Full wwPDB NMR Structure Validation Report

Mar 5, 2026 – 08:47 PM UTC

PDB ID	:	2MHK / pdb_00002mhk
BMRB ID	:	18853
Title	:	E. coli LpoA N-terminal domain
Authors	:	Jean, N.L.; Bougault, C.; Lodge, A.; Derouaux, A.; Callens, G.; Egan, A.; Lewis, R.J.; Vollmer, W.; Simorre, J.
Deposited on	:	2013-11-26

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

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

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

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

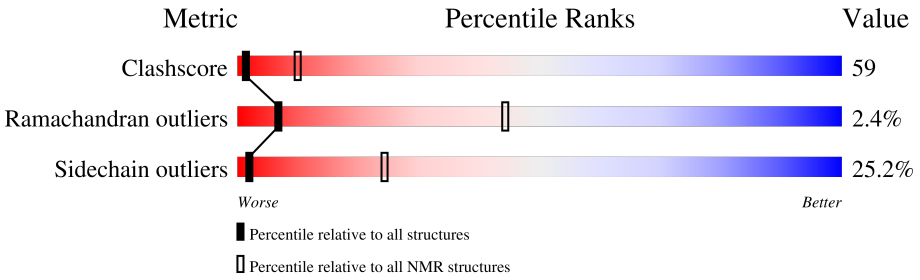
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 90%.

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	250	24% 47% 15% • 14%

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 10 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	**Residue range (total)**	**Backbone RMSD (Å)**	**Medoid model**
1	A:28-A:188, A:192-A:246 (216)	0.27	10

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 2 clusters and 3 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 3916 atoms, of which 1945 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Penicillin-binding protein activator LpoA.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	250	3916	1224	1945	362	377	8	0

There are 21 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	1	MET	-	expression tag	UNP P45464
A	2	GLY	-	expression tag	UNP P45464
A	3	SER	-	expression tag	UNP P45464
A	4	SER	-	expression tag	UNP P45464
A	5	HIS	-	expression tag	UNP P45464
A	6	HIS	-	expression tag	UNP P45464
A	7	HIS	-	expression tag	UNP P45464
A	8	HIS	-	expression tag	UNP P45464
A	9	HIS	-	expression tag	UNP P45464
A	10	HIS	-	expression tag	UNP P45464
A	11	SER	-	expression tag	UNP P45464
A	12	SER	-	expression tag	UNP P45464
A	13	GLY	-	expression tag	UNP P45464
A	14	LEU	-	expression tag	UNP P45464
A	15	VAL	-	expression tag	UNP P45464
A	16	PRO	-	expression tag	UNP P45464
A	17	ARG	-	expression tag	UNP P45464
A	18	GLY	-	expression tag	UNP P45464
A	19	SER	-	expression tag	UNP P45464
A	20	HIS	-	expression tag	UNP P45464
A	21	MET	-	expression tag	UNP P45464

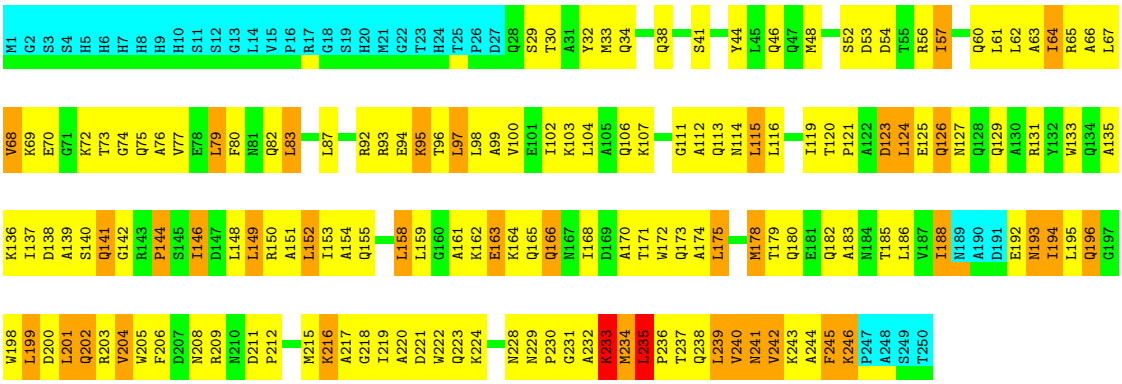
4 Residue-property plots (i)

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A: 24% 47% 15% 14%



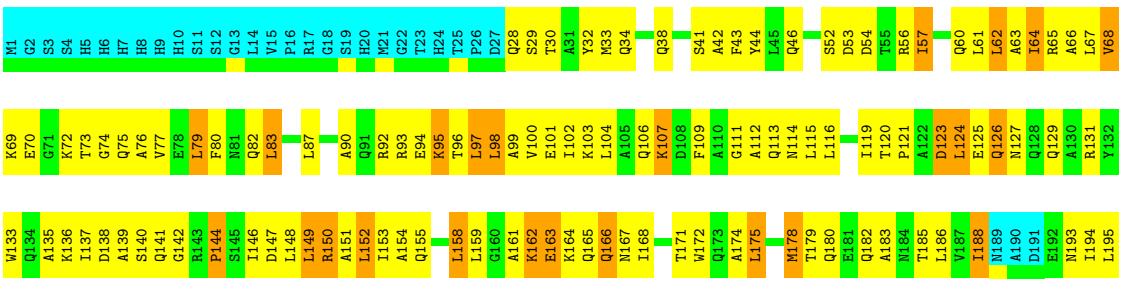
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Penicillin-binding protein activator LpoA

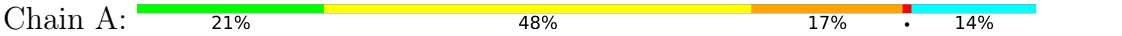
Chain A: 22% 49% 15% 14%

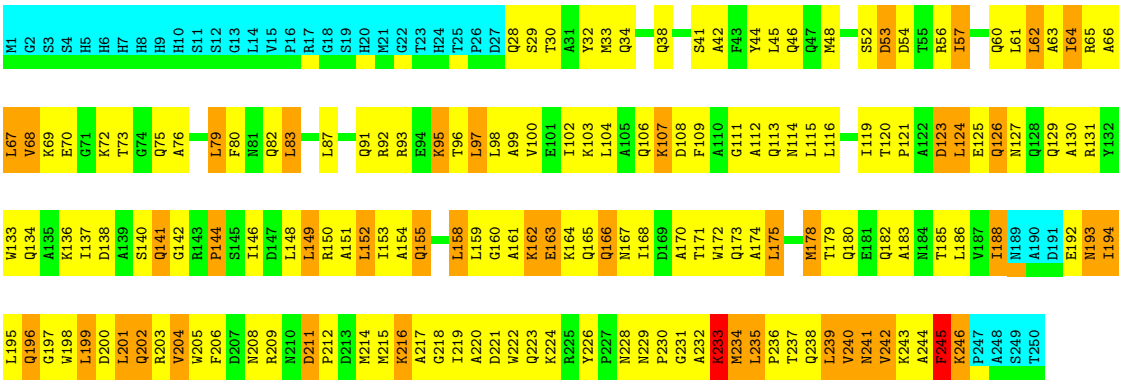


4.2.2 Score per residue for model 2

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

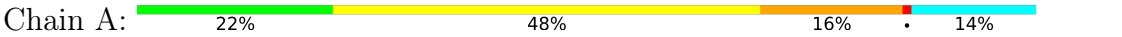


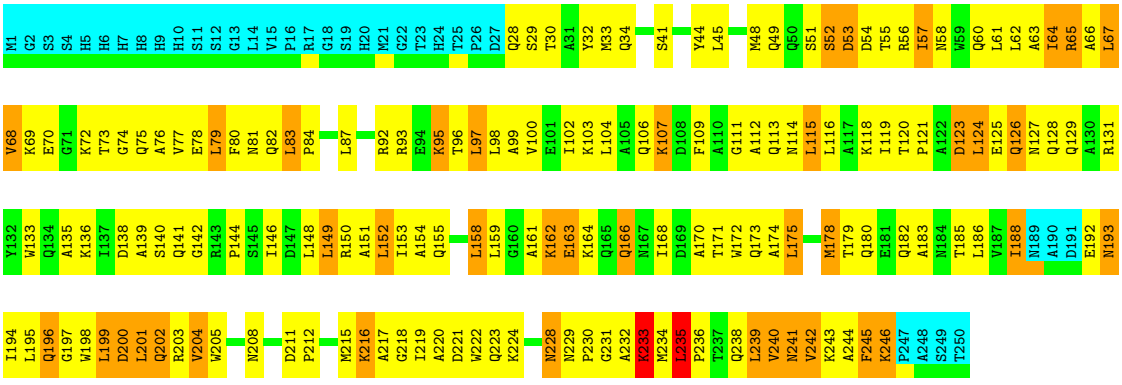


4.2.3 Score per residue for model 3

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

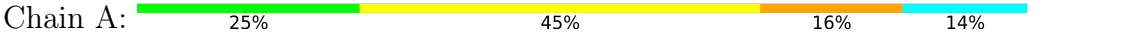


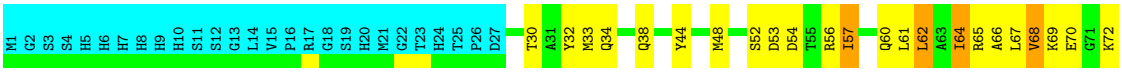


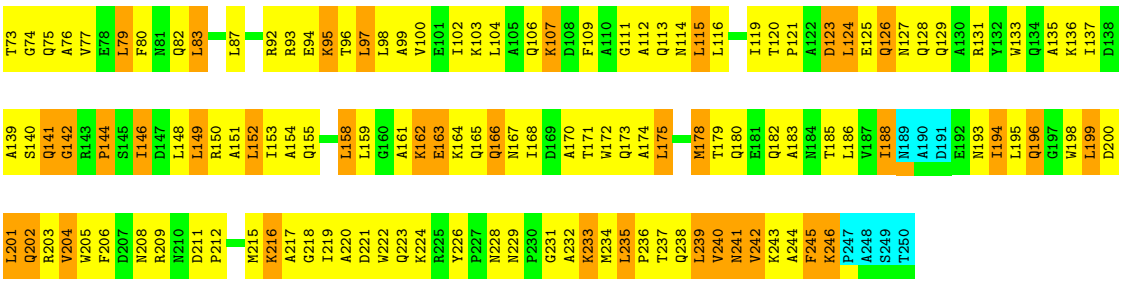
4.2.4 Score per residue for model 4

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:



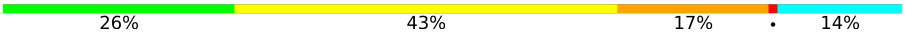


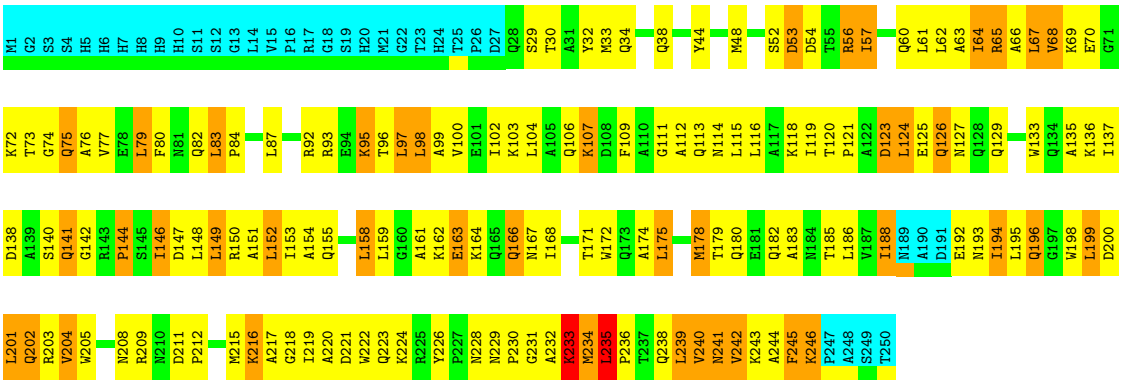


4.2.5 Score per residue for model 5

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

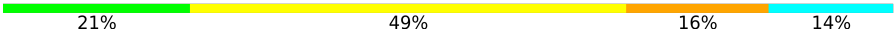


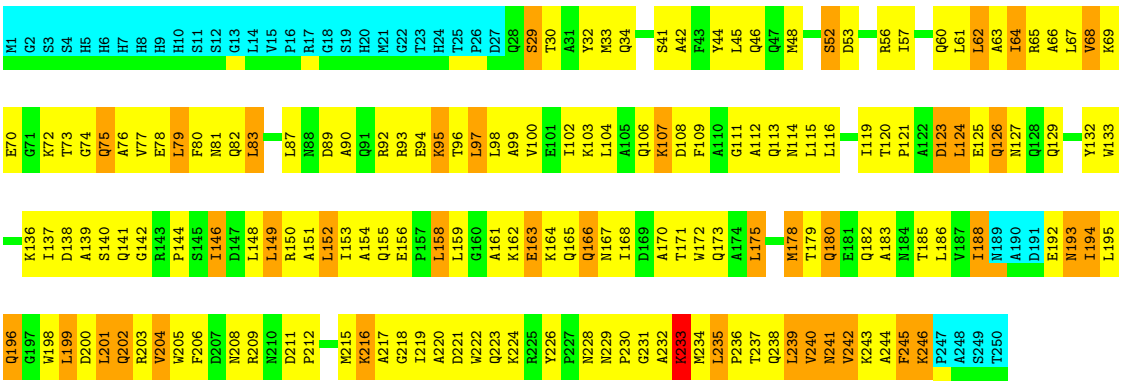


4.2.6 Score per residue for model 6

• Molecule 1: Penicillin-binding protein activator LpoA

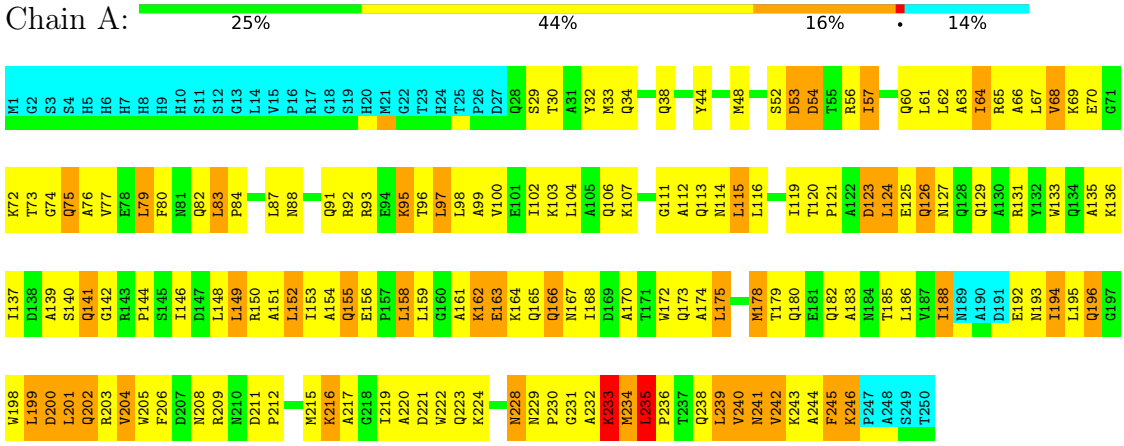
Chain A:





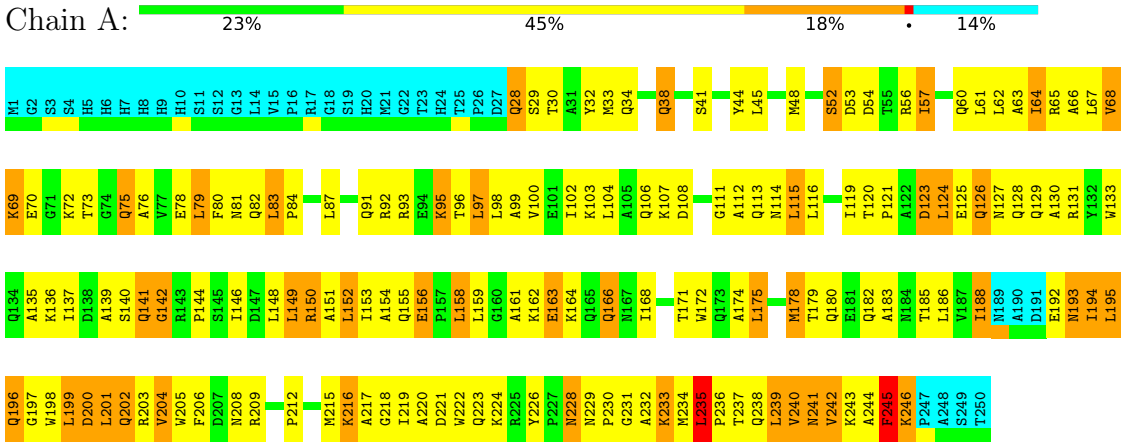
4.2.7 Score per residue for model 7

• Molecule 1: Penicillin-binding protein activator LpoA



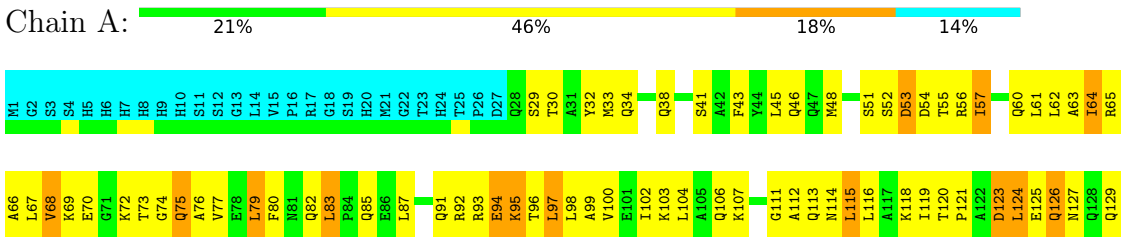
4.2.8 Score per residue for model 8

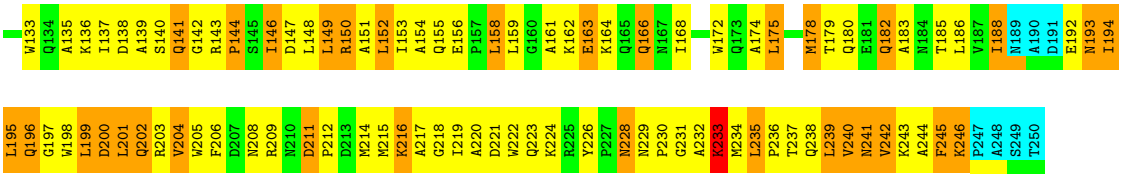
• Molecule 1: Penicillin-binding protein activator LpoA



4.2.9 Score per residue for model 9

• Molecule 1: Penicillin-binding protein activator LpoA

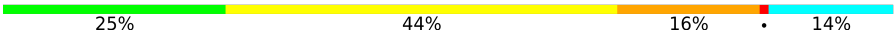


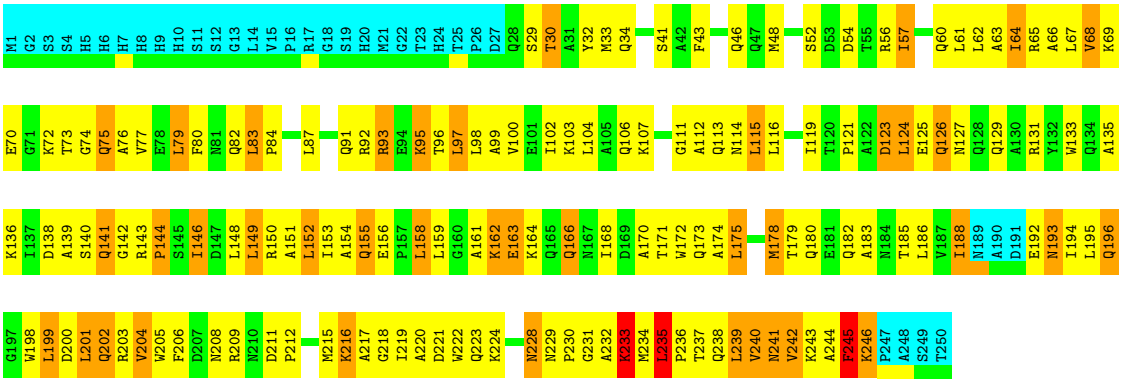


4.2.10 Score per residue for model 10 (medoid)

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

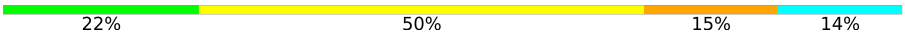


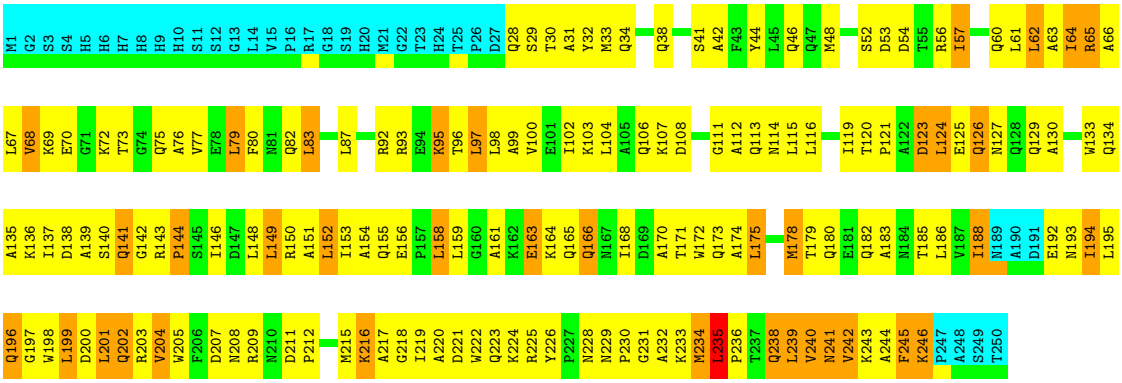


4.2.11 Score per residue for model 11

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

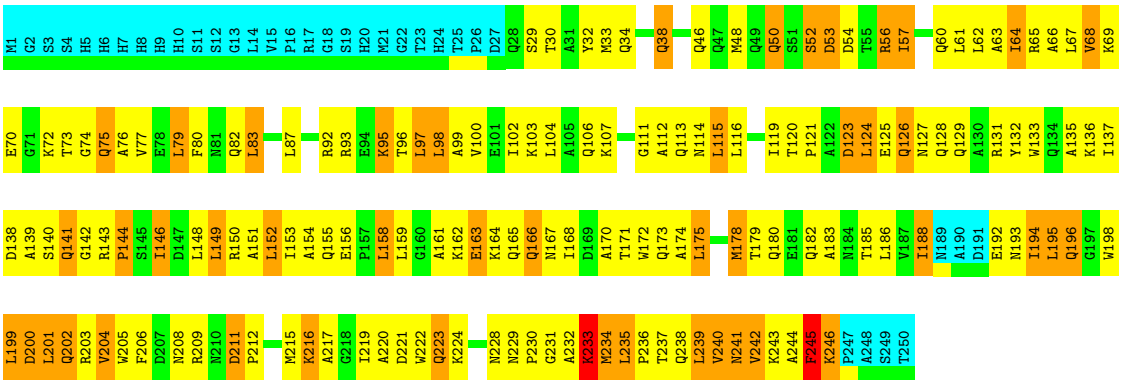




4.2.12 Score per residue for model 12

• Molecule 1: Penicillin-binding protein activator LpoA

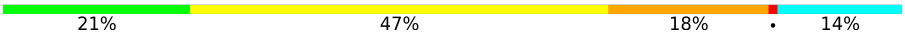
Chain A:

