	1:107:A:HIS:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	14	2.54
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	20	2.53
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	12	2.53
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	4	2.53
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	18	2.52
(1,60)	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1:53:A:LYS:N	10	2.52
(1,55)	1:47:A:LYS:N	1:47:A:LYS:CA	1:47:A:LYS:C	1:48:A:LEU:N	5	2.52
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	10	2.51
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	19	2.51
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	4	2.5
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	17	2.5
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	1	2.48
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	1	2.48
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	6	2.47
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	13	2.44
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	20	2.44
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	1	2.42
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	6	2.41
(1,1)	1:4:A:MET:N	1:4:A:MET:CA	1:4:A:MET:C	1:5:A:GLU:N	14	2.41
(1,32)	1:29:A:LEU:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	19	2.4
(1,165)	1:125:A:GLU:N	1:125:A:GLU:CA	1:125:A:GLU:C	1:126:A:PHE:N	12	2.39
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	19	2.39
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	12	2.38

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	9	2.38
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	13	2.36
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	2	2.36
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	10	2.34
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	8	2.33
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	3	2.33
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	15	2.3
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	3	2.26
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	13	2.26
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	16	2.25
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	11	2.24
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	7	2.24
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	2	2.23
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	5	2.21
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	16	2.19
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	17	2.17
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	2	2.17
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	1	2.16
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	11	2.14
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	18	2.11
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	4	2.11
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	5	2.1
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	1	2.1
(1,32)	1:29:A:LEU:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	4	2.09
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	16	2.08
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	13	2.05
(1,114)	1:88:A:GLN:C	1:89:A:ASP:N	1:89:A:ASP:CA	1:89:A:ASP:C	15	2.04
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	3	2.04
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	20	2.04
(1,99)	1:77:A:THR:C	1:78:A:GLY:N	1:78:A:GLY:CA	1:78:A:GLY:C	11	2.02
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	17	2.01
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	3	2.0
(1,186)	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	1:141:A:GLU:N	17	2.0
(1,166)	1:125:A:GLU:C	1:126:A:PHE:N	1:126:A:PHE:CA	1:126:A:PHE:C	11	2.0
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	7	1.99
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	9	1.98
(1,172)	1:128:A:ARG:C	1:129:A:GLN:N	1:129:A:GLN:CA	1:129:A:GLN:C	4	1.97
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	7	1.97
(1,175)	1:130:A:GLU:N	1:130:A:GLU:CA	1:130:A:GLU:C	1:131:A:TRP:N	11	1.94
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	2	1.94
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	19	1.93