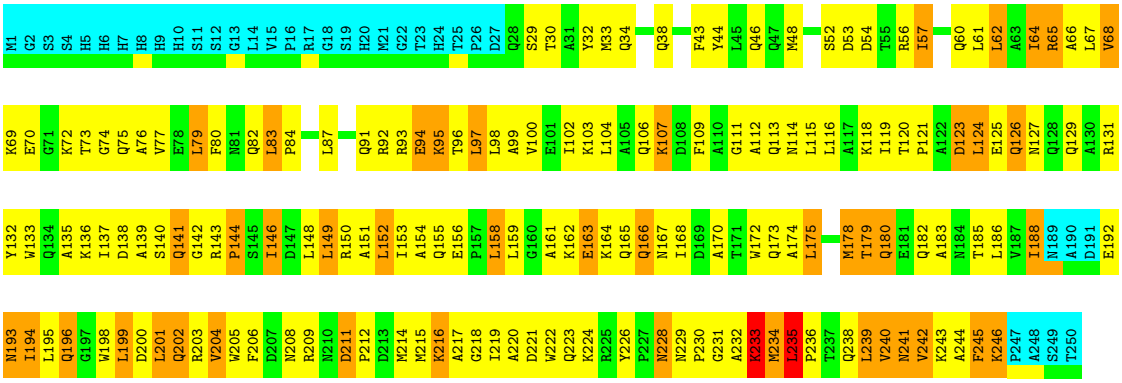


4.2.13 Score per residue for model 13

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

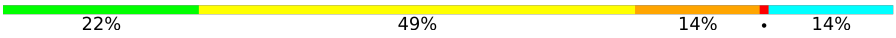


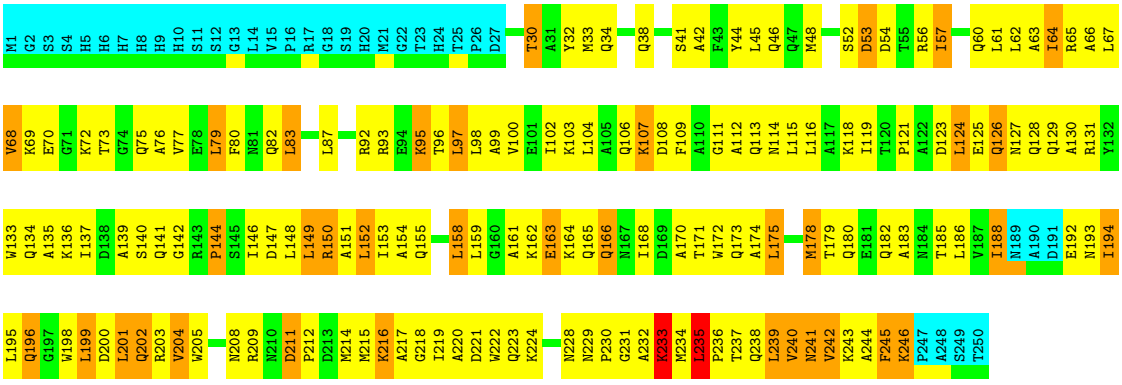


4.2.14 Score per residue for model 14

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

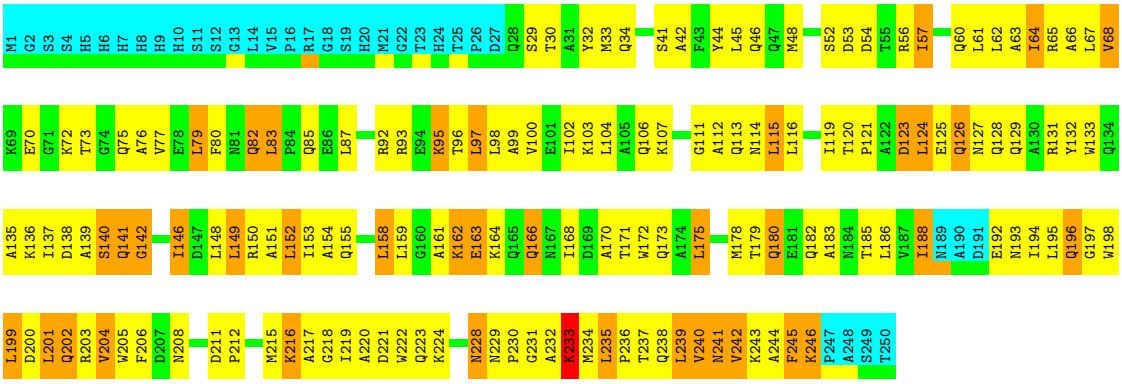




4.2.15 Score per residue for model 15

• Molecule 1: Penicillin-binding protein activator LpoA

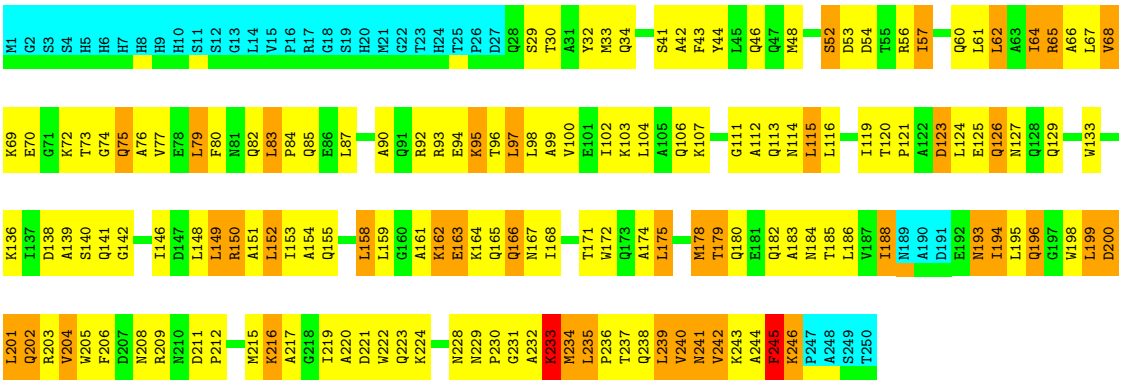
Chain A: 25% 46% 16% 14%



4.2.16 Score per residue for model 16

• Molecule 1: Penicillin-binding protein activator LpoA

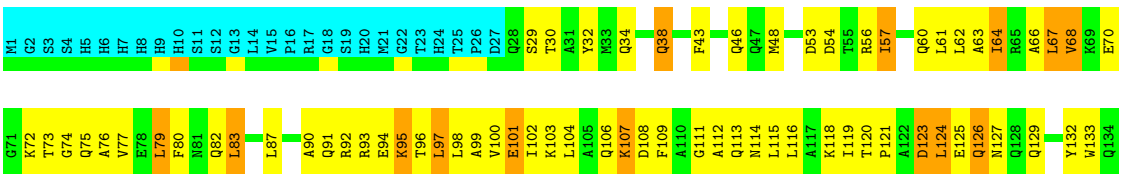
Chain A: 25% 44% 16% • 14%



4.2.17 Score per residue for model 17

• Molecule 1: Penicillin-binding protein activator LpoA

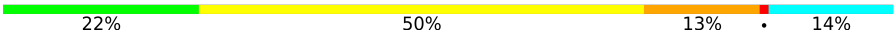
Chain A: 25% 44% 17% 14%

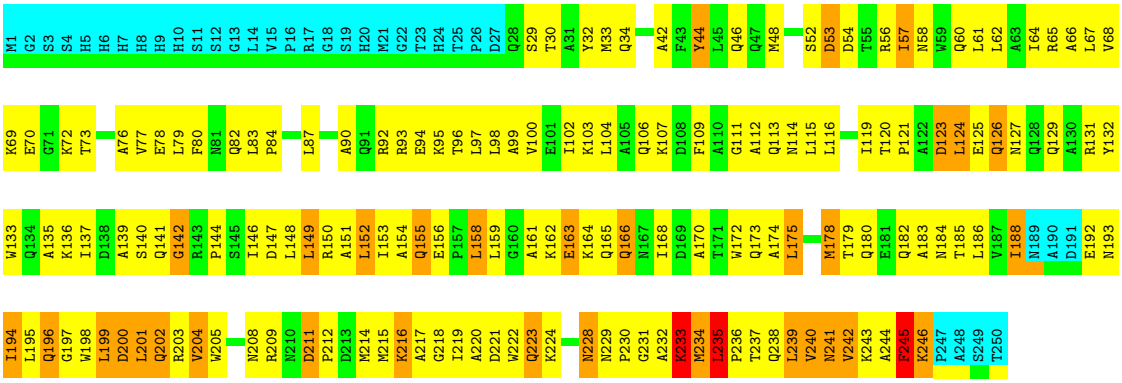


4.2.18 Score per residue for model 18

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

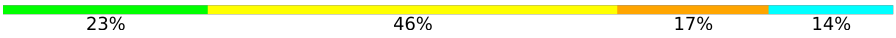


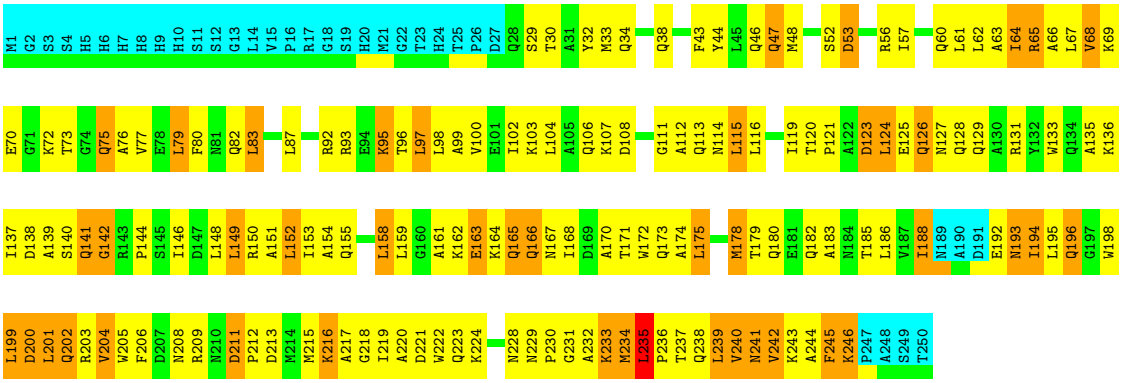


4.2.19 Score per residue for model 19

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:

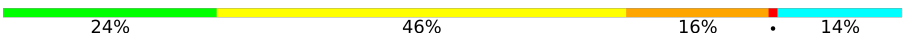


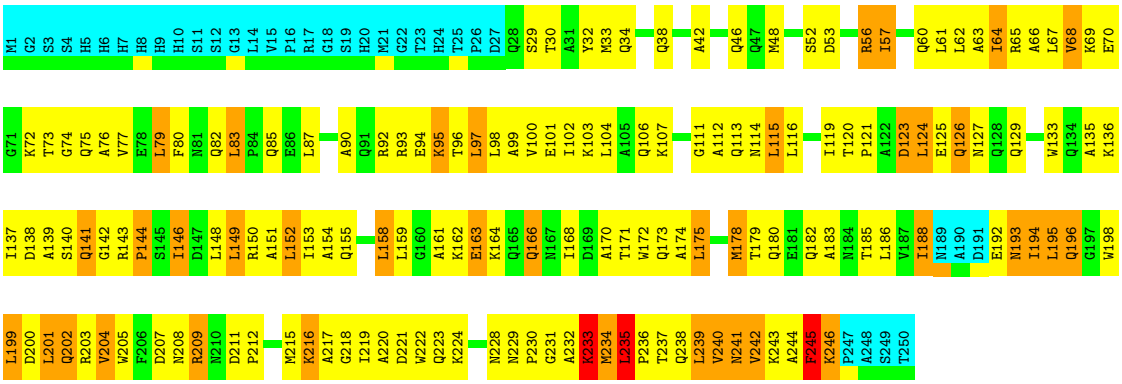


4.2.20 Score per residue for model 20

• Molecule 1: Penicillin-binding protein activator LpoA

Chain A:




M1 G2 S3 S4 H5 H6 H7 H8 H9 H10 S11 S12 G13 L14 V15 P16 R17 G18 S19 H20 M21 G22 T23 H24 T25 P26 D27 Q28 S29 T30 A31 Y32 M33 Q34 Q38 A42 Q46 Q47 M48 S52 D53 R56 I57 Q60 L61 L62 A63 I64 R65 A66 L67 V68 K69 E70
G71 K72 T73 G74 Q75 A76 V77 E78 L79 F80 N81 Q82 L83 P84 Q85 E86 L87 A90 Q91 R92 R93 E94 K95 T96 L97 L98 A99 V100 E101 I102 K103 L104 A105 Q106 K107 G111 A112 Q113 N114 L115 L116 I119 T120 P121 A122 D123 L124 E125 Q126 N127 Q128 Q129 W133 Q134 A135 K136
I137 D138 A139 S140 Q141 G142 R143 P144 S145 I146 D147 L148 L149 R150 A151 L152 I153 A154 Q155 L158 L159 G160 A161 K162 E163 K164 Q165 Q166 N167 I168 D169 A170 T171 W172 Q173 A174 L175 M178 T179 Q180 E181 Q182 A183 N184 T185 L186 V187 I188 N189 A190 D191 E192 N193 I194 L195 Q196 G197 W198
L199 D200 L201 Q202 R203 W204 W205 F206 D207 N208 R209 N210 D211 P212 M215 K216 A217 G218 I219 A220 D221 W222 Q223 K224 N228 N229 P230 G231 A232 K233 M234 L235 P236 T237 Q238 L239 V240 N241 V242 K243 A244 F245 K246 P247 A248 S249 T250

5 Refinement protocol and experimental data overview

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

Of the 700 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy.*

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

Software name	Classification	Version
CNS	structure solution	1.2
CNS	refinement	1.2

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	2922
Number of shifts mapped to atoms	2922
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	90%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.84±0.01	0±0/1749 (0.0± 0.0%)	1.18±0.01	6±1/2370 (0.3± 0.0%)
All	All	0.84	1/34980 (0.0%)	1.18	120/47400 (0.3%)

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

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

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	44	TYR	CE1-CZ	5.01	1.50	1.38	18	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	142	GLY	N-CA-C	-6.33	106.03	114.95	19	6
1	A	211	ASP	CA-C-N	6.21	125.70	119.24	3	19
1	A	211	ASP	C-N-CA	6.21	125.70	119.24	3	19
1	A	161	ALA	N-CA-C	-6.06	105.89	113.28	13	20
1	A	233	LYS	N-CA-C	-5.67	106.90	113.88	12	16
1	A	235	LEU	CA-C-N	5.63	126.88	119.84	17	20
1	A	235	LEU	C-N-CA	5.63	126.88	119.84	17	20

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	245	PHE	Sidechain	1

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1720	1720	1720	203±7
All	All	34400	34400	34400	4066

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 59.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:61:LEU:HA	1:A:98:LEU:HD21	0.98	1.29	16	20
1:A:32:TYR:HB2	1:A:62:LEU:HD21	0.96	1.36	8	20
1:A:172:TRP:CD1	1:A:238:GLN:HB2	0.90	2.02	11	20
1:A:231:GLY:O	1:A:235:LEU:HG	0.84	1.71	13	20
1:A:164:LYS:O	1:A:168:ILE:HG12	0.82	1.74	13	20
1:A:175:LEU:HD21	1:A:198:TRP:HB3	0.82	1.52	6	20
1:A:116:LEU:HD22	1:A:136:LYS:HG2	0.81	1.51	4	20
1:A:219:ILE:HG23	1:A:235:LEU:HD22	0.80	1.53	11	20
1:A:62:LEU:O	1:A:65:ARG:HG3	0.77	1.79	13	7
1:A:146:ILE:HG12	1:A:150:ARG:CG	0.77	2.10	3	1
1:A:83:LEU:HD13	1:A:95:LYS:HG2	0.76	1.55	6	1
1:A:172:TRP:NE1	1:A:238:GLN:HB2	0.76	1.95	15	20
1:A:199:LEU:O	1:A:203:ARG:HG2	0.76	1.81	5	20
1:A:44:TYR:CD2	1:A:62:LEU:HB3	0.75	2.16	11	5
1:A:65:ARG:HG3	1:A:66:ALA:N	0.75	1.96	5	2
1:A:241:ASN:HA	1:A:244:ALA:HB3	0.75	1.57	9	20
1:A:212:PRO:HG3	1:A:245:PHE:CE1	0.73	2.18	12	20
1:A:146:ILE:HA	1:A:149:LEU:HD21	0.72	1.60	18	20
1:A:201:LEU:HG	1:A:222:TRP:CD2	0.72	2.19	15	20
1:A:178:MET:HE2	1:A:182:GLN:OE1	0.72	1.84	16	2
1:A:68:VAL:HG11	1:A:102:ILE:HA	0.72	1.61	3	20
1:A:65:ARG:O	1:A:69:LYS:HG2	0.72	1.85	1	18
1:A:113:GLN:HA	1:A:116:LEU:HD12	0.71	1.62	18	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:159:LEU:HD13	1:A:163:GLU:HB2	0.71	1.61	10	20
1:A:230:PRO:O	1:A:233:LYS:HD2	0.71	1.85	13	1
1:A:208:ASN:O	1:A:215:MET:HB2	0.71	1.86	7	20
1:A:242:VAL:HG13	1:A:243:LYS:HD2	0.70	1.62	2	20
1:A:194:ILE:HA	1:A:229:ASN:OD1	0.70	1.85	5	8
1:A:133:TRP:CE2	1:A:154:ALA:HB1	0.70	2.21	18	20
1:A:30:THR:O	1:A:34:GLN:HG3	0.69	1.88	7	20
1:A:230:PRO:O	1:A:233:LYS:HG2	0.68	1.88	5	3
1:A:175:LEU:CG	1:A:202:GLN:HG2	0.68	2.18	9	20
1:A:239:LEU:HD23	1:A:240:VAL:N	0.68	2.04	12	20
1:A:44:TYR:CG	1:A:62:LEU:HB3	0.68	2.24	11	7
1:A:64:ILE:HD12	1:A:83:LEU:HD21	0.68	1.66	11	20
1:A:153:ILE:HD11	1:A:198:TRP:CD1	0.67	2.24	14	20
1:A:230:PRO:O	1:A:233:LYS:HG3	0.67	1.90	16	13
1:A:146:ILE:O	1:A:149:LEU:HG	0.67	1.90	7	20
1:A:56:ARG:O	1:A:60:GLN:HG3	0.66	1.91	19	20
1:A:66:ALA:O	1:A:70:GLU:HG2	0.65	1.91	6	20
1:A:67:LEU:HD22	1:A:72:LYS:HB2	0.65	1.69	6	20
1:A:175:LEU:HG	1:A:202:GLN:HG2	0.65	1.68	4	20
1:A:209:ARG:NE	1:A:241:ASN:HB3	0.64	2.07	8	2
1:A:201:LEU:HG	1:A:222:TRP:CG	0.64	2.27	12	20
1:A:44:TYR:CE2	1:A:62:LEU:HG	0.64	2.27	19	8
1:A:126:GLN:O	1:A:129:GLN:HB2	0.63	1.93	11	20
1:A:103:LYS:HD2	1:A:111:GLY:C	0.63	2.17	3	20
1:A:112:ALA:HA	1:A:115:LEU:HD12	0.63	1.70	5	20
1:A:239:LEU:O	1:A:242:VAL:HG12	0.63	1.94	2	20
1:A:149:LEU:HD23	1:A:149:LEU:H	0.62	1.53	14	16
1:A:198:TRP:NE1	1:A:229:ASN:HD21	0.62	1.91	17	1
1:A:153:ILE:O	1:A:156:GLU:HB3	0.62	1.93	8	3
1:A:212:PRO:CG	1:A:245:PHE:CE1	0.61	2.83	12	16
1:A:48:MET:O	1:A:56:ARG:HG3	0.61	1.96	7	5
1:A:220:ALA:O	1:A:224:LYS:HG2	0.61	1.95	6	20
1:A:83:LEU:HD13	1:A:95:LYS:HE3	0.61	1.70	7	19
1:A:201:LEU:O	1:A:204:VAL:HG13	0.61	1.95	11	20
1:A:65:ARG:HD3	1:A:66:ALA:N	0.61	2.11	10	5
1:A:162:LYS:HG3	1:A:163:GLU:N	0.61	2.10	1	10
1:A:60:GLN:O	1:A:64:ILE:HG13	0.61	1.96	16	18
1:A:216:LYS:HA	1:A:219:ILE:HD12	0.60	1.73	17	20
1:A:196:GLN:O	1:A:199:LEU:HG	0.60	1.96	18	18
1:A:151:ALA:O	1:A:154:ALA:HB3	0.60	1.96	15	20
1:A:80:PHE:CD1	1:A:83:LEU:HD11	0.60	2.32	16	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:93:ARG:HB3	1:A:119:ILE:HG23	0.60	1.72	17	20
1:A:72:LYS:HD2	1:A:72:LYS:N	0.59	2.12	6	17
1:A:116:LEU:CD2	1:A:136:LYS:HG2	0.59	2.27	4	20
1:A:149:LEU:H	1:A:149:LEU:HD23	0.59	1.57	1	4
1:A:200:ASP:O	1:A:203:ARG:HB2	0.59	1.97	18	20
1:A:140:SER:C	1:A:142:GLY:H	0.59	2.05	18	20
1:A:100:VAL:O	1:A:104:LEU:HG	0.59	1.98	17	20
1:A:125:GLU:HG2	1:A:127:ASN:H	0.59	1.57	20	19
1:A:73:THR:HG21	1:A:106:GLN:HG2	0.59	1.74	13	20
1:A:150:ARG:O	1:A:154:ALA:HB2	0.59	1.97	20	20
1:A:239:LEU:CD2	1:A:240:VAL:N	0.59	2.66	12	20
1:A:97:LEU:HG	1:A:131:ARG:CZ	0.58	2.28	15	2
1:A:163:GLU:O	1:A:166:GLN:HB3	0.58	1.98	1	20
1:A:217:ALA:O	1:A:221:ASP:HB2	0.58	1.99	17	20
1:A:32:TYR:CB	1:A:62:LEU:HD21	0.58	2.26	14	12
1:A:226:TYR:O	1:A:229:ASN:HB2	0.58	1.99	13	7
1:A:113:GLN:HG2	1:A:139:ALA:HB1	0.58	1.76	8	18
1:A:72:LYS:N	1:A:72:LYS:HD2	0.57	2.14	5	3
1:A:155:GLN:O	1:A:159:LEU:HG	0.57	1.99	3	19
1:A:212:PRO:O	1:A:216:LYS:HG3	0.57	1.99	12	20
1:A:155:GLN:HA	1:A:158:LEU:HD22	0.57	1.76	17	17
1:A:140:SER:HB3	1:A:148:LEU:HD13	0.57	1.76	15	20
1:A:182:GLN:O	1:A:185:THR:HG22	0.57	2.00	13	20
1:A:183:ALA:HB2	1:A:202:GLN:HE22	0.57	1.58	20	20
1:A:102:ILE:O	1:A:106:GLN:HG3	0.57	1.99	14	11
1:A:230:PRO:HA	1:A:233:LYS:CD	0.57	2.30	13	1
1:A:93:ARG:HH11	1:A:93:ARG:CG	0.57	2.12	10	1
1:A:64:ILE:CD1	1:A:83:LEU:HD21	0.57	2.29	7	20
1:A:242:VAL:O	1:A:245:PHE:HB3	0.56	2.00	18	20
1:A:80:PHE:CZ	1:A:99:ALA:HB2	0.56	2.36	14	20
1:A:193:ASN:H	1:A:193:ASN:ND2	0.56	1.97	19	3
1:A:42:ALA:O	1:A:46:GLN:HB3	0.56	2.01	11	9
1:A:146:ILE:HG12	1:A:150:ARG:HD3	0.56	1.76	14	5
1:A:87:LEU:HD21	1:A:95:LYS:HG2	0.56	1.78	4	18
1:A:174:ALA:O	1:A:178:MET:HB3	0.56	2.00	9	17
1:A:33:MET:HB3	1:A:128:GLN:NE2	0.56	2.15	3	2
1:A:68:VAL:HG13	1:A:76:ALA:CB	0.56	2.30	8	20
1:A:199:LEU:HA	1:A:202:GLN:CG	0.56	2.30	5	20
1:A:52:SER:O	1:A:56:ARG:HG2	0.55	2.02	15	12
1:A:193:ASN:C	1:A:196:GLN:HE22	0.55	2.10	19	20
1:A:198:TRP:CD1	1:A:229:ASN:HD21	0.55	2.19	18	11

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:97:LEU:HG	1:A:131:ARG:NH2	0.55	2.16	4	1
1:A:79:LEU:HA	1:A:82:GLN:CG	0.55	2.31	2	20
1:A:72:LYS:H	1:A:72:LYS:HD2	0.55	1.61	3	4
1:A:72:LYS:HD2	1:A:72:LYS:H	0.55	1.61	11	15
1:A:164:LYS:C	1:A:168:ILE:HG12	0.55	2.27	15	20
1:A:93:ARG:HE	1:A:120:THR:HB	0.55	1.61	11	1
1:A:172:TRP:CE2	1:A:239:LEU:HD13	0.55	2.37	3	20
1:A:133:TRP:CE3	1:A:151:ALA:HA	0.55	2.37	17	20
1:A:231:GLY:HA2	1:A:234:MET:O	0.55	2.02	5	20
1:A:199:LEU:O	1:A:202:GLN:HG3	0.54	2.02	3	20
1:A:199:LEU:HA	1:A:202:GLN:HG3	0.54	1.79	5	20
1:A:146:ILE:HG12	1:A:150:ARG:CD	0.54	2.32	1	9
1:A:62:LEU:O	1:A:65:ARG:HB3	0.54	2.03	7	4
1:A:90:ALA:O	1:A:94:GLU:HG2	0.54	2.02	6	2
1:A:103:LYS:HG3	1:A:115:LEU:HD11	0.54	1.80	3	20
1:A:188:ILE:HB	1:A:192:GLU:OE1	0.54	2.01	20	6
1:A:43:PHE:O	1:A:46:GLN:HG2	0.54	2.02	10	7
1:A:116:LEU:HD13	1:A:136:LYS:HG2	0.54	1.78	6	20
1:A:172:TRP:HE3	1:A:175:LEU:HD23	0.54	1.63	10	19
1:A:126:GLN:HG3	1:A:158:LEU:HD11	0.54	1.78	17	16
1:A:29:SER:O	1:A:62:LEU:HD22	0.54	2.02	7	11
1:A:245:PHE:CG	1:A:246:LYS:N	0.54	2.76	1	19
1:A:60:GLN:HA	1:A:63:ALA:HB3	0.54	1.80	14	15
1:A:95:LYS:HD3	1:A:96:THR:N	0.54	2.18	18	20
1:A:128:GLN:OE1	1:A:131:ARG:HD3	0.54	2.02	15	1
1:A:124:LEU:HD11	1:A:129:GLN:HG2	0.53	1.79	15	20
1:A:230:PRO:HA	1:A:233:LYS:CE	0.53	2.33	8	3
1:A:182:GLN:OE1	1:A:186:LEU:HD21	0.53	2.03	16	2
1:A:111:GLY:O	1:A:115:LEU:HG	0.53	2.04	17	20
1:A:240:VAL:O	1:A:243:LYS:HB2	0.53	2.04	3	19
1:A:223:GLN:HB2	1:A:232:ALA:HA	0.53	1.81	19	20
1:A:103:LYS:HG3	1:A:115:LEU:CD1	0.53	2.33	16	20
1:A:48:MET:HG3	1:A:60:GLN:CG	0.53	2.34	16	17
1:A:146:ILE:C	1:A:150:ARG:HG3	0.53	2.29	3	1
1:A:202:GLN:HA	1:A:205:TRP:HB3	0.52	1.81	13	20
1:A:64:ILE:O	1:A:68:VAL:HG22	0.52	2.04	6	18
1:A:111:GLY:O	1:A:114:ASN:HB3	0.52	2.04	14	20
1:A:153:ILE:HD13	1:A:195:LEU:HD12	0.52	1.82	5	10
1:A:97:LEU:HD12	1:A:97:LEU:O	0.52	2.04	5	20
1:A:100:VAL:HG22	1:A:115:LEU:HB2	0.52	1.80	9	20
1:A:236:PRO:O	1:A:240:VAL:HB	0.52	2.03	13	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:87:LEU:CD2	1:A:95:LYS:HG2	0.52	2.35	2	14
1:A:61:LEU:CA	1:A:98:LEU:HD21	0.52	2.34	3	17
1:A:179:THR:OG1	1:A:182:GLN:HB2	0.52	2.05	13	3
1:A:53:ASP:O	1:A:56:ARG:HG2	0.52	2.04	14	7
1:A:65:ARG:HG2	1:A:66:ALA:N	0.52	2.20	6	1
1:A:93:ARG:HE	1:A:123:ASP:CB	0.52	2.18	10	1
1:A:33:MET:HG2	1:A:62:LEU:HD13	0.52	1.80	9	13
1:A:219:ILE:HG12	1:A:239:LEU:HG	0.52	1.81	18	20
1:A:220:ALA:HA	1:A:223:GLN:OE1	0.52	2.04	15	4
1:A:149:LEU:HA	1:A:152:LEU:HD21	0.51	1.82	14	20
1:A:212:PRO:HG3	1:A:245:PHE:CD1	0.51	2.39	12	8
1:A:140:SER:O	1:A:142:GLY:N	0.51	2.43	8	20
1:A:219:ILE:HG23	1:A:235:LEU:CD2	0.51	2.32	14	20
1:A:211:ASP:O	1:A:214:MET:HG2	0.51	2.06	13	5
1:A:107:LYS:HA	1:A:109:PHE:CE2	0.51	2.41	3	10
1:A:44:TYR:CZ	1:A:62:LEU:HG	0.51	2.41	4	7
1:A:201:LEU:HD13	1:A:239:LEU:HD12	0.51	1.83	20	16
1:A:188:ILE:HB	1:A:192:GLU:OE2	0.51	2.05	18	4
1:A:229:ASN:C	1:A:229:ASN:HD22	0.51	2.13	17	1
1:A:93:ARG:HH11	1:A:93:ARG:HG2	0.51	1.66	7	11
1:A:127:ASN:O	1:A:131:ARG:HG2	0.51	2.06	8	5
1:A:29:SER:O	1:A:33:MET:HG3	0.50	2.06	19	8
1:A:54:ASP:HA	1:A:57:ILE:CG2	0.50	2.36	9	6
1:A:54:ASP:O	1:A:57:ILE:HG23	0.50	2.07	8	10
1:A:103:LYS:HB2	1:A:112:ALA:HB2	0.50	1.83	5	17
1:A:172:TRP:CE3	1:A:175:LEU:HD23	0.50	2.41	10	19
1:A:124:LEU:HD11	1:A:129:GLN:CG	0.50	2.37	8	20
1:A:162:LYS:HG3	1:A:163:GLU:HG2	0.50	1.82	15	10
1:A:61:LEU:O	1:A:65:ARG:HB3	0.50	2.07	19	2
1:A:93:ARG:HH11	1:A:93:ARG:HG3	0.50	1.65	10	1
1:A:125:GLU:HG2	1:A:127:ASN:N	0.50	2.21	4	15
1:A:193:ASN:HD22	1:A:228:ASN:ND2	0.50	2.03	7	8
1:A:57:ILE:O	1:A:61:LEU:HD13	0.50	2.06	9	9
1:A:159:LEU:HB2	1:A:163:GLU:HB2	0.50	1.83	20	20
1:A:171:THR:HG21	1:A:198:TRP:CD1	0.50	2.42	17	13
1:A:239:LEU:H	1:A:239:LEU:HD22	0.50	1.66	6	16
1:A:184:ASN:HD21	1:A:203:ARG:CZ	0.50	2.20	16	1
1:A:87:LEU:HD23	1:A:92:ARG:HA	0.50	1.82	10	20
1:A:175:LEU:CB	1:A:202:GLN:HG2	0.50	2.37	3	20
1:A:242:VAL:HG13	1:A:243:LYS:CD	0.50	2.36	18	5
1:A:32:TYR:HB2	1:A:62:LEU:CD2	0.50	2.34	16	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:196:GLN:HA	1:A:199:LEU:HG	0.50	1.84	2	16
1:A:198:TRP:CG	1:A:229:ASN:HD21	0.50	2.23	16	10
1:A:53:ASP:O	1:A:56:ARG:HB2	0.50	2.06	17	2
1:A:159:LEU:HB2	1:A:163:GLU:HG3	0.49	1.84	6	20
1:A:103:LYS:HZ2	1:A:115:LEU:HD11	0.49	1.65	20	6
1:A:146:ILE:HA	1:A:149:LEU:CD2	0.49	2.35	18	19
1:A:200:ASP:O	1:A:204:VAL:HG12	0.49	2.07	1	9
1:A:175:LEU:HD12	1:A:202:GLN:NE2	0.49	2.22	10	18
1:A:116:LEU:HD22	1:A:136:LYS:CG	0.49	2.31	15	20
1:A:138:ASP:O	1:A:141:GLN:HG2	0.49	2.06	17	6
1:A:68:VAL:CG1	1:A:73:THR:HA	0.49	2.37	3	17
1:A:121:PRO:CB	1:A:129:GLN:HG2	0.49	2.37	11	17
1:A:159:LEU:HB2	1:A:163:GLU:CB	0.49	2.38	20	19
1:A:146:ILE:HG12	1:A:150:ARG:HD2	0.49	1.84	2	6
1:A:29:SER:O	1:A:62:LEU:HD21	0.49	2.07	11	2
1:A:30:THR:O	1:A:33:MET:HB2	0.49	2.08	7	13
1:A:230:PRO:O	1:A:233:LYS:CD	0.49	2.61	13	4
1:A:90:ALA:O	1:A:94:GLU:HG3	0.49	2.07	18	4
1:A:146:ILE:HB	1:A:186:LEU:HD22	0.49	1.84	16	10
1:A:233:LYS:HD3	1:A:234:MET:N	0.49	2.23	19	3
1:A:121:PRO:HA	1:A:124:LEU:CG	0.48	2.39	14	20
1:A:133:TRP:O	1:A:136:LYS:HB2	0.48	2.09	15	15
1:A:72:LYS:H	1:A:72:LYS:CD	0.48	2.21	5	19
1:A:184:ASN:HD21	1:A:203:ARG:NH1	0.48	2.07	18	1
1:A:100:VAL:HG11	1:A:116:LEU:HD11	0.48	1.86	18	20
1:A:188:ILE:HG23	1:A:195:LEU:HB2	0.48	1.85	3	17
1:A:239:LEU:HD22	1:A:239:LEU:H	0.48	1.69	7	4
1:A:219:ILE:HD11	1:A:239:LEU:O	0.48	2.09	6	18
1:A:222:TRP:HZ2	1:A:229:ASN:ND2	0.48	2.07	12	7
1:A:147:ASP:HA	1:A:150:ARG:HB2	0.48	1.85	1	3
1:A:193:ASN:HD22	1:A:194:ILE:H	0.48	1.51	19	3
1:A:100:VAL:CG1	1:A:135:ALA:HB1	0.48	2.39	5	16
1:A:121:PRO:C	1:A:123:ASP:H	0.48	2.16	2	19
1:A:183:ALA:HA	1:A:186:LEU:CD1	0.47	2.38	3	1
1:A:125:GLU:HG3	1:A:127:ASN:H	0.47	1.67	11	1
1:A:245:PHE:CD1	1:A:245:PHE:C	0.47	2.92	17	1
1:A:100:VAL:HG11	1:A:116:LEU:HD21	0.47	1.85	6	18
1:A:116:LEU:HD13	1:A:136:LYS:CG	0.47	2.39	6	20
1:A:60:GLN:HE22	1:A:83:LEU:N	0.47	2.08	5	6
1:A:68:VAL:CG2	1:A:101:GLU:HB3	0.47	2.39	17	1
1:A:172:TRP:HE1	1:A:238:GLN:HB2	0.47	1.68	7	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:120:THR:HB	1:A:123:ASP:HB2	0.47	1.86	1	18
1:A:229:ASN:HD22	1:A:230:PRO:N	0.47	2.08	17	1
1:A:96:THR:O	1:A:100:VAL:HG23	0.47	2.10	18	18
1:A:204:VAL:HG21	1:A:218:GLY:HA3	0.47	1.86	8	16
1:A:209:ARG:CD	1:A:241:ASN:HB3	0.47	2.40	8	2
1:A:168:ILE:HD13	1:A:230:PRO:HB2	0.47	1.86	13	1
1:A:230:PRO:C	1:A:233:LYS:HD2	0.47	2.33	13	1
1:A:140:SER:CB	1:A:148:LEU:HD13	0.47	2.40	20	16
1:A:146:ILE:CD1	1:A:188:ILE:HD13	0.47	2.40	7	12
1:A:182:GLN:HA	1:A:185:THR:HG22	0.47	1.86	18	12
1:A:60:GLN:HG2	1:A:79:LEU:HD12	0.47	1.85	6	5
1:A:113:GLN:HG2	1:A:139:ALA:CB	0.47	2.40	8	16
1:A:146:ILE:HG12	1:A:150:ARG:HG2	0.47	1.85	3	1
1:A:220:ALA:HA	1:A:223:GLN:HE21	0.47	1.70	20	2
1:A:73:THR:HG21	1:A:106:GLN:CG	0.47	2.40	11	8
1:A:126:GLN:HG3	1:A:158:LEU:CD1	0.47	2.40	18	10
1:A:182:GLN:O	1:A:186:LEU:HG	0.47	2.10	19	14
1:A:73:THR:HG22	1:A:102:ILE:HG23	0.46	1.86	5	13
1:A:41:SER:O	1:A:45:LEU:HG	0.46	2.10	15	7
1:A:174:ALA:O	1:A:178:MET:N	0.46	2.46	14	5
1:A:29:SER:O	1:A:33:MET:HE3	0.46	2.10	6	2
1:A:70:GLU:HB3	1:A:72:LYS:NZ	0.46	2.25	7	2
1:A:91:GLN:HA	1:A:94:GLU:OE1	0.46	2.11	17	1
1:A:64:ILE:CD1	1:A:80:PHE:HA	0.46	2.40	6	17
1:A:178:MET:HE2	1:A:186:LEU:HD21	0.46	1.88	7	11
1:A:237:THR:HA	1:A:240:VAL:HB	0.46	1.87	19	14
1:A:67:LEU:O	1:A:70:GLU:HB2	0.46	2.11	19	1
1:A:137:ILE:HD13	1:A:155:GLN:NE2	0.46	2.26	19	1
1:A:162:LYS:CG	1:A:163:GLU:N	0.46	2.78	20	8
1:A:65:ARG:HD3	1:A:65:ARG:C	0.46	2.36	13	1
1:A:202:GLN:O	1:A:206:PHE:CD2	0.46	2.69	9	14
1:A:129:GLN:HB3	1:A:133:TRP:NE1	0.46	2.26	12	6
1:A:87:LEU:HB2	1:A:92:ARG:N	0.46	2.26	16	9
1:A:171:THR:HG21	1:A:198:TRP:CE2	0.46	2.46	15	11
1:A:52:SER:O	1:A:56:ARG:N	0.46	2.48	3	5
1:A:98:LEU:N	1:A:98:LEU:CD1	0.46	2.79	20	16
1:A:188:ILE:CG2	1:A:192:GLU:HA	0.46	2.41	8	10
1:A:133:TRP:CZ2	1:A:154:ALA:HB1	0.46	2.45	13	14
1:A:188:ILE:HG21	1:A:192:GLU:HA	0.46	1.88	15	3
1:A:104:LEU:HD13	1:A:138:ASP:HB3	0.45	1.86	19	13
1:A:149:LEU:O	1:A:153:ILE:HB	0.45	2.11	14	11