(1,261)	1:196:A:GLU:C	1:197:A:PHE:N	1:197:A:PHE:CA	1:197:A:PHE:C	14	1.92
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	18	1.92
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	2	1.91
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	9	1.9
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	2	1.9
(1,146)	1:115:A:ASP:C	1:116:A:VAL:N	1:116:A:VAL:CA	1:116:A:VAL:C	10	1.9
(1,27)	1:25:A:THR:C	1:26:A:LYS:N	1:26:A:LYS:CA	1:26:A:LYS:C	20	1.9
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	10	1.89
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	9	1.89
(1,113)	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	1:87:A:LEU:N	16	1.89

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	5	1.88
(1,60)	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1:53:A:LYS:N	15	1.87
(1,287)	1:215:A:LYS:C	1:216:A:ASP:N	1:216:A:ASP:CA	1:216:A:ASP:C	16	1.86
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	5	1.85
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	15	1.84
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	20	1.84
(1,183)	1:138:A:HIS:C	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	16	1.83
(1,283)	1:212:A:ASP:N	1:212:A:ASP:CA	1:212:A:ASP:C	1:213:A:ARG:N	7	1.81
(1,166)	1:125:A:GLU:C	1:126:A:PHE:N	1:126:A:PHE:CA	1:126:A:PHE:C	15	1.79
(1,178)	1:131:A:TRP:C	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	20	1.77
(1,272)	1:203:A:GLY:C	1:204:A:PHE:N	1:204:A:PHE:CA	1:204:A:PHE:C	10	1.76
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	13	1.76
(1,43)	1:37:A:GLY:C	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	13	1.75
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	19	1.75
(1,261)	1:196:A:GLU:C	1:197:A:PHE:N	1:197:A:PHE:CA	1:197:A:PHE:C	9	1.74
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	2	1.74
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	5	1.7
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	11	1.69
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	12	1.69
(1,217)	1:162:A:ILE:C	1:163:A:LYS:N	1:163:A:LYS:CA	1:163:A:LYS:C	15	1.68
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	14	1.68
(1,178)	1:131:A:TRP:C	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	16	1.67
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	12	1.67
(1,60)	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1:53:A:LYS:N	3	1.66
(1,51)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:GLN:N	8	1.66
(1,272)	1:203:A:GLY:C	1:204:A:PHE:N	1:204:A:PHE:CA	1:204:A:PHE:C	1	1.65
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	16	1.65
(1,126)	1:99:A:ILE:C	1:100:A:GLN:N	1:100:A:GLN:CA	1:100:A:GLN:C	5	1.64
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	2	1.62
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	20	1.62
(1,98)	1:77:A:THR:N	1:77:A:THR:CA	1:77:A:THR:C	1:78:A:GLY:N	18	1.61
(1,171)	1:128:A:ARG:N	1:128:A:ARG:CA	1:128:A:ARG:C	1:129:A:GLN:N	4	1.6
(1,146)	1:115:A:ASP:C	1:116:A:VAL:N	1:116:A:VAL:CA	1:116:A:VAL:C	11	1.6
(1,191)	1:143:A:LEU:C	1:144:A:SER:N	1:144:A:SER:CA	1:144:A:SER:C	1	1.59
(1,74)	1:59:A:ASN:N	1:59:A:ASN:CA	1:59:A:ASN:C	1:60:A:GLU:N	16	1.59
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	6	1.58
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	7	1.57
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	4	1.57
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	7	1.56
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	11	1.56
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	20	1.54
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	6	1.52
(1,146)	1:115:A:ASP:C	1:116:A:VAL:N	1:116:A:VAL:CA	1:116:A:VAL:C	3	1.51
(1,136)	1:107:A:HIS:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	12	1.51
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	17	1.5
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	16	1.5
(1,272)	1:203:A:GLY:C	1:204:A:PHE:N	1:204:A:PHE:CA	1:204:A:PHE:C	19	1.49
(1,184)	1:139:A:PHE:N	1:139:A:PHE:CA	1:139:A:PHE:C	1:140:A:ALA:N	1	1.48
(1,51)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:GLN:N	6	1.48
(1,33)	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	1:31:A:VAL:N	7	1.48