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:201:LEU:HG	1:A:222:TRP:CE3	0.45	2.47	10	5
1:A:197:GLY:O	1:A:222:TRP:NE1	0.45	2.48	18	4
1:A:41:SER:OG	1:A:67:LEU:HG	0.45	2.12	11	3
1:A:152:LEU:HA	1:A:155:GLN:HG2	0.45	1.88	18	7
1:A:223:GLN:HA	1:A:232:ALA:CB	0.45	2.42	6	14
1:A:194:ILE:HG22	1:A:198:TRP:CD1	0.45	2.45	5	8
1:A:172:TRP:CE2	1:A:239:LEU:CD1	0.45	2.99	11	5
1:A:87:LEU:N	1:A:87:LEU:HD22	0.45	2.27	16	18
1:A:98:LEU:CD1	1:A:98:LEU:N	0.45	2.79	7	4
1:A:168:ILE:CG2	1:A:236:PRO:HD3	0.45	2.42	6	19
1:A:212:PRO:HA	1:A:242:VAL:CG2	0.45	2.42	19	8
1:A:196:GLN:NE2	1:A:196:GLN:N	0.45	2.65	9	13
1:A:196:GLN:NE2	1:A:197:GLY:H	0.45	2.10	3	3
1:A:114:ASN:O	1:A:118:LYS:HE3	0.45	2.11	3	6
1:A:156:GLU:HA	1:A:159:LEU:CG	0.45	2.41	6	2
1:A:72:LYS:N	1:A:72:LYS:CD	0.45	2.80	4	19
1:A:133:TRP:O	1:A:137:ILE:HD12	0.45	2.12	17	17
1:A:64:ILE:HB	1:A:98:LEU:HD23	0.45	1.87	18	3
1:A:125:GLU:HB3	1:A:128:GLN:CG	0.45	2.42	14	1
1:A:57:ILE:CD1	1:A:91:GLN:HE21	0.45	2.25	8	3
1:A:155:GLN:O	1:A:158:LEU:HB2	0.45	2.12	17	12
1:A:100:VAL:HG12	1:A:135:ALA:HB1	0.45	1.87	11	9
1:A:172:TRP:CZ2	1:A:239:LEU:HB3	0.45	2.47	18	1
1:A:175:LEU:HB3	1:A:202:GLN:HB3	0.45	1.88	18	4
1:A:196:GLN:C	1:A:199:LEU:HG	0.44	2.37	9	4
1:A:30:THR:HA	1:A:33:MET:SD	0.44	2.52	15	2
1:A:129:GLN:HB2	1:A:158:LEU:HD21	0.44	1.90	14	1
1:A:172:TRP:HD1	1:A:238:GLN:NE2	0.44	2.11	10	4
1:A:28:GLN:O	1:A:31:ALA:HB3	0.44	2.12	11	1
1:A:207:ASP:HB3	1:A:208:ASN:OD1	0.44	2.13	20	2
1:A:79:LEU:HA	1:A:82:GLN:HG2	0.44	1.89	2	10
1:A:142:GLY:O	1:A:144:PRO:HD3	0.44	2.12	1	11
1:A:236:PRO:HD2	1:A:239:LEU:HD11	0.44	1.89	11	5
1:A:51:SER:OG	1:A:55:THR:HG21	0.44	2.11	9	1
1:A:79:LEU:O	1:A:82:GLN:HB2	0.44	2.12	11	14
1:A:149:LEU:HA	1:A:152:LEU:CD2	0.44	2.43	18	2
1:A:130:ALA:O	1:A:134:GLN:HG3	0.44	2.12	2	3
1:A:146:ILE:HB	1:A:186:LEU:HD13	0.44	1.90	13	2
1:A:140:SER:C	1:A:142:GLY:N	0.44	2.76	14	5
1:A:188:ILE:HD12	1:A:196:GLN:N	0.44	2.28	4	5
1:A:48:MET:HG3	1:A:60:GLN:HG3	0.44	1.90	16	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:180:GLN:HG2	1:A:206:PHE:CD2	0.44	2.48	15	3
1:A:96:THR:C	1:A:119:ILE:HD11	0.44	2.38	15	15
1:A:195:LEU:N	1:A:195:LEU:CD1	0.44	2.80	15	13
1:A:236:PRO:O	1:A:239:LEU:CD2	0.44	2.66	7	19
1:A:113:GLN:CG	1:A:139:ALA:HB1	0.44	2.42	20	11
1:A:119:ILE:CG2	1:A:124:LEU:HD23	0.44	2.43	19	4
1:A:43:PHE:CE1	1:A:47:GLN:NE2	0.44	2.86	19	1
1:A:193:ASN:ND2	1:A:193:ASN:N	0.44	2.65	19	2
1:A:64:ILE:HG21	1:A:102:ILE:HD11	0.44	1.89	11	12
1:A:212:PRO:HA	1:A:242:VAL:HG23	0.44	1.90	19	1
1:A:83:LEU:HD13	1:A:95:LYS:CE	0.44	2.42	7	3
1:A:113:GLN:CA	1:A:116:LEU:HD12	0.43	2.41	11	6
1:A:168:ILE:HG22	1:A:236:PRO:HG3	0.43	1.90	17	10
1:A:100:VAL:CG1	1:A:116:LEU:HD11	0.43	2.43	14	20
1:A:208:ASN:O	1:A:209:ARG:C	0.43	2.61	9	16
1:A:175:LEU:HD11	1:A:199:LEU:CD2	0.43	2.43	15	5
1:A:120:THR:O	1:A:124:LEU:HG	0.43	2.13	19	7
1:A:207:ASP:HB3	1:A:208:ASN:ND2	0.43	2.29	1	1
1:A:51:SER:HB3	1:A:55:THR:CG2	0.43	2.43	3	1
1:A:202:GLN:HA	1:A:205:TRP:CB	0.43	2.42	19	3
1:A:97:LEU:HD12	1:A:97:LEU:C	0.43	2.39	5	12
1:A:100:VAL:HG13	1:A:112:ALA:HB1	0.43	1.89	5	8
1:A:209:ARG:HA	1:A:215:MET:SD	0.43	2.53	20	2
1:A:57:ILE:HG13	1:A:84:PRO:HD2	0.43	1.90	8	5
1:A:61:LEU:CD2	1:A:94:GLU:HB3	0.43	2.44	13	2
1:A:93:ARG:CG	1:A:93:ARG:NH1	0.43	2.79	10	1
1:A:159:LEU:HD11	1:A:164:LYS:HG3	0.43	1.90	11	4
1:A:127:ASN:O	1:A:131:ARG:HD3	0.43	2.13	12	1
1:A:125:GLU:HB3	1:A:128:GLN:HG2	0.43	1.88	15	2
1:A:172:TRP:CD1	1:A:238:GLN:NE2	0.43	2.86	10	2
1:A:74:GLY:HA2	1:A:77:VAL:HB	0.43	1.91	12	13
1:A:245:PHE:CD2	1:A:246:LYS:HG2	0.43	2.48	1	1
1:A:170:ALA:HA	1:A:173:GLN:HB2	0.43	1.90	6	14
1:A:72:LYS:HB3	1:A:75:GLN:HB2	0.43	1.91	19	6
1:A:116:LEU:HD23	1:A:132:TYR:CD2	0.43	2.49	6	1
1:A:33:MET:HB3	1:A:131:ARG:NH2	0.43	2.29	14	1
1:A:78:GLU:O	1:A:81:ASN:HB2	0.43	2.13	6	1
1:A:195:LEU:CD1	1:A:195:LEU:N	0.43	2.82	7	2
1:A:152:LEU:HD22	1:A:152:LEU:H	0.43	1.72	18	1
1:A:230:PRO:HA	1:A:233:LYS:HE3	0.43	1.89	8	1
1:A:121:PRO:HG3	1:A:133:TRP:CZ2	0.43	2.48	14	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:129:GLN:C	1:A:133:TRP:CD1	0.43	2.97	19	7
1:A:67:LEU:HD13	1:A:75:GLN:HB3	0.43	1.91	6	3
1:A:222:TRP:HA	1:A:225:ARG:HG3	0.43	1.91	11	1
1:A:194:ILE:HG23	1:A:230:PRO:HD2	0.43	1.89	14	2
1:A:143:ARG:HA	1:A:144:PRO:HD2	0.42	1.72	10	6
1:A:245:PHE:O	1:A:246:LYS:O	0.42	2.37	17	1
1:A:54:ASP:O	1:A:58:ASN:HB2	0.42	2.14	18	2
1:A:130:ALA:HB2	1:A:158:LEU:HD23	0.42	1.91	8	1
1:A:101:GLU:HA	1:A:104:LEU:HD12	0.42	1.92	20	2
1:A:121:PRO:C	1:A:123:ASP:N	0.42	2.78	2	1
1:A:194:ILE:CG2	1:A:230:PRO:HD2	0.42	2.45	19	4
1:A:64:ILE:CG2	1:A:102:ILE:HD11	0.42	2.44	6	1
1:A:146:ILE:HB	1:A:186:LEU:HB3	0.42	1.91	6	2
1:A:78:GLU:HG3	1:A:79:LEU:N	0.42	2.30	8	2
1:A:163:GLU:HB3	1:A:166:GLN:NE2	0.42	2.28	15	1
1:A:152:LEU:N	1:A:152:LEU:HD22	0.42	2.30	14	8
1:A:78:GLU:HA	1:A:81:ASN:ND2	0.42	2.29	8	1
1:A:44:TYR:N	1:A:44:TYR:CD1	0.42	2.86	19	2
1:A:178:MET:HG2	1:A:202:GLN:NE2	0.42	2.29	9	4
1:A:116:LEU:HD13	1:A:136:LYS:HA	0.42	1.90	3	3
1:A:97:LEU:HD22	1:A:132:TYR:HB2	0.42	1.91	6	2
1:A:164:LYS:O	1:A:165:GLN:C	0.42	2.63	4	12
1:A:87:LEU:HB3	1:A:91:GLN:HB3	0.42	1.92	10	3
1:A:195:LEU:N	1:A:195:LEU:HD12	0.42	2.29	18	2
1:A:223:GLN:O	1:A:232:ALA:HB1	0.42	2.14	2	1
1:A:152:LEU:HD22	1:A:152:LEU:N	0.42	2.30	18	2
1:A:173:GLN:HE21	1:A:238:GLN:NE2	0.42	2.13	7	1
1:A:241:ASN:HA	1:A:244:ALA:CB	0.42	2.39	18	2
1:A:84:PRO:O	1:A:87:LEU:HD21	0.42	2.15	5	3
1:A:73:THR:O	1:A:77:VAL:HG23	0.42	2.15	18	5
1:A:67:LEU:HD23	1:A:67:LEU:HA	0.42	1.78	7	1
1:A:208:ASN:CG	1:A:214:MET:HG3	0.42	2.40	9	1
1:A:175:LEU:HD11	1:A:199:LEU:HD23	0.41	1.93	6	4
1:A:153:ILE:HG21	1:A:195:LEU:HD12	0.41	1.90	11	2
1:A:132:TYR:HE1	1:A:133:TRP:CH2	0.41	2.33	12	4
1:A:225:ARG:HB2	1:A:226:TYR:CD1	0.41	2.50	11	1
1:A:147:ASP:HA	1:A:150:ARG:CD	0.41	2.45	18	1
1:A:116:LEU:HD13	1:A:136:LYS:CD	0.41	2.45	18	10
1:A:65:ARG:HD2	1:A:66:ALA:N	0.41	2.30	4	1
1:A:208:ASN:C	1:A:215:MET:HB2	0.41	2.39	18	1
1:A:178:MET:SD	1:A:202:GLN:NE2	0.41	2.94	7	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:94:GLU:O	1:A:98:LEU:HD13	0.41	2.14	6	1
1:A:32:TYR:HE1	1:A:38:GLN:C	0.41	2.24	12	3
1:A:212:PRO:O	1:A:213:ASP:C	0.41	2.63	19	1
1:A:193:ASN:HB3	1:A:194:ILE:HG12	0.41	1.92	6	1
1:A:194:ILE:HD12	1:A:230:PRO:CD	0.41	2.46	12	3
1:A:121:PRO:C	1:A:129:GLN:HE21	0.41	2.23	14	1
1:A:198:TRP:CH2	1:A:231:GLY:HA3	0.41	2.51	19	1
1:A:159:LEU:HD12	1:A:160:GLY:N	0.41	2.30	17	2
1:A:129:GLN:HB3	1:A:133:TRP:CD1	0.41	2.51	6	1
1:A:93:ARG:HE	1:A:120:THR:CB	0.41	2.28	11	1
1:A:146:ILE:HG13	1:A:149:LEU:HG	0.41	1.92	3	1
1:A:62:LEU:HA	1:A:65:ARG:HG2	0.41	1.93	5	1
1:A:175:LEU:HD12	1:A:202:GLN:HE21	0.41	1.76	5	2
1:A:73:THR:O	1:A:77:VAL:N	0.41	2.53	19	4
1:A:199:LEU:HD23	1:A:199:LEU:N	0.41	2.31	16	1
1:A:49:GLN:HA	1:A:56:ARG:NH2	0.41	2.31	3	1
1:A:65:ARG:C	1:A:65:ARG:HD3	0.41	2.41	3	1
1:A:121:PRO:HA	1:A:124:LEU:HG	0.41	1.92	19	2
1:A:205:TRP:HA	1:A:215:MET:SD	0.41	2.56	10	1
1:A:238:GLN:CD	1:A:238:GLN:H	0.41	2.24	11	1
1:A:93:ARG:HG2	1:A:93:ARG:HH11	0.40	1.75	5	1
1:A:133:TRP:CE2	1:A:154:ALA:CB	0.40	3.01	7	1
1:A:33:MET:CG	1:A:62:LEU:HD13	0.40	2.46	14	1
1:A:46:GLN:O	1:A:50:GLN:HB2	0.40	2.15	12	1
1:A:33:MET:HE2	1:A:61:LEU:HB2	0.40	1.92	16	1
1:A:153:ILE:HG21	1:A:195:LEU:CD1	0.40	2.46	18	2
1:A:109:PHE:O	1:A:113:GLN:HG3	0.40	2.17	2	1
1:A:193:ASN:H	1:A:193:ASN:HD22	0.40	1.60	16	1
1:A:52:SER:OG	1:A:53:ASP:N	0.40	2.54	7	1
1:A:159:LEU:CD1	1:A:163:GLU:HB2	0.40	2.42	10	1
1:A:194:ILE:HD12	1:A:230:PRO:HD2	0.40	1.93	11	1
1:A:196:GLN:N	1:A:196:GLN:NE2	0.40	2.69	1	1
1:A:53:ASP:O	1:A:57:ILE:HG22	0.40	2.16	2	1
1:A:63:ALA:O	1:A:67:LEU:HB2	0.40	2.17	2	1
1:A:78:GLU:O	1:A:81:ASN:HB3	0.40	2.17	3	1
1:A:241:ASN:O	1:A:245:PHE:N	0.40	2.55	8	1
1:A:152:LEU:CD2	1:A:153:ILE:H	0.40	2.29	9	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	216/250 (86%)	186±9 (86±4%)	21±3 (10±1%)	5±1 (2±0%)	7 44
All	All	4259/5000 (85%)	3727 (88%)	428 (10%)	104 (2%)	7 44

All 9 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	246	LYS	20
1	A	124	LEU	19
1	A	141	GLN	19
1	A	144	PRO	18
1	A	53	ASP	16
1	A	245	PHE	6
1	A	195	LEU	4
1	A	147	ASP	1
1	A	192	GLU	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	180/208 (87%)	132±14 (73±8%)	44±3 (25±2%)	2 25
All	All	3517/4160 (85%)	2630 (75%)	887 (25%)	2 24

All 82 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	57	ILE	20

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Mol	Chain	Res	Type	Models (Total)
1	A	123	ASP	20
1	A	126	GLN	20
1	A	149	LEU	20
1	A	152	LEU	20
1	A	158	LEU	20
1	A	163	GLU	20
1	A	166	GLN	20
1	A	175	LEU	20
1	A	178	MET	20
1	A	180	GLN	20
1	A	194	ILE	20
1	A	196	GLN	20
1	A	199	LEU	20
1	A	201	LEU	20
1	A	202	GLN	20
1	A	204	VAL	20
1	A	216	LYS	20
1	A	228	ASN	20
1	A	239	LEU	20
1	A	240	VAL	20
1	A	241	ASN	20
1	A	242	VAL	20
1	A	245	PHE	20
1	A	64	ILE	19
1	A	68	VAL	19
1	A	75	GLN	19
1	A	79	LEU	19
1	A	83	LEU	19
1	A	95	LYS	19
1	A	97	LEU	19
1	A	107	LYS	19
1	A	179	THR	19
1	A	188	ILE	19
1	A	233	LYS	18
1	A	38	GLN	14
1	A	234	MET	12
1	A	115	LEU	11
1	A	235	LEU	11
1	A	167	ASN	10
1	A	193	ASN	10
1	A	146	ILE	10
1	A	141	GLN	9

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Mol	Chain	Res	Type	Models (Total)
1	A	162	LYS	8
1	A	52	SER	8
1	A	200	ASP	8
1	A	62	LEU	7
1	A	108	ASP	7
1	A	150	ARG	6
1	A	65	ARG	6
1	A	156	GLU	6
1	A	28	GLN	4
1	A	67	LEU	4
1	A	155	GLN	4
1	A	85	GLN	4
1	A	98	LEU	3
1	A	94	GLU	3
1	A	56	ARG	3
1	A	131	ARG	3
1	A	128	GLN	2
1	A	30	THR	2
1	A	211	ASP	2
1	A	223	GLN	2
1	A	165	GLN	2
1	A	246	LYS	1
1	A	29	SER	1
1	A	89	ASP	1
1	A	54	ASP	1
1	A	88	ASN	1
1	A	69	LYS	1
1	A	48	MET	1
1	A	182	GLN	1
1	A	41	SER	1
1	A	93	ARG	1
1	A	238	GLN	1
1	A	50	GLN	1
1	A	82	GLN	1
1	A	140	SER	1
1	A	101	GLU	1
1	A	229	ASN	1
1	A	47	GLN	1
1	A	209	ARG	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 90% for the well-defined parts and 86% 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	2922
Number of shifts mapped to atoms	2922
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	15

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	239	-1.31 ± 0.07	Should be checked
$^{13}C_{\beta}$	225	-0.83 ± 0.06	Should be checked
$^{13}C'$	226	-0.20 ± 0.08	None needed (< 0.5 ppm)
^{15}N	224	0.35 ± 0.21	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 90%, i.e. 2700 atoms were assigned a chemical shift out of a possible 3007. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	1058/1073 (99%)	431/433 (100%)	421/432 (97%)	206/208 (99%)
Sidechain	1510/1776 (85%)	1002/1146 (87%)	475/544 (87%)	33/86 (38%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	132/158 (84%)	66/77 (86%)	60/75 (80%)	6/6 (100%)
Overall	2700/3007 (90%)	1499/1656 (91%)	956/1051 (91%)	245/300 (82%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 86%, i.e. 2922 atoms were assigned a chemical shift out of a possible 3410. 0 out of 34 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	1163/1241 (94%)	474/502 (94%)	465/500 (93%)	224/239 (94%)
Sidechain	1627/1947 (84%)	1081/1259 (86%)	511/598 (85%)	35/90 (39%)
Aromatic	132/222 (59%)	66/109 (61%)	60/91 (66%)	6/22 (27%)
Overall	2922/3410 (86%)	1621/1870 (87%)	1036/1189 (87%)	265/351 (75%)

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.

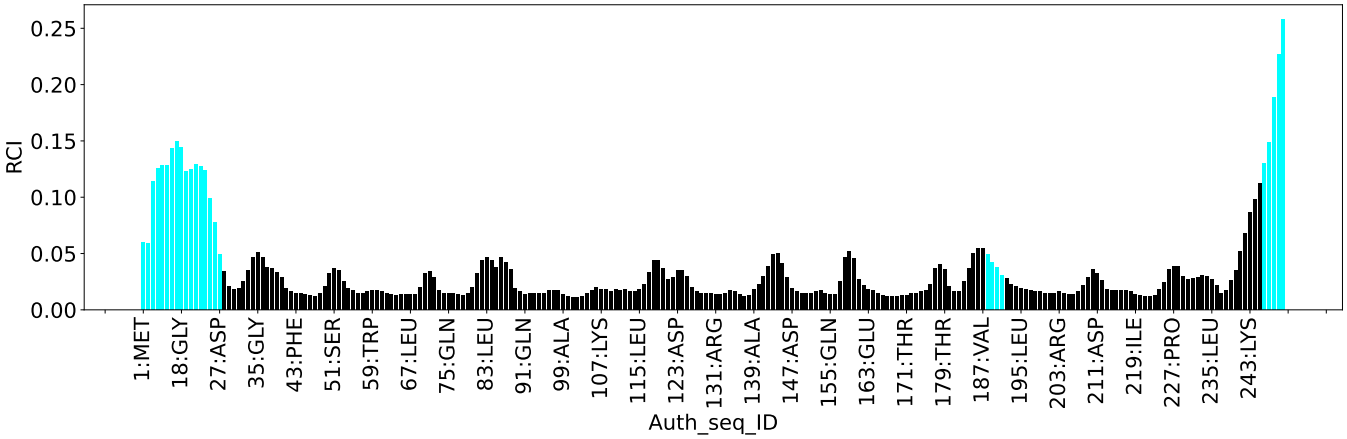
List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	47	GLN	HG2	-0.11	1.01 – 3.62	-9.3
1	A	47	GLN	HB3	-0.38	0.71 – 3.33	-9.1
1	A	176	SER	HB2	1.80	2.61 – 5.13	-8.2
1	A	47	GLN	HB2	0.26	0.80 – 3.29	-7.2
1	A	171	THR	HG21	-0.33	0.08 – 2.19	-7.0
1	A	171	THR	HG22	-0.33	0.08 – 2.19	-7.0
1	A	171	THR	HG23	-0.33	0.08 – 2.19	-7.0
1	A	201	LEU	HB2	-0.74	-0.07 – 3.30	-7.0
1	A	209	ARG	HD2	1.67	1.97 – 4.26	-6.3
1	A	172	TRP	HZ2	5.57	5.71 – 8.86	-5.5
1	A	154	ALA	HB1	0.03	0.14 – 2.58	-5.5
1	A	154	ALA	HB2	0.03	0.14 – 2.58	-5.5
1	A	154	ALA	HB3	0.03	0.14 – 2.58	-5.5
1	A	47	GLN	HG3	0.80	0.91 – 3.68	-5.4
1	A	29	SER	HB2	2.57	2.61 – 5.13	-5.2

7.1.5 Random Coil Index (RCI) plots (i)

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

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	6086
Intra-residue (|i-j|=0)	2113
Sequential (|i-j|=1)	1223
Medium range (|i-j|>1 and |i-j|<5)	1296
Long range (|i-j|≥5)	1454
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	426
Number of unmapped restraints	0
Number of restraints per residue	26.0
Number of long range restraints per residue[1]	5.8

[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)	354.0	0.2
0.2-0.5 (Medium)	668.0	0.5
>0.5 (Large)	514.0	2.98

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)	27.8	9.91
10.0-20.0 (Medium)	0.5	12.13
>20.0 (Large)	None	None

9 Distance violation analysis (i)

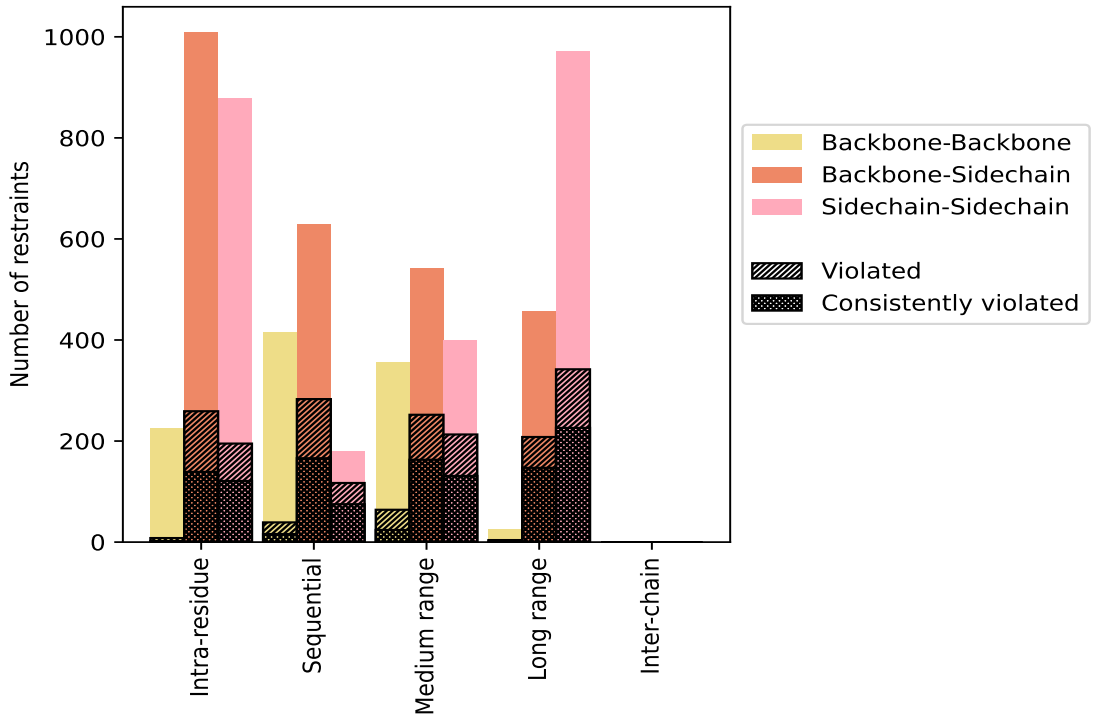
9.1 Summary of distance violations (i)

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)	2113	34.7	462	21.9	7.6	262	12.4	4.3
Backbone-Backbone	226	3.7	8	3.5	0.1	2	0.9	0.0
Backbone-Sidechain	1009	16.6	259	25.7	4.3	139	13.8	2.3
Sidechain-Sidechain	878	14.4	195	22.2	3.2	121	13.8	2.0
Sequential (|i-j|=1)	1223	20.1	439	35.9	7.2	257	21.0	4.2
Backbone-Backbone	415	6.8	39	9.4	0.6	16	3.9	0.3
Backbone-Sidechain	629	10.3	283	45.0	4.7	166	26.4	2.7
Sidechain-Sidechain	179	2.9	117	65.4	1.9	75	41.9	1.2
Medium range (|i-j|>1 & |i-j|<5)	1296	21.3	529	40.8	8.7	318	24.5	5.2
Backbone-Backbone	355	5.8	64	18.0	1.1	24	6.8	0.4
Backbone-Sidechain	541	8.9	252	46.6	4.1	163	30.1	2.7
Sidechain-Sidechain	400	6.6	213	53.2	3.5	131	32.8	2.2
Long range (|i-j|≥5)	1454	23.9	554	38.1	9.1	374	25.7	6.1
Backbone-Backbone	26	0.4	4	15.4	0.1	1	3.8	0.0
Backbone-Sidechain	456	7.5	208	45.6	3.4	147	32.2	2.4
Sidechain-Sidechain	972	16.0	342	35.2	5.6	226	23.3	3.7
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	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	6086	100.0	1984	32.6	32.6	1211	19.9	19.9
Backbone-Backbone	1022	16.8	115	11.3	1.9	43	4.2	0.7
Backbone-Sidechain	2635	43.3	1002	38.0	16.5	615	23.3	10.1
Sidechain-Sidechain	2429	39.9	867	35.7	14.2	553	22.8	9.1

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	349	342	409	468	0	1568	0.48	2.61	0.39	0.36
2	352	339	407	461	0	1559	0.48	2.54	0.39	0.36
3	355	341	401	465	0	1562	0.48	2.6	0.4	0.36
4	345	346	410	467	0	1568	0.48	2.6	0.39	0.35
5	354	349	403	455	0	1561	0.47	2.98	0.39	0.35
6	339	342	408	469	0	1558	0.48	2.59	0.38	0.36
7	345	333	404	457	0	1539	0.49	2.72	0.39	0.37
8	353	341	398	465	0	1557	0.48	2.95	0.39	0.36
9	350	340	399	463	0	1552	0.48	2.62	0.38	0.36
10	352	338	401	459	0	1550	0.48	2.59	0.39	0.36

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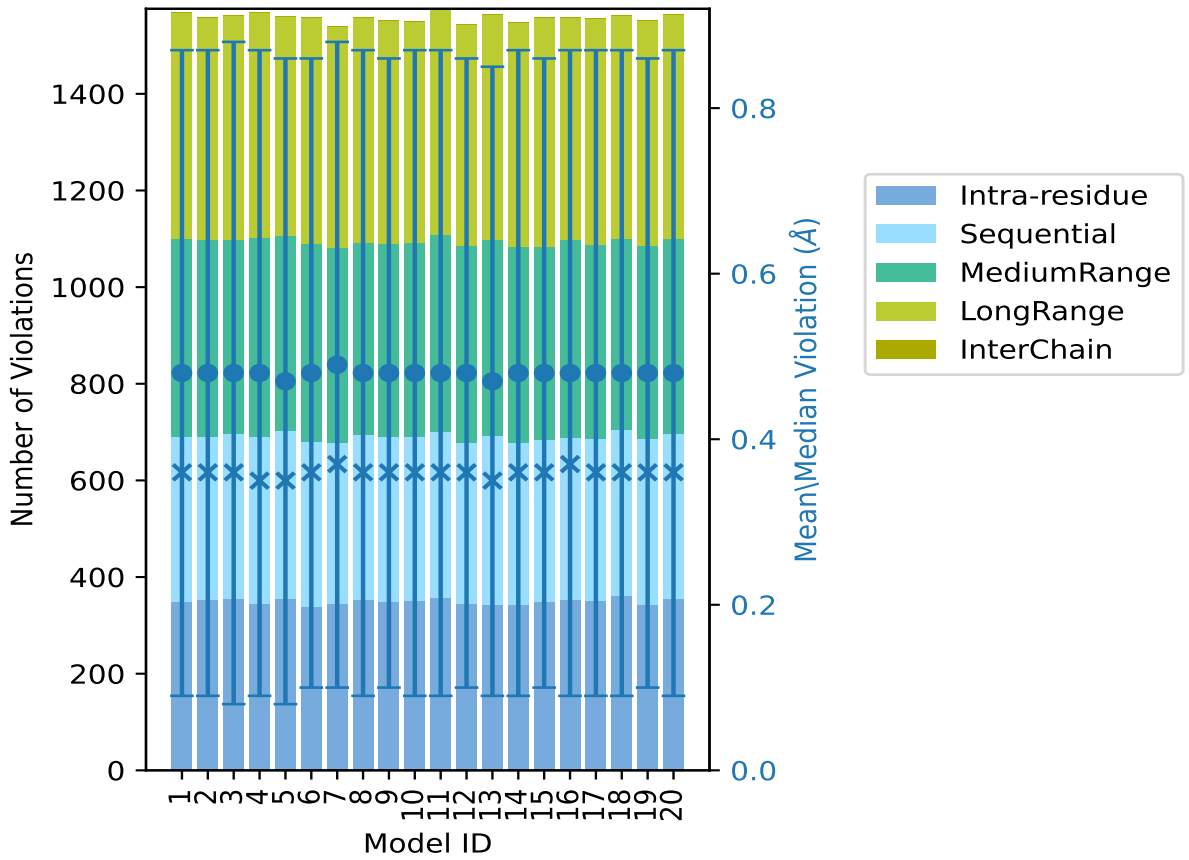
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	357	344	407	468	0	1576	0.48	2.98	0.39	0.36
12	345	334	406	459	0	1544	0.48	2.5	0.38	0.36
13	342	351	404	467	0	1564	0.47	2.51	0.38	0.35
14	342	337	404	464	0	1547	0.48	2.64	0.39	0.36
15	349	336	398	474	0	1557	0.48	2.57	0.38	0.36
16	353	336	409	461	0	1559	0.48	2.64	0.39	0.37
17	351	334	403	467	0	1555	0.48	2.6	0.39	0.36
18	362	343	395	462	0	1562	0.48	2.56	0.39	0.36
19	342	343	401	466	0	1552	0.48	2.55	0.38	0.36
20	354	343	404	464	0	1565	0.48	2.58	0.39	0.36

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

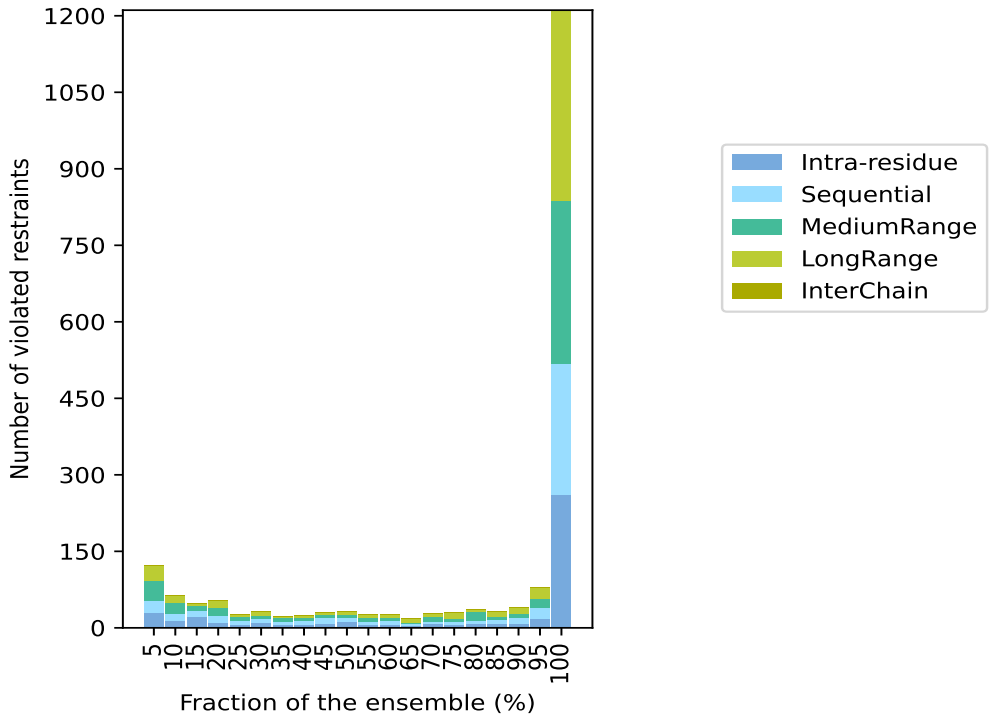
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 4102(IR:1651, SQ:784, MR:767, LR:900, 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]	%
30	24	38	30	0	122	1	5.0
14	14	21	15	0	64	2	10.0
22	11	11	4	0	48	3	15.0
10	14	16	13	0	53	4	20.0
6	8	7	5	0	26	5	25.0
10	8	6	8	0	32	6	30.0
7	4	9	2	0	22	7	35.0
6	7	7	5	0	25	8	40.0
8	12	7	4	0	31	9	45.0
12	8	6	6	0	32	10	50.0
6	7	8	6	0	27	11	55.0
7	6	7	6	0	26	12	60.0
5	3	2	9	0	19	13	65.0
7	5	10	6	0	28	14	70.0
6	6	7	12	0	31	15	75.0
8	7	16	5	0	36	16	80.0
9	6	7	10	0	32	17	85.0
9	10	9	12	0	40	18	90.0
18	22	17	22	0	79	19	95.0
262	257	318	374	0	1211	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

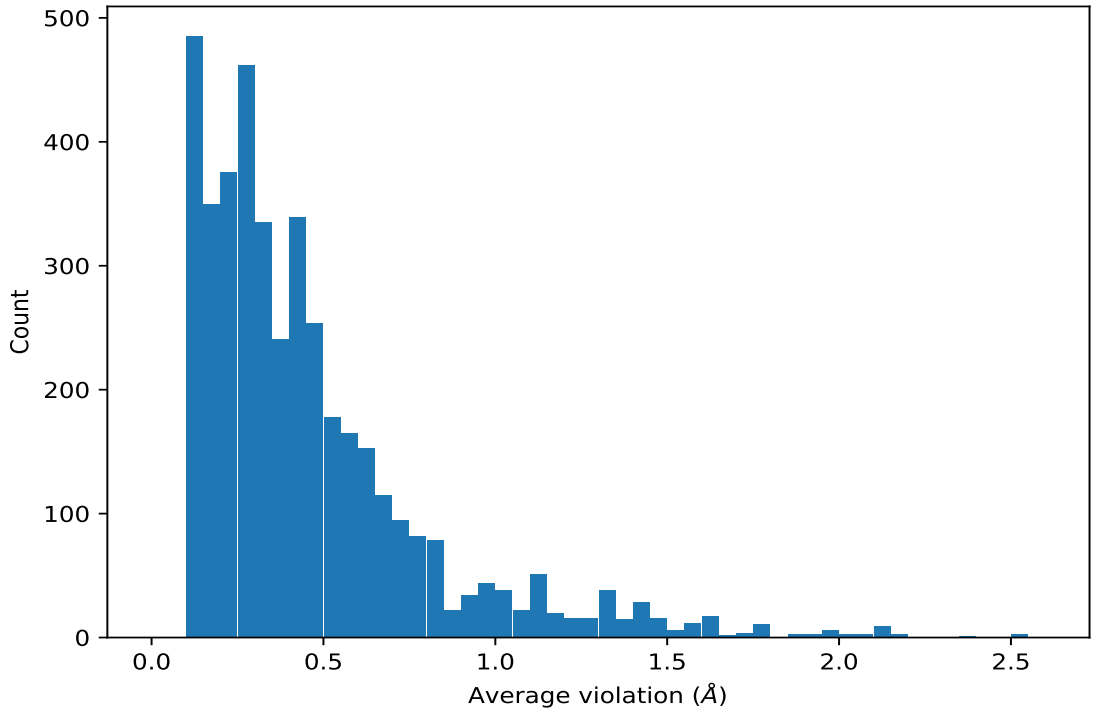
9.3.1 Bar graph : Distance violation statistics for the ensemble



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 (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	20	2.54	0.03	2.53
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	20	2.54	0.03	2.53
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB2	20	2.54	0.03	2.53
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	20	2.37	0.37	2.59
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	20	2.15	0.05	2.14
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	20	2.15	0.05	2.14
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	20	2.15	0.05	2.14
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	20	2.14	0.02	2.14
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	20	2.14	0.02	2.14
(1,3059)	1:122:A:ALA:HB1	1:121:A:PRO:HG3	20	2.14	0.02	2.14
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	20	2.12	0.02	2.11
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	20	2.12	0.02	2.11
(1,3665)	1:115:A:LEU:HD21	1:114:A:ASN:HB2	20	2.12	0.02	2.11
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	20	2.1	0.11	2.12
(1,1622)	1:37:A:ALA:HB3	1:28:A:GLN:HB2	20	2.1	0.11	2.12
(1,1622)	1:37:A:ALA:HB1	1:28:A:GLN:HB2	20	2.1	0.11	2.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	20	2.06	0.11	2.11
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	20	2.06	0.11	2.11
(1,2661)	1:183:A:ALA:HB2	1:182:A:GLN:HB2	20	2.06	0.11	2.11
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	20	2.04	0.02	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	20	2.04	0.02	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG11	20	2.04	0.02	2.04
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	20	1.98	0.03	1.98
(1,2448)	1:175:A:LEU:HD22	1:202:A:GLN:HE22	20	1.98	0.03	1.98
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	20	1.98	0.03	1.98
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	20	1.97	0.07	1.96
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	20	1.97	0.07	1.96
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	20	1.97	0.07	1.96
(1,336)	1:77:A:VAL:HG13	1:80:A:PHE:HB2	20	1.92	0.1	1.95
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	20	1.92	0.1	1.95
(1,336)	1:77:A:VAL:HG11	1:80:A:PHE:HB2	20	1.92	0.1	1.95
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	20	1.85	0.04	1.84
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	20	1.85	0.04	1.84
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	20	1.85	0.04	1.84
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	20	1.79	0.02	1.79
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	20	1.79	0.71	1.29
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	20	1.78	0.08	1.79
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	20	1.78	0.08	1.79
(1,2669)	1:174:A:ALA:HB2	1:149:A:LEU:HB2	20	1.78	0.08	1.79
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	20	1.78	0.02	1.78
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	20	1.78	0.02	1.77
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	20	1.77	0.08	1.78
(1,411)	1:149:A:LEU:HD13	1:196:A:GLN:HB3	20	1.77	0.08	1.78
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	20	1.77	0.08	1.78
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	20	1.76	0.03	1.76
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	20	1.72	0.01	1.72
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	20	1.72	0.05	1.72
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	20	1.72	0.07	1.73
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	20	1.71	0.03	1.7
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	20	1.7	0.02	1.7
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	20	1.68	0.12	1.68
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	20	1.65	0.02	1.64
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	20	1.64	0.09	1.66
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	20	1.63	0.02	1.62
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	20	1.62	0.07	1.64
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	20	1.62	0.07	1.64
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG13	20	1.62	0.07	1.64
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB2	20	1.62	0.09	1.63

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	20	1.62	0.09	1.63
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB3	20	1.61	0.04	1.61
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB3	20	1.61	0.04	1.61
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB2	20	1.61	0.04	1.61
(1,3968)	1:154:A:ALA:HB2	1:130:A:ALA:HB3	20	1.61	0.04	1.61
(1,3968)	1:154:A:ALA:HB2	1:130:A:ALA:HB1	20	1.61	0.04	1.61
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB1	20	1.61	0.04	1.61
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB1	20	1.61	0.04	1.61
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	20	1.6	0.17	1.66
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	20	1.6	0.02	1.6
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	20	1.59	0.07	1.58
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	20	1.59	0.07	1.58
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	20	1.59	0.07	1.58
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG22	20	1.57	0.03	1.58
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	20	1.57	0.03	1.58
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	20	1.57	0.03	1.58
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	20	1.56	0.45	1.81
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	20	1.56	0.45	1.81
(1,4243)	1:239:A:LEU:HD12	1:238:A:GLN:HE22	20	1.56	0.45	1.81
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	20	1.56	0.03	1.56
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	20	1.55	0.07	1.54
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	20	1.55	0.06	1.57
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	20	1.53	0.1	1.54
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	20	1.53	0.02	1.53
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	20	1.52	0.08	1.52
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	20	1.52	0.04	1.52
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	20	1.51	0.08	1.51
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	20	1.5	0.06	1.49
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	20	1.49	0.03	1.5
(1,2724)	1:97:A:LEU:HD12	1:132:A:TYR:HB3	20	1.49	0.03	1.5
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	20	1.49	0.03	1.5
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	20	1.49	0.05	1.48
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	20	1.49	0.05	1.48
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	20	1.49	0.05	1.48
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	20	1.49	0.05	1.48
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	20	1.48	0.04	1.48
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	20	1.48	0.04	1.48
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	20	1.48	0.04	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	20	1.47	0.01	1.47
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	20	1.47	0.08	1.45
(1,389)	1:175:A:LEU:HD23	1:236:A:PRO:HB2	20	1.47	0.08	1.45
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	20	1.47	0.08	1.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	20	1.44	0.01	1.44
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG22	20	1.44	0.02	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	20	1.44	0.02	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG23	20	1.44	0.02	1.45
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	20	1.44	0.06	1.44
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	20	1.44	0.06	1.44
(1,1498)	1:45:A:LEU:HD12	1:75:A:GLN:HE21	20	1.44	0.06	1.44
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	20	1.43	0.02	1.43
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	20	1.41	0.02	1.41
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	20	1.41	0.05	1.4
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	20	1.41	0.03	1.41
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	20	1.41	0.08	1.4
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD23	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD21	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD23	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD22	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD22	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD23	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD21	20	1.41	0.02	1.41
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD22	20	1.41	0.02	1.41
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	20	1.41	0.06	1.4
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	20	1.41	0.06	1.4
(1,421)	1:188:A:ILE:HD12	1:198:A:TRP:HB2	20	1.41	0.06	1.4
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	20	1.41	0.02	1.41
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	20	1.41	0.02	1.41
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD21	20	1.41	0.02	1.41
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	20	1.4	0.03	1.4
(1,1775)	1:119:A:ILE:HD11	1:132:A:TYR:HB3	20	1.4	0.03	1.4
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	20	1.4	0.03	1.4
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	20	1.4	0.05	1.39
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	20	1.4	0.05	1.39
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB1	20	1.4	0.05	1.39
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	20	1.39	0.03	1.39
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	20	1.39	0.14	1.44
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	20	1.38	0.04	1.4
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	20	1.38	0.04	1.38
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	20	1.38	0.07	1.35
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	20	1.36	0.14	1.39
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	20	1.34	0.03	1.35
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	20	1.34	0.03	1.35
(1,1746)	1:137:A:ILE:HG23	1:138:A:ASP:HB3	20	1.34	0.03	1.35
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD21	20	1.34	0.04	1.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD23	20	1.34	0.04	1.35
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD22	20	1.34	0.04	1.35
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD22	20	1.34	0.04	1.35
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD23	20	1.34	0.04	1.35
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD22	20	1.34	0.04	1.35
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD21	20	1.34	0.04	1.35
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD21	20	1.34	0.04	1.35
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	20	1.34	0.02	1.34
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	20	1.34	0.02	1.34
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	20	1.34	0.02	1.34
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	20	1.33	0.12	1.36
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	20	1.32	0.1	1.32
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	20	1.32	0.04	1.32
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	20	1.32	0.04	1.32
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	20	1.32	0.04	1.32
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	20	1.31	0.41	1.13
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	20	1.31	0.09	1.3
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	20	1.31	0.08	1.31
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	20	1.31	0.08	1.31
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	20	1.31	0.08	1.31
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	20	1.31	0.18	1.29
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	20	1.31	0.08	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	20	1.29	0.03	1.3
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	20	1.28	0.03	1.27
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	20	1.28	0.13	1.25
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	20	1.27	0.03	1.27
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	20	1.27	0.03	1.27
(1,449)	1:239:A:LEU:HD13	1:215:A:MET:HG3	20	1.27	0.03	1.27
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	20	1.27	0.07	1.29
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	20	1.26	0.08	1.27
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	20	1.26	0.08	1.27
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD23	20	1.26	0.08	1.27
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	20	1.24	0.03	1.25
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	20	1.24	0.03	1.24
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG22	20	1.23	0.04	1.22
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG22	20	1.23	0.04	1.22
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG23	20	1.23	0.04	1.22
(1,1709)	1:239:A:LEU:HD21	1:168:A:ILE:HG21	20	1.23	0.04	1.22
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG23	20	1.23	0.04	1.22
(1,1709)	1:239:A:LEU:HD21	1:168:A:ILE:HG23	20	1.23	0.04	1.22
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG21	20	1.23	0.04	1.22
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	20	1.23	0.15	1.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	20	1.23	0.15	1.16
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	20	1.23	0.15	1.16
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	20	1.22	0.04	1.21
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	20	1.22	0.04	1.21
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD13	20	1.22	0.04	1.21
(1,3657)	1:195:A:LEU:HD11	1:195:A:LEU:HB3	20	1.2	0.02	1.2
(1,3657)	1:195:A:LEU:HD13	1:195:A:LEU:HB3	20	1.2	0.02	1.2
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	20	1.2	0.02	1.2
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	20	1.18	0.06	1.18
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	20	1.18	0.02	1.18
(1,4142)	1:171:A:THR:HG23	1:169:A:ASP:H	20	1.18	0.02	1.18
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	20	1.18	0.02	1.18
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE2	20	1.17	0.11	1.21
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	20	1.17	0.11	1.21
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	20	1.17	0.11	1.21
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	20	1.16	0.2	1.06
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	20	1.16	0.05	1.17
(1,417)	1:45:A:LEU:HD21	1:63:A:ALA:HA	20	1.16	0.05	1.15
(1,417)	1:45:A:LEU:HD23	1:63:A:ALA:HA	20	1.16	0.05	1.15
(1,417)	1:45:A:LEU:HD22	1:60:A:GLN:HA	20	1.16	0.05	1.15
(1,417)	1:45:A:LEU:HD21	1:60:A:GLN:HA	20	1.16	0.05	1.15
(1,417)	1:45:A:LEU:HD22	1:63:A:ALA:HA	20	1.16	0.05	1.15
(1,417)	1:45:A:LEU:HD23	1:60:A:GLN:HA	20	1.16	0.05	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	20	1.15	0.03	1.15
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	20	1.15	0.09	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	20	1.15	0.09	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD23	20	1.15	0.09	1.19
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	20	1.14	0.09	1.15
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD13	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB2	1:201:A:LEU:HD11	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD13	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD12	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD11	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD11	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB2	1:201:A:LEU:HD13	20	1.14	0.03	1.14
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD12	20	1.14	0.03	1.14
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	20	1.13	0.06	1.12
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	20	1.13	0.06	1.14
(1,3033)	1:232:A:ALA:HB2	1:226:A:TYR:HB3	20	1.13	0.06	1.14
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	20	1.13	0.06	1.14
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	20	1.13	0.01	1.13
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	20	1.12	0.01	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	20	1.12	0.01	1.12
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	20	1.12	0.01	1.12
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	20	1.12	0.27	1.26
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	20	1.12	0.27	1.26
(1,3837)	1:239:A:LEU:HD12	1:238:A:GLN:HG2	20	1.12	0.27	1.26
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	20	1.12	0.11	1.14
(1,1617)	1:77:A:VAL:HG12	1:106:A:GLN:HE21	20	1.12	0.08	1.08
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	20	1.12	0.08	1.08
(1,1617)	1:77:A:VAL:HG13	1:106:A:GLN:HE21	20	1.12	0.08	1.08
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	20	1.11	0.04	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	20	1.11	0.04	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD13	20	1.11	0.04	1.1
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	20	1.11	0.12	1.17
(1,506)	1:230:A:PRO:HG3	1:153:A:ILE:HG13	20	1.11	0.12	1.17
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	20	1.1	0.02	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	20	1.1	0.02	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD12	20	1.1	0.02	1.1
(1,2941)	1:83:A:LEU:HD23	1:80:A:PHE:HB3	20	1.1	0.03	1.1
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	20	1.1	0.03	1.1
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	20	1.1	0.03	1.1
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	20	1.1	0.13	1.08
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	20	1.1	0.13	1.08
(1,1541)	1:79:A:LEU:HD23	1:75:A:GLN:HE22	20	1.1	0.13	1.08
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	20	1.09	0.02	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	20	1.08	0.03	1.09
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	20	1.08	0.12	1.11
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG21	20	1.08	0.13	1.04
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	20	1.08	0.13	1.04
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG22	20	1.08	0.13	1.04
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	20	1.08	0.01	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	20	1.07	0.02	1.08
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	20	1.07	0.04	1.07
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	20	1.07	0.02	1.08
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD23	20	1.07	0.02	1.08
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	20	1.07	0.02	1.08
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	20	1.06	0.16	1.06
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	20	1.06	0.02	1.05
(1,2576)	1:149:A:LEU:HD11	1:202:A:GLN:HE22	20	1.06	0.02	1.05
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	20	1.06	0.02	1.05
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	20	1.05	0.18	1.09
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	20	1.05	0.01	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD13	20	1.05	0.01	1.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	20	1.05	0.01	1.05
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	20	1.05	0.09	1.03
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD12	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD12	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD13	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD12	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD11	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD13	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD11	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD11	20	1.04	0.06	1.04
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD13	20	1.04	0.06	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	20	1.04	0.01	1.04
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	20	1.03	0.05	1.04
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	20	1.03	0.03	1.03
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	20	1.03	0.03	1.03
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	20	1.03	0.03	1.03
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	20	1.03	0.21	0.94
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD12	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD12	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD13	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD11	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD13	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD13	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD11	20	1.02	0.05	1.04
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD11	20	1.02	0.05	1.04
(1,534)	1:204:A:VAL:HG11	1:201:A:LEU:H	20	1.02	0.07	1.02
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	20	1.02	0.07	1.02
(1,534)	1:204:A:VAL:HG12	1:201:A:LEU:H	20	1.02	0.07	1.02
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	20	1.01	0.01	1.0
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	20	1.01	0.1	1.02
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	20	1.01	0.1	1.02
(1,3939)	1:235:A:LEU:HD22	1:223:A:GLN:HB2	20	1.01	0.1	1.02
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	20	1.0	0.01	1.01
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	20	1.0	0.08	1.02
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	20	1.0	0.08	1.02
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	20	1.0	0.08	1.02
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	20	1.0	0.02	1.0
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	20	0.99	0.05	1.01
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	20	0.99	0.05	1.01
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	20	0.99	0.05	1.01
(1,1706)	1:119:A:ILE:HG23	1:132:A:TYR:HB3	20	0.99	0.03	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	20	0.99	0.03	1.0
(1,1706)	1:119:A:ILE:HG21	1:132:A:TYR:HB3	20	0.99	0.03	1.0
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	20	0.99	0.25	1.11
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	20	0.99	0.05	0.99
(1,3032)	1:232:A:ALA:HB1	1:227:A:PRO:HB2	20	0.99	0.05	0.99
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	20	0.99	0.05	0.99
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	20	0.99	0.06	0.99
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	20	0.99	0.06	0.99
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	20	0.99	0.06	0.99
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	20	0.98	0.09	0.97
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	20	0.98	0.09	0.97
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD22	20	0.98	0.09	0.97
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	20	0.98	0.06	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	20	0.98	0.06	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	20	0.98	0.06	0.98
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	20	0.98	0.14	1.03
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	20	0.98	0.14	1.03
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	20	0.98	0.14	1.03
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	20	0.98	0.06	0.98
(1,2443)	1:175:A:LEU:HD21	1:172:A:TRP:HB3	20	0.98	0.06	0.98
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	20	0.98	0.06	0.98
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	20	0.97	0.07	0.99
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	20	0.97	0.08	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD13	20	0.97	0.08	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	20	0.97	0.08	0.95
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	20	0.97	0.02	0.97
(1,2910)	1:199:A:LEU:HD21	1:171:A:THR:HG23	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG22	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG21	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG21	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG23	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG22	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD21	1:171:A:THR:HG21	20	0.97	0.05	0.96
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG23	20	0.97	0.05	0.96
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	20	0.96	0.69	1.57
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	20	0.96	0.04	0.96
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	20	0.96	0.03	0.96
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG23	20	0.95	0.01	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	20	0.95	0.01	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	20	0.95	0.01	0.95
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	20	0.95	0.13	0.96
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	20	0.95	0.13	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3757)	1:152:A:LEU:HD21	1:155:A:GLN:HG3	20	0.95	0.13	0.96
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	20	0.95	0.18	0.98
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	20	0.95	0.18	0.98
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG21	20	0.95	0.18	0.98
(1,3633)	1:77:A:VAL:HG22	1:80:A:PHE:HB2	20	0.94	0.05	0.94
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	20	0.94	0.05	0.94
(1,3633)	1:77:A:VAL:HG23	1:80:A:PHE:HB2	20	0.94	0.05	0.94
(1,1801)	1:57:A:ILE:HD11	1:84:A:PRO:HD3	20	0.94	0.03	0.93
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	20	0.94	0.03	0.93
(1,1801)	1:57:A:ILE:HD13	1:84:A:PRO:HD3	20	0.94	0.03	0.93
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	20	0.94	0.02	0.94
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	20	0.94	0.02	0.94
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD22	20	0.94	0.02	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	20	0.93	0.03	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD11	20	0.93	0.03	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	20	0.93	0.03	0.94
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	20	0.93	0.05	0.92
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	20	0.93	0.03	0.92
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	20	0.93	0.03	0.92
(1,3675)	1:100:A:VAL:HG12	1:113:A:GLN:HE21	20	0.93	0.03	0.92
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	20	0.92	0.24	0.84
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	20	0.92	0.17	0.94
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	20	0.91	0.04	0.92
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	20	0.9	0.02	0.9
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	20	0.9	0.15	0.92
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	20	0.9	0.04	0.91
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	20	0.89	0.05	0.89
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	20	0.89	0.03	0.88
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	20	0.89	0.03	0.88
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB3	20	0.89	0.03	0.88
(1,344)	1:57:A:ILE:HD13	1:61:A:LEU:H	20	0.89	0.08	0.87
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	20	0.89	0.08	0.87
(1,344)	1:57:A:ILE:HD12	1:61:A:LEU:H	20	0.89	0.08	0.87
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB3	20	0.89	0.13	0.94
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	20	0.89	0.13	0.94
(1,341)	1:154:A:ALA:HB3	1:150:A:ARG:HB3	20	0.89	0.13	0.94
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB2	20	0.89	0.13	0.94
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	20	0.89	0.02	0.88
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	20	0.88	0.04	0.88
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD23	20	0.88	0.04	0.88
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	20	0.88	0.04	0.88
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	20	0.88	0.06	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	20	0.88	0.06	0.9
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD22	20	0.88	0.06	0.9
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	20	0.86	0.03	0.87
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	20	0.86	0.02	0.86
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	20	0.86	0.02	0.86
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD22	20	0.86	0.02	0.86
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	20	0.85	0.08	0.86
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	20	0.85	0.06	0.86
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD22	20	0.85	0.07	0.84
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	20	0.85	0.07	0.84
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	20	0.85	0.07	0.84
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	20	0.85	0.06	0.86
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	20	0.85	0.03	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD13	20	0.85	0.03	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	20	0.85	0.03	0.84
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	20	0.85	0.07	0.85
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	20	0.85	0.07	0.85
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD11	20	0.85	0.07	0.85
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	20	0.84	0.07	0.86
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	20	0.84	0.07	0.86
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	20	0.84	0.07	0.86
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	20	0.84	0.03	0.84
(1,2349)	1:158:A:LEU:HD12	1:126:A:GLN:H	20	0.84	0.03	0.84
(1,2349)	1:158:A:LEU:HD13	1:126:A:GLN:H	20	0.84	0.03	0.84
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	20	0.84	0.01	0.84
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	20	0.84	0.01	0.84
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	20	0.84	0.01	0.84
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	20	0.84	0.21	0.9
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	20	0.84	0.02	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	20	0.84	0.02	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	20	0.84	0.02	0.85
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	20	0.84	0.05	0.86
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	20	0.84	0.04	0.84
(1,610)	1:150:A:ARG:H	1:195:A:LEU:HD21	20	0.84	0.04	0.84
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	20	0.84	0.04	0.84
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	20	0.84	0.04	0.84
(1,610)	1:150:A:ARG:H	1:195:A:LEU:HD22	20	0.84	0.04	0.84
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	20	0.84	0.14	0.82
(1,652)	1:175:A:LEU:H	1:178:A:MET:HE2	20	0.84	0.14	0.82
(1,652)	1:175:A:LEU:H	1:178:A:MET:HE1	20	0.84	0.14	0.82
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	20	0.84	0.05	0.84
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB1	20	0.84	0.03	0.84