(1,78)	1:61:A:LYS:N	1:61:A:LYS:CA	1:61:A:LYS:C	1:62:A:GLU:N	12	1.47

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	12	1.45
(1,166)	1:125:A:GLU:C	1:126:A:PHE:N	1:126:A:PHE:CA	1:126:A:PHE:C	3	1.45
(1,32)	1:29:A:LEU:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	12	1.45
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	19	1.44
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	16	1.43
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	11	1.42
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	10	1.41
(1,272)	1:203:A:GLY:C	1:204:A:PHE:N	1:204:A:PHE:CA	1:204:A:PHE:C	8	1.4
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	15	1.4
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	1	1.39
(1,178)	1:131:A:TRP:C	1:132:A:ILE:N	1:132:A:ILE:CA	1:132:A:ILE:C	10	1.38
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	4	1.37
(1,136)	1:107:A:HIS:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	15	1.36
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	8	1.35
(1,32)	1:29:A:LEU:C	1:30:A:ALA:N	1:30:A:ALA:CA	1:30:A:ALA:C	18	1.34
(1,261)	1:196:A:GLU:C	1:197:A:PHE:N	1:197:A:PHE:CA	1:197:A:PHE:C	16	1.32
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	12	1.32
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	10	1.32
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	19	1.31
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	20	1.3
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	8	1.3
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	3	1.29
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	3	1.29
(1,60)	1:52:A:ALA:N	1:52:A:ALA:CA	1:52:A:ALA:C	1:53:A:LYS:N	11	1.29
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	13	1.29
(1,261)	1:196:A:GLU:C	1:197:A:PHE:N	1:197:A:PHE:CA	1:197:A:PHE:C	19	1.26
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	16	1.25
(1,136)	1:107:A:HIS:C	1:108:A:SER:N	1:108:A:SER:CA	1:108:A:SER:C	1	1.24
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	15	1.23
(1,140)	1:110:A:LEU:N	1:110:A:LEU:CA	1:110:A:LEU:C	1:111:A:VAL:N	20	1.22
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	1	1.22
(1,197)	1:146:A:GLU:C	1:147:A:VAL:N	1:147:A:VAL:CA	1:147:A:VAL:C	17	1.21
(1,57)	1:50:A:SER:N	1:50:A:SER:CA	1:50:A:SER:C	1:51:A:ASN:N	11	1.2
(1,229)	1:171:A:TYR:C	1:172:A:LYS:N	1:172:A:LYS:CA	1:172:A:LYS:C	7	1.19
(1,197)	1:146:A:GLU:C	1:147:A:VAL:N	1:147:A:VAL:CA	1:147:A:VAL:C	3	1.17
(1,25)	1:23:A:VAL:N	1:23:A:VAL:CA	1:23:A:VAL:C	1:24:A:PRO:N	14	1.17
(1,24)	1:22:A:THR:N	1:22:A:THR:CA	1:22:A:THR:C	1:23:A:VAL:N	9	1.17
(1,197)	1:146:A:GLU:C	1:147:A:VAL:N	1:147:A:VAL:CA	1:147:A:VAL:C	15	1.14
(1,146)	1:115:A:ASP:C	1:116:A:VAL:N	1:116:A:VAL:CA	1:116:A:VAL:C	2	1.14
(1,166)	1:125:A:GLU:C	1:126:A:PHE:N	1:126:A:PHE:CA	1:126:A:PHE:C	14	1.13
(1,283)	1:212:A:ASP:N	1:212:A:ASP:CA	1:212:A:ASP:C	1:213:A:ARG:N	11	1.12
(1,195)	1:145:A:TRP:C	1:146:A:GLU:N	1:146:A:GLU:CA	1:146:A:GLU:C	15	1.12
(1,113)	1:86:A:LYS:N	1:86:A:LYS:CA	1:86:A:LYS:C	1:87:A:LEU:N	14	1.12
(1,180)	1:133:A:ARG:N	1:133:A:ARG:CA	1:133:A:ARG:C	1:134:A:LYS:N	16	1.11
(1,140)	1:110:A:LEU:N	1:110:A:LEU:CA	1:110:A:LEU:C	1:111:A:VAL:N	3	1.1
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	18	1.09
(1,218)	1:163:A:LYS:C	1:164:A:LYS:N	1:164:A:LYS:CA	1:164:A:LYS:C	5	1.08
(1,185)	1:139:A:PHE:C	1:140:A:ALA:N	1:140:A:ALA:CA	1:140:A:ALA:C	15	1.08
(1,248)	1:186:A:LYS:N	1:186:A:LYS:CA	1:186:A:LYS:C	1:187:A:ASP:N	14	1.07
(1,166)	1:125:A:GLU:C	1:126:A:PHE:N	1:126:A:PHE:CA	1:126:A:PHE:C	1	1.07
(1,51)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:GLN:N	20	1.06

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,43)	1:37:A:GLY:C	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	20	1.06
(1,51)	1:43:A:MET:N	1:43:A:MET:CA	1:43:A:MET:C	1:44:A:GLN:N	12	1.05
(1,146)	1:115:A:ASP:C	1:116:A:VAL:N	1:116:A:VAL:CA	1:116:A:VAL:C	9	1.04
(1,266)	1:199:A:LYS:C	1:200:A:LYS:N	1:200:A:LYS:CA	1:200:A:LYS:C	17	1.03
(1,129)	1:102:A:GLY:C	1:103:A:LYS:N	1:103:A:LYS:CA	1:103:A:LYS:C	10	1.01
(1,43)	1:37:A:GLY:C	1:38:A:GLN:N	1:38:A:GLN:CA	1:38:A:GLN:C	7	1.01
(1,283)	1:212:A:ASP:N	1:212:A:ASP:CA	1:212:A:ASP:C	1:213:A:ARG:N	9	1.0