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB3	20	0.84	0.03	0.84
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB3	20	0.84	0.03	0.84
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB2	20	0.84	0.03	0.84
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB3	20	0.84	0.03	0.84
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB1	20	0.84	0.03	0.84
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB1	20	0.84	0.03	0.84
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB2	20	0.84	0.03	0.84
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	20	0.83	0.02	0.82
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	20	0.83	0.12	0.86
(1,2948)	1:83:A:LEU:HD23	1:98:A:LEU:H	20	0.83	0.05	0.84
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	20	0.83	0.05	0.84
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	20	0.83	0.05	0.84
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	20	0.82	0.08	0.82
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	20	0.82	0.14	0.81
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	20	0.82	0.03	0.82
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG23	20	0.82	0.03	0.82
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	20	0.82	0.03	0.82
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	20	0.82	0.39	1.06
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	20	0.82	0.03	0.82
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	20	0.82	0.06	0.82
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	20	0.82	0.06	0.82
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD22	20	0.82	0.06	0.82
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	20	0.82	0.07	0.83
(1,490)	1:195:A:LEU:HD23	1:191:A:ASP:H	20	0.82	0.07	0.83
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD21	20	0.81	0.03	0.81
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	20	0.81	0.03	0.81
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	20	0.81	0.03	0.81
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	20	0.81	0.04	0.82
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	20	0.8	0.1	0.81
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	20	0.8	0.1	0.81
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	20	0.8	0.1	0.81
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	20	0.8	0.02	0.8
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	20	0.8	0.03	0.8
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	20	0.8	0.03	0.8
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	20	0.8	0.03	0.8
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	20	0.8	0.18	0.84
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	20	0.79	0.51	0.5
(1,1604)	1:185:A:THR:HG22	1:182:A:GLN:HE21	20	0.79	0.51	0.5
(1,1604)	1:185:A:THR:HG21	1:182:A:GLN:HE21	20	0.79	0.51	0.5
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	20	0.79	0.06	0.78
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	20	0.79	0.06	0.78
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	20	0.79	0.06	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	20	0.79	0.02	0.78
(1,2455)	1:175:A:LEU:HD23	1:172:A:TRP:HZ2	20	0.79	0.02	0.78
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	20	0.79	0.02	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	20	0.78	0.03	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	20	0.78	0.03	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB2	20	0.78	0.03	0.78
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	20	0.78	0.25	0.72
(1,3780)	1:149:A:LEU:HD13	1:150:A:ARG:HD3	20	0.78	0.25	0.72
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	20	0.78	0.25	0.72
(1,493)	1:68:A:VAL:HG23	1:98:A:LEU:HA	20	0.78	0.07	0.78
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	20	0.78	0.07	0.78
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	20	0.78	0.07	0.78
(1,1964)	1:104:A:LEU:HD23	1:138:A:ASP:HB2	20	0.78	0.01	0.78
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	20	0.78	0.01	0.78
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	20	0.78	0.01	0.78
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	20	0.78	0.03	0.77
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	20	0.78	0.01	0.78
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG23	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD11	1:171:A:THR:HG22	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG23	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG22	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG21	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG21	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG22	20	0.78	0.03	0.78
(1,2778)	1:175:A:LEU:HD11	1:171:A:THR:HG21	20	0.78	0.03	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	20	0.77	0.01	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	20	0.77	0.01	0.78
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	20	0.77	0.06	0.78
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	20	0.77	0.06	0.78
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	20	0.77	0.06	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	20	0.77	0.01	0.78
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	20	0.77	0.14	0.78
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	20	0.77	0.72	0.26
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	20	0.77	0.11	0.8
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	20	0.77	0.11	0.8
(1,1757)	1:64:A:ILE:HD12	1:64:A:ILE:H	20	0.76	0.02	0.76
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	20	0.76	0.02	0.76
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	20	0.76	0.02	0.76
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	20	0.76	0.02	0.77
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	20	0.76	0.02	0.77
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	20	0.76	0.02	0.77
(1,3756)	1:152:A:LEU:HD23	1:149:A:LEU:HB2	20	0.76	0.02	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	20	0.76	0.06	0.74
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	20	0.76	0.06	0.74
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	20	0.76	0.06	0.74
(1,428)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	20	0.76	0.09	0.76
(1,428)	1:39:A:ALA:HB1	1:44:A:TYR:HD1	20	0.76	0.09	0.76
(1,428)	1:39:A:ALA:HB3	1:44:A:TYR:HD1	20	0.76	0.09	0.76
(1,428)	1:39:A:ALA:HB2	1:44:A:TYR:HD1	20	0.76	0.09	0.76
(1,428)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	20	0.76	0.09	0.76
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	20	0.76	0.09	0.76
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	20	0.76	0.75	0.18
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	20	0.76	0.04	0.76
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	20	0.76	0.02	0.76
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	20	0.76	0.02	0.76
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	20	0.76	0.02	0.76
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	20	0.76	0.02	0.77
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	20	0.76	0.02	0.77
(1,1738)	1:153:A:ILE:HG23	1:153:A:ILE:HG13	20	0.76	0.02	0.77
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	20	0.76	0.02	0.76
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB2	20	0.76	0.02	0.76
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	20	0.76	0.02	0.76
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	20	0.76	0.04	0.78
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	20	0.76	0.04	0.78
(1,2706)	1:194:A:ILE:HD11	1:196:A:GLN:HE22	20	0.76	0.06	0.76
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	20	0.76	0.06	0.76
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	20	0.76	0.06	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	20	0.75	0.01	0.76
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	20	0.75	0.01	0.75
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	20	0.75	0.01	0.75
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB2	20	0.75	0.01	0.75
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	20	0.74	0.06	0.74
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	20	0.74	0.06	0.74
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB2	20	0.74	0.06	0.74
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	20	0.74	0.09	0.78
(1,2343)	1:199:A:LEU:HD21	1:197:A:GLY:H	20	0.74	0.04	0.76
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	20	0.74	0.04	0.76
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	20	0.74	0.04	0.76
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	20	0.74	0.02	0.74
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	20	0.74	0.02	0.74
(1,3036)	1:96:A:THR:HG23	1:98:A:LEU:H	20	0.74	0.02	0.74
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	20	0.74	0.04	0.74
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	20	0.74	0.04	0.74
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD22	20	0.74	0.04	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	20	0.74	0.06	0.74
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	20	0.74	0.07	0.76
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	20	0.74	0.07	0.76
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	20	0.74	0.07	0.76
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	20	0.74	0.03	0.74
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB1	20	0.74	0.03	0.74
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	20	0.74	0.03	0.74
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD11	20	0.74	0.06	0.76
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD12	20	0.74	0.06	0.76
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	20	0.74	0.06	0.76
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	20	0.74	0.04	0.74
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	20	0.74	0.02	0.74
(1,3624)	1:175:A:LEU:HD13	1:178:A:MET:HG3	20	0.74	0.02	0.74
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	20	0.74	0.02	0.74
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	20	0.73	0.01	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB3	20	0.73	0.01	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	20	0.73	0.01	0.73
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	20	0.73	0.02	0.73
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	20	0.73	0.02	0.73
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	20	0.73	0.02	0.74
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	20	0.73	0.02	0.74
(1,2256)	1:239:A:LEU:HD22	1:243:A:LYS:H	20	0.73	0.02	0.74
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	20	0.73	0.14	0.72
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	20	0.73	0.14	0.72
(1,2226)	1:55:A:THR:HG22	1:58:A:ASN:HB2	20	0.73	0.14	0.72
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	20	0.73	0.07	0.74
(1,474)	1:39:A:ALA:HA	1:40:A:ASP:HB3	20	0.73	0.07	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	20	0.73	0.02	0.74
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	20	0.73	0.05	0.74
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD21	20	0.73	0.03	0.72
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	20	0.73	0.03	0.72
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	20	0.73	0.03	0.72
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	20	0.73	0.02	0.73
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	20	0.72	0.05	0.74
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	20	0.72	0.01	0.72
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	20	0.72	0.04	0.71
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	20	0.72	0.04	0.71
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB3	20	0.72	0.04	0.71
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG21	20	0.72	0.04	0.72
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	20	0.72	0.04	0.72
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG22	20	0.72	0.04	0.72
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	20	0.72	0.05	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	20	0.72	0.02	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	20	0.72	0.02	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD13	20	0.72	0.02	0.71
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	20	0.72	0.01	0.72
(1,222)	1:164:A:LYS:HA	1:167:A:ASN:HA	20	0.72	0.01	0.72
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	20	0.72	0.05	0.72
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	20	0.72	0.01	0.71
(1,1531)	1:116:A:LEU:HD13	1:136:A:LYS:HE3	20	0.72	0.01	0.71
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	20	0.72	0.01	0.71
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	20	0.71	0.04	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	20	0.71	0.04	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD12	20	0.71	0.04	0.7
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG21	20	0.71	0.04	0.71
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	20	0.71	0.04	0.71
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	20	0.71	0.04	0.71
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD12	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD12	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD12	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD13	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD11	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD11	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD13	20	0.71	0.03	0.71
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD13	20	0.71	0.03	0.71
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	20	0.71	0.13	0.71
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	20	0.71	0.04	0.71
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG11	20	0.71	0.04	0.71
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	20	0.71	0.04	0.71
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	20	0.71	0.04	0.7
(1,2702)	1:168:A:ILE:HD12	1:222:A:TRP:HH2	20	0.71	0.04	0.7
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	20	0.71	0.04	0.7
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	20	0.7	0.03	0.7
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	20	0.7	0.03	0.7
(1,4218)	1:137:A:ILE:HD13	1:133:A:TRP:HZ3	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD11	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD11	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB3	1:102:A:ILE:HD12	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD13	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD12	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD13	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB3	1:102:A:ILE:HD11	20	0.7	0.03	0.7
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD12	20	0.7	0.03	0.7
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	20	0.7	0.02	0.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	20	0.7	0.02	0.71
(1,3023)	1:174:A:ALA:HB2	1:172:A:TRP:H	20	0.7	0.02	0.71
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	20	0.7	0.32	0.76
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	20	0.7	0.32	0.76
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD12	20	0.7	0.32	0.76
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	20	0.7	0.03	0.7
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	20	0.7	0.03	0.7
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	20	0.7	0.03	0.7
(1,3576)	1:104:A:LEU:HD11	1:100:A:VAL:HA	20	0.7	0.03	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	20	0.7	0.0	0.7
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	20	0.7	0.01	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	20	0.7	0.01	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD13	20	0.7	0.01	0.69
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	20	0.69	0.02	0.69
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	20	0.69	0.02	0.69
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	20	0.69	0.02	0.69
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	20	0.69	0.08	0.66
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	20	0.69	0.01	0.69
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	20	0.69	0.04	0.69
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	20	0.69	0.04	0.69
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG23	20	0.69	0.04	0.69
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	20	0.69	0.03	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG23	20	0.69	0.03	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	20	0.69	0.03	0.68
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	20	0.69	0.07	0.7
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	20	0.69	0.07	0.7
(1,339)	1:137:A:ILE:HG22	1:140:A:SER:HB2	20	0.69	0.07	0.7
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	20	0.69	0.02	0.68
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	20	0.69	0.05	0.68
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	20	0.69	0.05	0.68
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD22	20	0.69	0.05	0.68
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD13	20	0.68	0.03	0.68
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	20	0.68	0.03	0.68
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	20	0.68	0.03	0.68
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	20	0.68	0.04	0.68
(1,2493)	1:168:A:ILE:HD13	1:165:A:GLN:HA	20	0.68	0.04	0.68
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	20	0.68	0.04	0.68
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	20	0.67	0.11	0.68
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB3	20	0.67	0.11	0.68
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB1	20	0.67	0.11	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	20	0.67	0.01	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	20	0.67	0.01	0.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	20	0.67	0.01	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD23	20	0.67	0.01	0.68
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	20	0.67	0.32	0.49
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	20	0.67	0.32	0.49
(1,2136)	1:102:A:ILE:HD12	1:106:A:GLN:HE21	20	0.67	0.32	0.49
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	20	0.67	0.04	0.66
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	20	0.67	0.02	0.66
(1,1642)	1:151:A:ALA:HB1	1:138:A:ASP:H	20	0.67	0.02	0.66
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	20	0.67	0.02	0.66
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	20	0.67	0.04	0.67
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD12	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD13	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD11	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD11	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD12	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD11	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD13	20	0.67	0.04	0.68
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD12	20	0.67	0.04	0.68
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG12	20	0.66	0.04	0.66
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	20	0.66	0.04	0.66
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG13	20	0.66	0.04	0.66
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB2	20	0.66	0.04	0.68
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	20	0.66	0.04	0.68
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	20	0.66	0.04	0.68
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	20	0.66	0.02	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	20	0.66	0.02	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG23	20	0.66	0.02	0.66
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	20	0.66	0.04	0.66
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	20	0.66	0.04	0.66
(1,3997)	1:240:A:VAL:HG11	1:237:A:THR:HB	20	0.66	0.04	0.66
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	20	0.66	0.03	0.64
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	20	0.66	0.03	0.64
(1,3943)	1:96:A:THR:HG23	1:132:A:TYR:HE2	20	0.66	0.03	0.64
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	20	0.66	0.05	0.66
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	20	0.66	0.05	0.66
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD23	20	0.66	0.05	0.66
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	20	0.65	0.06	0.68
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	20	0.65	0.06	0.68
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD11	20	0.65	0.06	0.68
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	20	0.65	0.02	0.66
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB1	20	0.65	0.02	0.66
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	20	0.65	0.02	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	20	0.65	0.03	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	20	0.65	0.03	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG23	20	0.65	0.03	0.66
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	20	0.65	0.02	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	20	0.65	0.02	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG21	20	0.65	0.02	0.65
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	20	0.65	0.02	0.66
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	20	0.65	0.02	0.66
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	20	0.65	0.02	0.66
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	20	0.65	0.02	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG21	20	0.65	0.02	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG22	20	0.65	0.02	0.64
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	20	0.65	0.11	0.68
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	20	0.65	0.11	0.68
(1,2017)	1:57:A:ILE:HG21	1:53:A:ASP:HB3	20	0.65	0.11	0.68
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	20	0.64	0.06	0.66
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	20	0.64	0.06	0.66
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD13	20	0.64	0.06	0.66
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	20	0.64	0.25	0.79
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	20	0.64	0.06	0.66
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	20	0.64	0.06	0.66
(1,3598)	1:152:A:LEU:HD22	1:153:A:ILE:HB	20	0.64	0.06	0.66
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	20	0.64	0.1	0.64
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	20	0.64	0.1	0.64
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG22	20	0.64	0.1	0.64
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD12	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD12	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD12	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD13	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD11	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD11	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD13	20	0.64	0.07	0.66
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD13	20	0.64	0.07	0.66
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG12	20	0.64	0.07	0.62
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	20	0.64	0.07	0.62
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG13	20	0.64	0.07	0.62
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	20	0.64	0.03	0.64
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	20	0.64	0.03	0.64
(1,4176)	1:159:A:LEU:HD21	1:164:A:LYS:HE2	20	0.64	0.03	0.64
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD13	20	0.64	0.04	0.62
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD11	20	0.64	0.04	0.62
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD13	20	0.64	0.04	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD13	20	0.64	0.04	0.62
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD11	20	0.64	0.04	0.62
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD12	20	0.64	0.04	0.62
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD12	20	0.64	0.04	0.62
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD12	20	0.64	0.04	0.62
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	20	0.64	0.02	0.64
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	20	0.64	0.02	0.64
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG22	20	0.64	0.02	0.64
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	20	0.63	0.03	0.63
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	20	0.63	0.03	0.63
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB1	20	0.63	0.03	0.63
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	20	0.63	0.05	0.63
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB2	20	0.63	0.05	0.63
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	20	0.63	0.05	0.63
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	20	0.63	0.04	0.64
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	20	0.63	0.04	0.64
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD12	20	0.63	0.04	0.64
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	20	0.63	0.05	0.63
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	20	0.63	0.05	0.63
(1,494)	1:185:A:THR:HG22	1:186:A:LEU:HG	20	0.63	0.05	0.63
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	20	0.63	0.07	0.63
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG22	20	0.63	0.07	0.63
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG21	20	0.63	0.07	0.63
(1,392)	1:98:A:LEU:HD12	1:65:A:ARG:HA	20	0.63	0.07	0.63
(1,392)	1:98:A:LEU:HD11	1:65:A:ARG:HA	20	0.63	0.07	0.63
(1,392)	1:98:A:LEU:HD13	1:65:A:ARG:HA	20	0.63	0.07	0.63
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	20	0.63	0.05	0.63
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	20	0.63	0.04	0.63
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	20	0.63	0.04	0.63
(1,423)	1:102:A:ILE:HD11	1:64:A:ILE:HB	20	0.63	0.04	0.63
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	20	0.63	0.03	0.64
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	20	0.63	0.03	0.64
(1,2771)	1:235:A:LEU:HD23	1:222:A:TRP:HZ2	20	0.63	0.03	0.64
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	20	0.62	0.02	0.62
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	20	0.62	0.02	0.62
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	20	0.62	0.02	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	20	0.62	0.03	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	20	0.62	0.03	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	20	0.62	0.03	0.62
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	20	0.62	0.05	0.64
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	20	0.62	0.05	0.64
(1,371)	1:243:A:LYS:HE3	1:243:A:LYS:HD3	20	0.62	0.05	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD2	20	0.62	0.05	0.64
(1,371)	1:224:A:LYS:HE3	1:224:A:LYS:HD2	20	0.62	0.05	0.64
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	20	0.62	0.11	0.6
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	20	0.62	0.01	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD11	20	0.62	0.01	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	20	0.62	0.01	0.62
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	20	0.62	0.4	0.34
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	20	0.62	0.04	0.63
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	20	0.62	0.06	0.62
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	20	0.62	0.06	0.62
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	20	0.62	0.06	0.62
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	20	0.62	0.04	0.62
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	20	0.62	0.03	0.63
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	20	0.62	0.03	0.63
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	20	0.62	0.03	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	20	0.62	0.01	0.62
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	20	0.62	0.04	0.62
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	20	0.62	0.04	0.62
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD23	20	0.62	0.04	0.62
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG23	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG22	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG23	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG23	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG22	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG21	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG21	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG21	20	0.62	0.08	0.63
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG22	20	0.62	0.08	0.63
(1,2946)	1:83:A:LEU:HD21	1:64:A:ILE:H	20	0.62	0.04	0.62
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	20	0.62	0.04	0.62
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	20	0.62	0.04	0.62
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	20	0.62	0.02	0.62
(1,4106)	1:151:A:ALA:HB3	1:136:A:LYS:HE2	20	0.62	0.02	0.62
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	20	0.62	0.02	0.62
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	20	0.62	0.05	0.61
(1,1668)	1:31:A:ALA:HB2	1:30:A:THR:H	20	0.62	0.05	0.61
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	20	0.62	0.05	0.61
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	20	0.62	0.23	0.44
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	20	0.62	0.04	0.62
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	20	0.62	0.02	0.61
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	20	0.62	0.02	0.61
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	20	0.62	0.02	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE1	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE3	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE3	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE1	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE2	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD23	1:48:A:MET:HE1	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE2	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD23	1:48:A:MET:HE2	20	0.62	0.05	0.62
(1,3636)	1:45:A:LEU:HD23	1:48:A:MET:HE3	20	0.62	0.05	0.62
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	20	0.61	0.03	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG21	20	0.61	0.03	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	20	0.61	0.03	0.6
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	20	0.61	0.01	0.62
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	20	0.61	0.03	0.6
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	20	0.61	0.06	0.62
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB2	20	0.61	0.02	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	20	0.61	0.02	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB3	20	0.61	0.02	0.61
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB3	20	0.61	0.02	0.61
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB2	20	0.61	0.02	0.61
(1,2131)	1:153:A:ILE:HG22	1:154:A:ALA:HB1	20	0.61	0.02	0.61
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB1	20	0.61	0.02	0.61
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	20	0.61	0.07	0.61
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB2	20	0.61	0.07	0.61
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB1	20	0.61	0.07	0.61
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	20	0.61	0.12	0.58
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	20	0.61	0.12	0.58
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE1	20	0.61	0.12	0.58
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	20	0.61	0.08	0.6
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	20	0.61	0.05	0.6
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	20	0.61	0.05	0.6
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD21	20	0.61	0.05	0.6
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	20	0.6	0.06	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	20	0.6	0.03	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	20	0.6	0.03	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	20	0.6	0.03	0.61
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	20	0.6	0.09	0.64
(1,370)	1:69:A:LYS:HE3	1:69:A:LYS:HD2	20	0.6	0.09	0.64
(1,370)	1:69:A:LYS:HE2	1:69:A:LYS:HD3	20	0.6	0.09	0.64
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	20	0.6	0.03	0.6
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD13	20	0.6	0.03	0.6
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD11	20	0.6	0.03	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	20	0.6	0.02	0.6
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	20	0.6	0.02	0.6
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD13	20	0.6	0.02	0.6
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD12	20	0.6	0.02	0.6
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	20	0.6	0.02	0.6
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	20	0.6	0.02	0.6
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	20	0.6	0.07	0.61
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	20	0.6	0.07	0.61
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	20	0.6	0.07	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	20	0.6	0.02	0.6
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	20	0.6	0.02	0.6
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD12	20	0.6	0.02	0.6
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	20	0.59	0.01	0.59
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	20	0.59	0.06	0.6
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	20	0.59	0.26	0.58
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	20	0.59	0.62	0.36
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	20	0.59	0.02	0.59
(1,2452)	1:175:A:LEU:HD22	1:199:A:LEU:H	20	0.59	0.02	0.59
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	20	0.59	0.02	0.59
(1,2947)	1:83:A:LEU:HD23	1:80:A:PHE:H	20	0.59	0.04	0.58
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	20	0.59	0.04	0.58
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	20	0.59	0.04	0.58
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	20	0.59	0.01	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	20	0.59	0.01	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG22	20	0.59	0.01	0.59
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	20	0.59	0.02	0.58
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	20	0.58	0.03	0.58
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	20	0.58	0.03	0.58
(1,3573)	1:195:A:LEU:HD23	1:196:A:GLN:H	20	0.58	0.03	0.58
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	20	0.58	0.05	0.6
(1,2578)	1:235:A:LEU:HD11	1:233:A:LYS:H	20	0.58	0.05	0.6
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	20	0.58	0.05	0.6
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	20	0.58	0.12	0.57
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	20	0.58	0.04	0.58
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	20	0.58	0.04	0.58
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	20	0.58	0.04	0.58
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	20	0.58	0.07	0.6
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD21	20	0.58	0.02	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	20	0.58	0.02	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	20	0.58	0.02	0.57
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	20	0.58	0.15	0.52
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	20	0.58	0.01	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	20	0.58	0.04	0.58
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	20	0.58	0.02	0.58
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	20	0.58	0.02	0.58
(1,4241)	1:201:A:LEU:HD13	1:222:A:TRP:H	20	0.58	0.02	0.58
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	20	0.58	0.09	0.57
(1,471)	1:205:A:TRP:HA	1:206:A:PHE:HA	20	0.58	0.09	0.57
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	20	0.58	0.11	0.56
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	20	0.58	0.01	0.57
(1,2602)	1:116:A:LEU:HD11	1:100:A:VAL:HA	20	0.58	0.01	0.57
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	20	0.58	0.01	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	20	0.57	0.01	0.57
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	20	0.57	0.06	0.6
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	20	0.57	0.06	0.6
(1,1783)	1:188:A:ILE:HD12	1:196:A:GLN:HE22	20	0.57	0.06	0.6
(1,3891)	1:62:A:LEU:HD13	1:44:A:TYR:HD2	20	0.57	0.16	0.6
(1,3891)	1:62:A:LEU:HD12	1:44:A:TYR:HD2	20	0.57	0.16	0.6
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	20	0.57	0.16	0.6
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	20	0.57	0.03	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG22	20	0.57	0.03	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	20	0.57	0.03	0.56
(1,1802)	1:57:A:ILE:HD11	1:54:A:ASP:HB3	20	0.57	0.14	0.61
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	20	0.57	0.14	0.61
(1,1802)	1:57:A:ILE:HD13	1:54:A:ASP:HB3	20	0.57	0.14	0.61
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	20	0.57	0.03	0.58
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	20	0.57	0.03	0.58
(1,3713)	1:57:A:ILE:HG23	1:59:A:TRP:H	20	0.57	0.03	0.58
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD22	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD23	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD21	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD21	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD23	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD22	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD23	20	0.57	0.02	0.57
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD22	20	0.57	0.02	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	20	0.57	0.02	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	20	0.57	0.02	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	20	0.57	0.02	0.57
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	20	0.57	0.02	0.57
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	20	0.57	0.02	0.57
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	20	0.57	0.02	0.57
(1,4522)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	20	0.57	0.07	0.57
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	20	0.57	0.07	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	20	0.57	0.07	0.57
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	20	0.57	0.06	0.59
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	20	0.57	0.04	0.56
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	20	0.57	0.04	0.56
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	20	0.57	0.04	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	20	0.56	0.02	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	20	0.56	0.02	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD11	20	0.56	0.02	0.56
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	20	0.56	0.1	0.61
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	20	0.56	0.1	0.61
(1,441)	1:66:A:ALA:HB1	1:44:A:TYR:HB2	20	0.56	0.1	0.61
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	20	0.56	0.09	0.55
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	20	0.56	0.09	0.55
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	20	0.56	0.09	0.55
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	20	0.56	0.05	0.56
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	20	0.56	0.05	0.56
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD23	20	0.56	0.05	0.56
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	20	0.56	0.1	0.54
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	20	0.56	0.03	0.56
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	20	0.56	0.02	0.56
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	20	0.56	0.02	0.56
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	20	0.56	0.02	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	20	0.56	0.02	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	20	0.56	0.02	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG22	20	0.56	0.02	0.56
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	20	0.56	0.03	0.56
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	20	0.56	0.03	0.56
(1,3596)	1:152:A:LEU:HD23	1:149:A:LEU:H	20	0.56	0.03	0.56
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	20	0.56	0.05	0.57
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	20	0.56	0.05	0.57
(1,2630)	1:124:A:LEU:HD12	1:126:A:GLN:HE21	20	0.56	0.05	0.57
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	20	0.56	0.01	0.56
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	20	0.56	0.03	0.56
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	20	0.56	0.03	0.56
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG21	20	0.56	0.03	0.56
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	20	0.56	0.04	0.57
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	20	0.56	0.04	0.57
(1,2769)	1:239:A:LEU:HD12	1:239:A:LEU:HA	20	0.56	0.04	0.57
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	20	0.55	0.04	0.56
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	20	0.55	0.02	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	20	0.55	0.04	0.55
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	20	0.55	0.02	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	20	0.55	0.02	0.56
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG22	20	0.55	0.02	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	20	0.55	0.02	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG23	20	0.55	0.02	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	20	0.55	0.02	0.56
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	20	0.55	0.05	0.57
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	20	0.55	0.05	0.57
(1,1735)	1:33:A:MET:HE3	1:61:A:LEU:H	20	0.55	0.05	0.57
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	20	0.55	0.03	0.55
(1,2449)	1:175:A:LEU:HD22	1:198:A:TRP:HD1	20	0.55	0.03	0.55
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	20	0.55	0.03	0.55
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	20	0.55	0.03	0.55
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD12	20	0.55	0.03	0.55
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	20	0.55	0.03	0.55
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	20	0.55	0.09	0.57
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	20	0.55	0.09	0.57
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD13	20	0.55	0.09	0.57
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	20	0.55	0.08	0.52
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	20	0.55	0.08	0.52
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	20	0.55	0.08	0.52
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	20	0.55	0.05	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	20	0.55	0.02	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	20	0.55	0.02	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	20	0.55	0.02	0.55
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	20	0.55	0.03	0.55
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	20	0.54	0.01	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	20	0.54	0.01	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB2	20	0.54	0.01	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	20	0.54	0.01	0.54
(1,2676)	1:102:A:ILE:HG23	1:80:A:PHE:HB2	20	0.54	0.05	0.54
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	20	0.54	0.05	0.54
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	20	0.54	0.05	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	20	0.54	0.01	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	20	0.54	0.01	0.54
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	20	0.54	0.14	0.51
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	20	0.54	0.01	0.54
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	20	0.54	0.04	0.54
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	20	0.54	0.03	0.54
(1,4251)	1:235:A:LEU:HD12	1:222:A:TRP:HH2	20	0.54	0.03	0.54
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	20	0.54	0.03	0.54
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	20	0.54	0.03	0.53
(1,2584)	1:235:A:LEU:HD12	1:223:A:GLN:H	20	0.54	0.03	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	20	0.54	0.03	0.53
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	20	0.53	0.06	0.52
(1,530)	1:129:A:GLN:HG3	1:122:A:ALA:HA	20	0.53	0.06	0.52
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	20	0.53	0.03	0.53
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	20	0.53	0.03	0.53
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	20	0.53	0.03	0.53
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	20	0.53	0.01	0.54
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB1	20	0.53	0.01	0.54
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	20	0.53	0.01	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	20	0.53	0.02	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	20	0.53	0.02	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD12	20	0.53	0.02	0.54
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	20	0.53	0.03	0.52
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	20	0.53	0.03	0.52
(1,2699)	1:102:A:ILE:HD13	1:80:A:PHE:HZ	20	0.53	0.03	0.52
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	20	0.53	0.03	0.53
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	20	0.53	0.03	0.53
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	20	0.53	0.03	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	20	0.53	0.02	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	20	0.53	0.02	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD21	20	0.53	0.02	0.53
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	20	0.53	0.06	0.54
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	20	0.53	0.06	0.54
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB2	20	0.53	0.06	0.54
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	20	0.53	0.02	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	20	0.53	0.01	0.53
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	20	0.53	0.08	0.51
(1,4220)	1:168:A:ILE:HD11	1:198:A:TRP:HH2	20	0.53	0.08	0.51
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	20	0.53	0.08	0.51
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	20	0.52	0.03	0.52
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD23	20	0.52	0.03	0.52
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	20	0.52	0.03	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	20	0.52	0.01	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG22	20	0.52	0.01	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	20	0.52	0.01	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE2	20	0.52	0.03	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	20	0.52	0.03	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	20	0.52	0.03	0.52
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG23	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG21	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG23	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG22	20	0.52	0.05	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG21	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG22	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG21	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG22	20	0.52	0.05	0.53
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG23	20	0.52	0.05	0.53
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	20	0.52	0.07	0.54
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	20	0.52	0.07	0.54
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	20	0.52	0.07	0.54
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	20	0.52	0.02	0.52
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	20	0.52	0.02	0.52
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD23	20	0.52	0.02	0.52
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD12	20	0.52	0.09	0.48
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD13	20	0.52	0.09	0.48
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	20	0.52	0.09	0.48
(1,4279)	1:102:A:ILE:HG22	1:103:A:LYS:HE3	20	0.52	0.53	0.3
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	20	0.52	0.53	0.3
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	20	0.52	0.53	0.3
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	20	0.52	0.02	0.52
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	20	0.52	0.02	0.52
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD12	20	0.52	0.02	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	20	0.52	0.02	0.52
(1,332)	1:116:A:LEU:HD11	1:114:A:ASN:H	20	0.52	0.02	0.52
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	20	0.52	0.02	0.52
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD22	20	0.52	0.09	0.54
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	20	0.52	0.09	0.54
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	20	0.52	0.09	0.54
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	20	0.52	0.02	0.52
(1,2675)	1:102:A:ILE:HG22	1:108:A:ASP:HB3	20	0.52	0.09	0.52
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	20	0.52	0.09	0.52
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	20	0.52	0.09	0.52
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	20	0.52	0.13	0.58
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	20	0.52	0.02	0.51
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	20	0.52	0.02	0.51
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG23	20	0.52	0.02	0.51
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	20	0.51	0.04	0.5
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	20	0.51	0.04	0.5
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	20	0.51	0.04	0.5
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	20	0.51	0.11	0.52
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD21	20	0.51	0.11	0.52
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD22	20	0.51	0.11	0.52
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	20	0.51	0.04	0.51
(1,2267)	1:237:A:THR:HG22	1:172:A:TRP:HE1	20	0.51	0.04	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	20	0.51	0.04	0.51
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	20	0.51	0.03	0.51
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	20	0.51	0.03	0.51
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	20	0.51	0.03	0.51
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	20	0.51	0.13	0.56
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	20	0.51	0.04	0.5
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD21	20	0.51	0.04	0.5
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	20	0.51	0.04	0.5
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	20	0.51	0.02	0.51
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD13	20	0.51	0.02	0.51
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	20	0.51	0.02	0.51
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	20	0.51	0.03	0.52
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	20	0.51	0.03	0.52
(1,4242)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	20	0.51	0.03	0.52
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	20	0.51	0.04	0.5
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	20	0.51	0.04	0.5
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	20	0.51	0.04	0.5
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	20	0.51	0.05	0.5
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	20	0.51	0.05	0.5
(1,3056)	1:154:A:ALA:HB2	1:136:A:LYS:HE2	20	0.51	0.05	0.5
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	20	0.51	0.03	0.51
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	20	0.51	0.03	0.51
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD22	20	0.51	0.03	0.51
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	20	0.51	0.04	0.5
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	20	0.51	0.04	0.5
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	20	0.51	0.04	0.5
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	20	0.51	0.05	0.5
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	20	0.5	0.1	0.52
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	20	0.5	0.1	0.52
(1,3800)	1:62:A:LEU:HD21	1:62:A:LEU:HA	20	0.5	0.1	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	20	0.5	0.02	0.5
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD13	20	0.5	0.02	0.5
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	20	0.5	0.02	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG21	20	0.5	0.01	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	20	0.5	0.01	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG22	20	0.5	0.01	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	20	0.5	0.02	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	20	0.5	0.02	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB2	20	0.5	0.02	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	20	0.5	0.01	0.5
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	20	0.5	0.26	0.49
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	20	0.5	0.26	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1710)	1:57:A:ILE:HG23	1:91:A:GLN:HE22	20	0.5	0.26	0.49
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	20	0.5	0.03	0.5
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	20	0.5	0.03	0.5
(1,2668)	1:174:A:ALA:HB1	1:178:A:MET:HB2	20	0.5	0.03	0.5
(1,3925)	1:149:A:LEU:HD23	1:147:A:ASP:HA	20	0.5	0.03	0.5
(1,3925)	1:149:A:LEU:HD21	1:147:A:ASP:HA	20	0.5	0.03	0.5
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	20	0.5	0.03	0.5
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB1	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB3	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB2	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB3	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB2	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB1	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB3	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB1	20	0.5	0.05	0.52
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB2	20	0.5	0.05	0.52
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	20	0.5	0.04	0.48
(1,3431)	1:168:A:ILE:HD13	1:164:A:LYS:HB2	20	0.5	0.04	0.48
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	20	0.5	0.04	0.48
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	20	0.5	0.05	0.5
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	20	0.5	0.05	0.5
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD11	20	0.5	0.05	0.5
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	20	0.49	0.02	0.5
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	20	0.49	0.02	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	20	0.49	0.02	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD11	20	0.49	0.02	0.49
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	20	0.49	0.03	0.5
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	20	0.49	0.03	0.5
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	20	0.49	0.03	0.5
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	20	0.49	0.04	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	20	0.49	0.02	0.5
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	20	0.49	0.01	0.5
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	20	0.49	0.01	0.5
(1,3949)	1:115:A:LEU:HD23	1:115:A:LEU:HB2	20	0.49	0.01	0.5
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	20	0.49	0.03	0.5
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	20	0.49	0.01	0.49
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	20	0.49	0.01	0.49
(1,3704)	1:99:A:ALA:HB1	1:100:A:VAL:HA	20	0.49	0.01	0.49
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG21	20	0.49	0.04	0.5
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	20	0.49	0.04	0.5
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG22	20	0.49	0.04	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	20	0.49	0.02	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	20	0.49	0.02	0.49
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	20	0.49	0.02	0.49
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	20	0.49	0.03	0.48
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	20	0.49	0.05	0.48
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	20	0.49	0.05	0.48
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB2	20	0.49	0.05	0.48
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	20	0.49	0.04	0.48
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	20	0.49	0.04	0.48
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	20	0.49	0.04	0.48
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	20	0.49	0.06	0.48
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	20	0.49	0.06	0.48
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	20	0.49	0.06	0.48
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	20	0.49	0.09	0.47
(1,468)	1:51:A:SER:HB3	1:56:A:ARG:HD3	20	0.49	0.09	0.47
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	20	0.49	0.02	0.49
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	20	0.49	0.02	0.49
(1,3277)	1:42:A:ALA:HB2	1:40:A:ASP:HA	20	0.49	0.02	0.49
(1,495)	1:242:A:VAL:HG12	1:244:A:ALA:H	20	0.49	0.14	0.42
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	20	0.49	0.14	0.42
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	20	0.49	0.14	0.42
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	20	0.48	0.02	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	20	0.48	0.02	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD11	20	0.48	0.02	0.48
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD23	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD22	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD11	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD13	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD13	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD21	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD11	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE2	1:62:A:LEU:HD13	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD23	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD22	20	0.48	0.14	0.53
(1,464)	1:33:A:MET:HE2	1:62:A:LEU:HD23	20	0.48	0.14	0.53
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG22	20	0.48	0.02	0.48
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	20	0.48	0.02	0.48
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	20	0.48	0.02	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	20	0.48	0.01	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG22	20	0.48	0.01	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	20	0.48	0.01	0.48
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	20	0.48	0.04	0.49
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB2	20	0.48	0.02	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	20	0.48	0.02	0.48
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	20	0.48	0.02	0.48
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	20	0.48	0.12	0.48
(1,2777)	1:97:A:LEU:HD11	1:135:A:ALA:HB1	20	0.48	0.12	0.48
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB2	20	0.48	0.12	0.48
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB1	20	0.48	0.12	0.48
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB3	20	0.48	0.12	0.48
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB2	20	0.48	0.12	0.48
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB3	20	0.48	0.12	0.48
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	20	0.48	0.04	0.5
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE1	20	0.48	0.02	0.48
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	20	0.48	0.02	0.48
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	20	0.48	0.02	0.48
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	20	0.48	0.02	0.48
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	20	0.48	0.03	0.48
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	20	0.48	0.03	0.48
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD21	20	0.48	0.03	0.48
(1,4253)	1:204:A:VAL:HG12	1:203:A:ARG:H	20	0.48	0.08	0.47
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	20	0.48	0.08	0.47
(1,4253)	1:204:A:VAL:HG11	1:203:A:ARG:H	20	0.48	0.08	0.47
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	20	0.48	0.02	0.48
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	20	0.48	0.09	0.49
(1,3027)	1:232:A:ALA:HB1	1:228:A:ASN:H	20	0.48	0.09	0.49
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	20	0.48	0.09	0.49
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	20	0.48	0.01	0.48
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	20	0.48	0.03	0.48
(1,3029)	1:232:A:ALA:HB3	1:224:A:LYS:H	20	0.48	0.03	0.48
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	20	0.48	0.03	0.48
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD13	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD13	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD12	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD11	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD11	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD12	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD11	20	0.48	0.02	0.48
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD13	20	0.48	0.02	0.48
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	20	0.47	0.08	0.51
(1,3941)	1:237:A:THR:HG22	1:241:A:ASN:HA	20	0.47	0.08	0.51
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	20	0.47	0.08	0.51
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	20	0.47	0.02	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	20	0.47	0.02	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB2	20	0.47	0.02	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	20	0.47	0.03	0.48
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	20	0.47	0.03	0.48
(1,1459)	1:159:A:LEU:HD23	1:160:A:GLY:H	20	0.47	0.03	0.48
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	20	0.47	0.02	0.48
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	20	0.47	0.02	0.48
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD12	20	0.47	0.02	0.48
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	20	0.47	0.02	0.47
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	20	0.47	0.02	0.47
(1,1749)	1:154:A:ALA:HB3	1:151:A:ALA:H	20	0.47	0.02	0.47
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	20	0.47	0.04	0.46
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	20	0.47	0.04	0.46
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	20	0.47	0.04	0.46
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG23	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG22	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG23	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG21	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG21	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG23	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG21	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG22	20	0.47	0.16	0.49
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG22	20	0.47	0.16	0.49
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	20	0.47	0.05	0.46
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG13	20	0.47	0.05	0.46
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	20	0.47	0.05	0.46
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	20	0.47	0.06	0.46
(1,3031)	1:232:A:ALA:HB3	1:223:A:GLN:HB3	20	0.47	0.06	0.46
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	20	0.47	0.06	0.46
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	20	0.47	0.02	0.47
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	20	0.47	0.02	0.47
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD22	20	0.47	0.02	0.47
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD23	20	0.47	0.04	0.46
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	20	0.47	0.04	0.46
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	20	0.47	0.04	0.46
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	20	0.47	0.03	0.46
(1,2966)	1:158:A:LEU:HD11	1:159:A:LEU:HG	20	0.47	0.03	0.46
(1,2966)	1:158:A:LEU:HD12	1:159:A:LEU:HG	20	0.47	0.03	0.46
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	20	0.47	0.02	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD2	20	0.47	0.02	0.47
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	20	0.47	0.02	0.46
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	20	0.47	0.02	0.46
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD11	20	0.47	0.02	0.46
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	20	0.47	0.06	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	20	0.47	0.06	0.47
(1,1582)	1:55:A:THR:HG21	1:51:A:SER:HA	20	0.47	0.06	0.47
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	20	0.46	0.04	0.46
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	20	0.46	0.04	0.46
(1,2640)	1:124:A:LEU:HD13	1:132:A:TYR:HB2	20	0.46	0.04	0.46
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	20	0.46	0.05	0.46
(1,1991)	1:168:A:ILE:HD12	1:231:A:GLY:HA3	20	0.46	0.05	0.46
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	20	0.46	0.05	0.46
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	20	0.46	0.06	0.46
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	20	0.46	0.06	0.46
(1,2917)	1:124:A:LEU:HD23	1:128:A:GLN:HB2	20	0.46	0.06	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	20	0.46	0.02	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	20	0.46	0.02	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG22	20	0.46	0.02	0.46
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	20	0.46	0.06	0.48
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	20	0.46	0.06	0.48
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG21	20	0.46	0.06	0.48
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	20	0.46	0.05	0.46
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	20	0.46	0.03	0.46
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	20	0.46	0.02	0.46
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	20	0.46	0.02	0.46
(1,3561)	1:159:A:LEU:HD22	1:159:A:LEU:H	20	0.46	0.02	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	20	0.46	0.0	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB3	20	0.46	0.02	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	20	0.46	0.02	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	20	0.46	0.02	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	20	0.46	0.01	0.46
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	20	0.46	0.05	0.44
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	20	0.46	0.05	0.44
(1,1563)	1:73:A:THR:HG22	1:106:A:GLN:HE22	20	0.46	0.05	0.44
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	20	0.46	0.01	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD21	20	0.46	0.01	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	20	0.46	0.01	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	20	0.46	0.02	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	20	0.46	0.02	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD23	20	0.46	0.02	0.46
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	20	0.45	0.04	0.45
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	20	0.45	0.04	0.45
(1,2629)	1:124:A:LEU:HD13	1:132:A:TYR:HD1	20	0.45	0.04	0.45
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	20	0.45	0.02	0.46
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	20	0.45	0.03	0.46
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	20	0.45	0.03	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	20	0.45	0.03	0.46
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	20	0.45	0.02	0.46
(1,1570)	1:97:A:LEU:HD22	1:132:A:TYR:HB3	20	0.45	0.04	0.45
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	20	0.45	0.04	0.45
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	20	0.45	0.04	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	20	0.45	0.03	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB2	20	0.45	0.03	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	20	0.45	0.03	0.45
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	20	0.45	0.03	0.44
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB1	20	0.45	0.03	0.44
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	20	0.45	0.03	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	20	0.45	0.02	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD12	20	0.45	0.02	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	20	0.45	0.02	0.44
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	20	0.45	0.07	0.44
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG23	20	0.45	0.07	0.44
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	20	0.45	0.07	0.44
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	20	0.45	0.08	0.42
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	20	0.45	0.08	0.42
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	20	0.45	0.08	0.42
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	20	0.45	0.17	0.37
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	20	0.45	0.17	0.37
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	20	0.45	0.17	0.37
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	20	0.45	0.06	0.48
(1,1793)	1:168:A:ILE:HD13	1:230:A:PRO:HA	20	0.45	0.06	0.48
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	20	0.45	0.06	0.48
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	20	0.45	0.02	0.44
(1,1619)	1:37:A:ALA:HB3	1:38:A:GLN:HA	20	0.45	0.02	0.44
(1,1619)	1:37:A:ALA:HB1	1:38:A:GLN:HA	20	0.45	0.02	0.44
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	20	0.45	0.05	0.46
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	20	0.45	0.05	0.46
(1,2924)	1:124:A:LEU:HD21	1:132:A:TYR:HD1	20	0.45	0.05	0.46
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	20	0.45	0.05	0.44
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	20	0.45	0.05	0.44
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	20	0.45	0.05	0.44
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	20	0.44	0.15	0.43
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	20	0.44	0.09	0.43
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	20	0.44	0.01	0.45
(1,3124)	1:146:A:ILE:HG21	1:146:A:ILE:HA	20	0.44	0.01	0.45
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	20	0.44	0.01	0.45
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	20	0.44	0.03	0.44
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	20	0.44	0.04	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	20	0.44	0.07	0.42
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	20	0.44	0.07	0.42
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD11	20	0.44	0.07	0.42
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	20	0.44	0.03	0.44
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	20	0.44	0.03	0.44
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD13	20	0.44	0.03	0.44
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	20	0.44	0.02	0.44
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	20	0.44	0.02	0.44
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG22	20	0.44	0.02	0.44
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	20	0.44	0.05	0.42
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	20	0.44	0.05	0.42
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD12	20	0.44	0.05	0.42
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	20	0.44	0.03	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	20	0.44	0.03	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB1	20	0.44	0.03	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB2	20	0.44	0.03	0.44
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	20	0.44	0.03	0.44
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	20	0.44	0.13	0.41
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD22	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD23	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD21	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD21	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD23	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD23	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD22	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD22	20	0.44	0.03	0.44
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD21	20	0.44	0.03	0.44
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	20	0.44	0.03	0.44
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	20	0.44	0.03	0.44
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	20	0.44	0.03	0.44
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	20	0.44	0.02	0.44
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	20	0.44	0.02	0.44
(1,3942)	1:96:A:THR:HG23	1:132:A:TYR:HD2	20	0.44	0.02	0.44
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	20	0.44	0.04	0.44
(1,1798)	1:168:A:ILE:HD12	1:233:A:LYS:H	20	0.44	0.04	0.44
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	20	0.44	0.04	0.44
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	20	0.44	0.02	0.44
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	20	0.44	0.02	0.44
(1,1712)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	20	0.44	0.02	0.44
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD12	20	0.43	0.03	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	20	0.43	0.03	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	20	0.43	0.03	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	20	0.43	0.03	0.42
(1,2356)	1:242:A:VAL:HG12	1:243:A:LYS:HB2	20	0.43	0.1	0.38
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	20	0.43	0.1	0.38
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	20	0.43	0.1	0.38
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	20	0.43	0.05	0.42
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	20	0.43	0.05	0.42
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG21	20	0.43	0.05	0.42
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	20	0.43	0.06	0.44
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	20	0.43	0.04	0.42
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	20	0.43	0.04	0.42
(1,2259)	1:239:A:LEU:HD23	1:236:A:PRO:HB3	20	0.43	0.04	0.42
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	20	0.43	0.06	0.41
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	20	0.43	0.06	0.41
(1,2697)	1:102:A:ILE:HD11	1:98:A:LEU:HA	20	0.43	0.06	0.41
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	20	0.43	0.01	0.43
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	20	0.43	0.06	0.44
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	20	0.43	0.06	0.44
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG23	20	0.43	0.06	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	20	0.43	0.01	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	20	0.43	0.01	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	20	0.43	0.01	0.43
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG23	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG22	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG23	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG22	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG21	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG21	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG21	20	0.43	0.02	0.43
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG22	20	0.43	0.02	0.43
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	20	0.43	0.09	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	20	0.43	0.02	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	20	0.43	0.01	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	20	0.43	0.02	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	20	0.43	0.02	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	20	0.43	0.02	0.43
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE2	20	0.43	0.07	0.41
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	20	0.43	0.07	0.41
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	20	0.43	0.07	0.41
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	20	0.43	0.03	0.44
(1,3725)	1:153:A:ILE:HG22	1:198:A:TRP:HD1	20	0.43	0.03	0.44
(1,3725)	1:153:A:ILE:HG23	1:198:A:TRP:HD1	20	0.43	0.03	0.44
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD12	20	0.43	0.05	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	20	0.43	0.05	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	20	0.43	0.05	0.43
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	20	0.43	0.05	0.44
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	20	0.43	0.05	0.44
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	20	0.43	0.05	0.44
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	20	0.43	0.06	0.43
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB1	20	0.43	0.06	0.43
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB2	20	0.43	0.06	0.43
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	20	0.43	0.04	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	20	0.43	0.04	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG22	20	0.43	0.04	0.44
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	20	0.42	0.03	0.42
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	20	0.42	0.03	0.42
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	20	0.42	0.03	0.42
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	20	0.42	0.02	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	20	0.42	0.02	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	20	0.42	0.02	0.43
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	20	0.42	0.11	0.48
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG21	20	0.42	0.03	0.43
(1,3653)	1:100:A:VAL:HG21	1:96:A:THR:HG22	20	0.42	0.03	0.43
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG21	20	0.42	0.03	0.43
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG23	20	0.42	0.03	0.43
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG23	20	0.42	0.03	0.43
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG22	20	0.42	0.03	0.43
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG22	20	0.42	0.03	0.43
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	20	0.42	0.02	0.42
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	20	0.42	0.02	0.42
(1,2586)	1:124:A:LEU:HD21	1:133:A:TRP:HE1	20	0.42	0.02	0.42
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	20	0.42	0.08	0.39
(1,4067)	1:64:A:ILE:HD13	1:64:A:ILE:HA	20	0.42	0.03	0.42
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	20	0.42	0.03	0.42
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	20	0.42	0.03	0.42
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	20	0.42	0.03	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	20	0.42	0.03	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB2	20	0.42	0.03	0.41
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	20	0.42	0.01	0.42
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	20	0.42	0.01	0.42
(1,1680)	1:90:A:ALA:HB2	1:90:A:ALA:HA	20	0.42	0.01	0.42
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE3	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE3	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE1	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE2	20	0.42	0.04	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE1	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE1	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE3	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE2	20	0.42	0.04	0.42
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE2	20	0.42	0.04	0.42
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	20	0.42	0.01	0.42
(1,335)	1:36:A:THR:HG23	1:36:A:THR:HB	20	0.42	0.01	0.42
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	20	0.42	0.01	0.42
(1,335)	1:250:A:THR:HG21	1:250:A:THR:HB	20	0.42	0.01	0.42
(1,335)	1:250:A:THR:HG22	1:250:A:THR:HB	20	0.42	0.01	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	20	0.42	0.01	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD13	20	0.42	0.01	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	20	0.42	0.01	0.42
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	20	0.42	0.06	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	20	0.42	0.01	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	20	0.42	0.01	0.42
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	20	0.42	0.07	0.42
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	20	0.42	0.07	0.42
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG23	20	0.42	0.07	0.42
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	20	0.41	0.03	0.4
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG21	20	0.41	0.03	0.4
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	20	0.41	0.03	0.4
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	20	0.41	0.02	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	20	0.41	0.02	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	20	0.41	0.02	0.42
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	20	0.41	0.06	0.42
(1,432)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	20	0.41	0.06	0.42
(1,432)	1:233:A:LYS:HD2	1:233:A:LYS:HE3	20	0.41	0.06	0.42
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	20	0.41	0.06	0.42
(1,432)	1:246:A:LYS:HD2	1:246:A:LYS:HE3	20	0.41	0.06	0.42
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	20	0.41	0.03	0.42
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	20	0.41	0.03	0.42
(1,1773)	1:137:A:ILE:HD11	1:155:A:GLN:HG3	20	0.41	0.03	0.42
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	20	0.41	0.02	0.41
(1,1536)	1:116:A:LEU:HD12	1:135:A:ALA:HB1	20	0.41	0.02	0.41
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB1	20	0.41	0.02	0.41
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB2	20	0.41	0.02	0.41
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB3	20	0.41	0.02	0.41
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB2	20	0.41	0.02	0.41
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB1	20	0.41	0.02	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	20	0.41	0.01	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	20	0.41	0.01	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD11	20	0.41	0.01	0.41
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	20	0.41	0.08	0.39
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	20	0.41	0.08	0.39
(1,2687)	1:219:A:ILE:HD12	1:205:A:TRP:HE1	20	0.41	0.08	0.39
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	20	0.41	0.02	0.41
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	20	0.41	0.02	0.41
(1,4569)	1:104:A:LEU:HD13	1:109:A:PHE:HE1	20	0.41	0.02	0.41
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG22	20	0.41	0.03	0.42
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG23	20	0.41	0.03	0.42
(1,3735)	1:119:A:ILE:HD12	1:100:A:VAL:HG21	20	0.41	0.03	0.42
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG22	20	0.41	0.03	0.42
(1,3735)	1:119:A:ILE:HD12	1:100:A:VAL:HG23	20	0.41	0.03	0.42
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG21	20	0.41	0.03	0.42
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG21	20	0.41	0.03	0.42
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	20	0.41	0.03	0.4
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	20	0.41	0.1	0.38
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	20	0.41	0.1	0.38
(1,2395)	1:159:A:LEU:HD13	1:163:A:GLU:HG2	20	0.41	0.1	0.38
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	20	0.41	0.02	0.4
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD11	20	0.41	0.02	0.4
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	20	0.41	0.02	0.4
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	20	0.41	0.02	0.41
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	20	0.41	0.02	0.41
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB2	20	0.41	0.02	0.41
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG22	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD13	1:219:A:ILE:HG22	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG22	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG23	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG23	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG21	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD13	1:219:A:ILE:HG21	20	0.41	0.03	0.41
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG21	20	0.41	0.03	0.41
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	20	0.41	0.02	0.4
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	20	0.41	0.02	0.4
(1,1752)	1:154:A:ALA:HB3	1:153:A:ILE:HB	20	0.41	0.02	0.4
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	20	0.41	0.1	0.42
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	20	0.41	0.1	0.42
(1,1993)	1:102:A:ILE:HD13	1:80:A:PHE:HE1	20	0.41	0.1	0.42
(1,1493)	1:148:A:LEU:HD22	1:148:A:LEU:HD13	20	0.41	0.01	0.41
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD12	20	0.41	0.01	0.41
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD13	20	0.41	0.01	0.41
(1,1493)	1:148:A:LEU:HD22	1:148:A:LEU:HD12	20	0.41	0.01	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD12	20	0.41	0.01	0.41
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD11	20	0.41	0.01	0.41
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD11	20	0.41	0.01	0.41
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD13	20	0.41	0.01	0.41
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	20	0.41	0.03	0.42
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD12	20	0.41	0.03	0.42
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	20	0.41	0.03	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	20	0.41	0.01	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG21	20	0.41	0.01	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	20	0.41	0.01	0.41
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	20	0.41	0.06	0.42
(1,2265)	1:237:A:THR:HG22	1:241:A:ASN:HB2	20	0.41	0.06	0.42
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	20	0.41	0.06	0.42
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	20	0.41	0.08	0.41
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	20	0.41	0.08	0.41
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	20	0.41	0.08	0.41
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	20	0.41	0.02	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	20	0.41	0.02	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB3	20	0.41	0.02	0.4
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	20	0.41	0.03	0.4
(1,2579)	1:149:A:LEU:HD12	1:198:A:TRP:H	20	0.41	0.03	0.4
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	20	0.41	0.03	0.4
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD23	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD22	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD22	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD21	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD21	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD22	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD21	20	0.41	0.04	0.4
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD23	20	0.41	0.04	0.4
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	20	0.4	0.02	0.41
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	20	0.4	0.02	0.41
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG21	20	0.4	0.02	0.41
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	20	0.4	0.04	0.4
(1,3722)	1:153:A:ILE:HG22	1:194:A:ILE:H	20	0.4	0.04	0.4
(1,3722)	1:153:A:ILE:HG23	1:194:A:ILE:H	20	0.4	0.04	0.4
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	20	0.4	0.04	0.4
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	20	0.4	0.04	0.4
(1,319)	1:195:A:LEU:HD22	1:146:A:ILE:HG12	20	0.4	0.04	0.4
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	20	0.4	0.04	0.39
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD12	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD11	20	0.4	0.03	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD13	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD13	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD13	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD12	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD11	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD12	20	0.4	0.03	0.4
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD11	20	0.4	0.03	0.4
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	20	0.4	0.04	0.41
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG13	20	0.4	0.13	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	20	0.4	0.13	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG11	20	0.4	0.13	0.36
(1,2351)	1:199:A:LEU:HD22	1:178:A:MET:HG2	20	0.4	0.02	0.4
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	20	0.4	0.02	0.4
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	20	0.4	0.02	0.4
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	20	0.4	0.02	0.4
(1,2756)	1:100:A:VAL:HG21	1:115:A:LEU:HB3	20	0.4	0.02	0.4
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	20	0.4	0.02	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	20	0.4	0.0	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	20	0.4	0.0	0.4
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD22	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD23	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD21	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD23	1:97:A:LEU:HD23	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD22	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD23	1:97:A:LEU:HD22	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD21	20	0.4	0.04	0.4
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD23	20	0.4	0.04	0.4
(1,2960)	1:199:A:LEU:HD21	1:175:A:LEU:HG	20	0.4	0.04	0.41
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	20	0.4	0.04	0.41
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	20	0.4	0.04	0.41
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	20	0.4	0.05	0.42
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	20	0.4	0.05	0.42
(1,3669)	1:55:A:THR:HG23	1:59:A:TRP:HB3	20	0.4	0.05	0.42
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	20	0.4	0.05	0.4
(1,415)	1:175:A:LEU:HD13	1:202:A:GLN:HB3	20	0.4	0.05	0.4
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	20	0.4	0.05	0.4
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	20	0.4	0.09	0.42
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	20	0.4	0.09	0.42
(1,2659)	1:183:A:ALA:HB1	1:184:A:ASN:HD22	20	0.4	0.09	0.42
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	20	0.4	0.03	0.4
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG22	20	0.4	0.03	0.4
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	20	0.4	0.03	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	20	0.39	0.05	0.38
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	20	0.39	0.06	0.4
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	20	0.39	0.06	0.4
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB2	20	0.39	0.06	0.4
(1,3094)	1:204:A:VAL:HG12	1:204:A:VAL:HA	20	0.39	0.04	0.4
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	20	0.39	0.04	0.4
(1,3094)	1:204:A:VAL:HG13	1:204:A:VAL:HA	20	0.39	0.04	0.4
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	20	0.39	0.08	0.38
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	20	0.39	0.08	0.38
(1,1713)	1:57:A:ILE:HG23	1:55:A:THR:HA	20	0.39	0.08	0.38
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	20	0.39	0.03	0.4
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	20	0.39	0.03	0.4
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD21	20	0.39	0.03	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	20	0.39	0.01	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	20	0.39	0.01	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	20	0.39	0.01	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG21	20	0.39	0.01	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	20	0.39	0.01	0.39
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	20	0.39	0.03	0.39
(1,2673)	1:130:A:ALA:HB1	1:127:A:ASN:HD21	20	0.39	0.03	0.39
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	20	0.39	0.03	0.39
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	20	0.39	0.5	0.22
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	20	0.39	0.04	0.39
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	20	0.39	0.02	0.39
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	20	0.39	0.02	0.39
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	20	0.39	0.02	0.39
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	20	0.39	0.08	0.38
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	20	0.39	0.08	0.38
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD12	20	0.39	0.08	0.38
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	20	0.39	0.11	0.38
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	20	0.39	0.02	0.39
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	20	0.39	0.02	0.39
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB1	20	0.39	0.02	0.39
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	20	0.39	0.03	0.38
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	20	0.39	0.03	0.38
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB3	20	0.39	0.03	0.38
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	20	0.39	0.02	0.39
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	20	0.39	0.07	0.4
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	20	0.39	0.07	0.4
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD13	20	0.39	0.07	0.4
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	20	0.39	0.07	0.37
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	20	0.39	0.07	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	20	0.39	0.07	0.37
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	20	0.38	0.01	0.38
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	20	0.38	0.01	0.38
(1,1711)	1:57:A:ILE:HG21	1:57:A:ILE:HA	20	0.38	0.01	0.38
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	20	0.38	0.31	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB3	20	0.38	0.31	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	20	0.38	0.31	0.31
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	20	0.38	0.09	0.4
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG23	20	0.38	0.09	0.4
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	20	0.38	0.09	0.4
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	20	0.38	0.04	0.39
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	20	0.38	0.04	0.39
(1,2872)	1:188:A:ILE:HG22	1:191:A:ASP:H	20	0.38	0.04	0.39
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	20	0.38	0.02	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	20	0.38	0.02	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	20	0.38	0.02	0.38
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD23	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD21	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD23	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD22	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD21	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD23	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD22	20	0.38	0.03	0.38
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD21	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD22	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD21	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD22	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD23	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD22	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD21	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD21	20	0.38	0.03	0.38
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD23	20	0.38	0.03	0.38
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	20	0.38	0.16	0.33
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	20	0.38	0.16	0.33
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	20	0.38	0.16	0.33
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	20	0.38	0.01	0.38
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	20	0.38	0.01	0.38
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	20	0.38	0.01	0.38
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB1	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB3	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB3	20	0.38	0.03	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB1	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB2	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB3	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB1	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB2	20	0.38	0.03	0.38
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB2	20	0.38	0.03	0.38
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	20	0.38	0.07	0.39
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	20	0.38	0.07	0.39
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	20	0.38	0.07	0.39
(1,2355)	1:242:A:VAL:HG11	1:216:A:LYS:HB2	20	0.38	0.05	0.36
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	20	0.38	0.05	0.36
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	20	0.38	0.05	0.36
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD11	20	0.38	0.03	0.37
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD11	20	0.38	0.03	0.37
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD12	20	0.38	0.03	0.37
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD13	20	0.38	0.03	0.37
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD13	20	0.38	0.03	0.37
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD13	20	0.38	0.03	0.37
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD11	20	0.38	0.03	0.37
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	20	0.38	0.05	0.38
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	20	0.38	0.05	0.38
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG23	20	0.38	0.05	0.38
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	20	0.38	0.05	0.37
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	20	0.38	0.05	0.37
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD12	20	0.38	0.05	0.37
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	20	0.37	0.05	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	20	0.37	0.04	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	20	0.37	0.04	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD12	20	0.37	0.04	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	20	0.37	0.02	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	20	0.37	0.02	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG22	20	0.37	0.02	0.38
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	20	0.37	0.15	0.38
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD3	20	0.37	0.15	0.38
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	20	0.37	0.05	0.36
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	20	0.37	0.03	0.36
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	20	0.37	0.03	0.36
(1,3067)	1:159:A:LEU:HD22	1:155:A:GLN:H	20	0.37	0.03	0.36
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	20	0.37	0.05	0.37
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	20	0.37	0.05	0.37
(1,1845)	1:55:A:THR:HG23	1:56:A:ARG:H	20	0.37	0.05	0.37
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	20	0.37	0.08	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	20	0.37	0.01	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	20	0.37	0.01	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG23	20	0.37	0.01	0.37
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	20	0.37	0.03	0.36
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG23	20	0.37	0.03	0.36
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	20	0.37	0.03	0.36
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	20	0.37	0.05	0.38
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	20	0.37	0.04	0.37
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB1	20	0.37	0.04	0.37
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	20	0.37	0.04	0.37
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	20	0.37	0.05	0.36
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	20	0.37	0.05	0.36
(1,1658)	1:66:A:ALA:HB3	1:40:A:ASP:HA	20	0.37	0.05	0.36
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	20	0.37	0.01	0.37
(1,4411)	1:64:A:ILE:HD11	1:80:A:PHE:HE1	20	0.37	0.07	0.34
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	20	0.37	0.07	0.34
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	20	0.37	0.07	0.34
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD21	20	0.37	0.03	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	20	0.37	0.03	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	20	0.37	0.03	0.37
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	20	0.37	0.03	0.36
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	20	0.37	0.03	0.36
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD12	20	0.37	0.03	0.36
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG11	20	0.37	0.03	0.37
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	20	0.37	0.03	0.37
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	20	0.37	0.03	0.37
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	20	0.37	0.07	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	20	0.37	0.02	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	20	0.37	0.02	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD22	20	0.37	0.02	0.36
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	20	0.36	0.04	0.36
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	20	0.36	0.04	0.36
(1,1725)	1:174:A:ALA:HB1	1:175:A:LEU:HA	20	0.36	0.04	0.36
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD12	20	0.36	0.02	0.36
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	20	0.36	0.02	0.36
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	20	0.36	0.02	0.36
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	20	0.36	0.05	0.38
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	20	0.36	0.05	0.38
(1,1788)	1:102:A:ILE:HD12	1:80:A:PHE:HB3	20	0.36	0.05	0.38
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	20	0.36	0.02	0.37
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	20	0.36	0.02	0.37
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	20	0.36	0.02	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	20	0.36	0.02	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	20	0.36	0.02	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD23	20	0.36	0.02	0.37
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	20	0.36	0.04	0.37
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD13	20	0.36	0.04	0.37
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	20	0.36	0.04	0.37
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	20	0.36	0.0	0.36
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	20	0.36	0.03	0.36
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	20	0.36	0.04	0.36
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	20	0.36	0.04	0.36
(1,3054)	1:154:A:ALA:HB3	1:133:A:TRP:HZ3	20	0.36	0.04	0.36
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	20	0.36	0.08	0.36
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	20	0.36	0.08	0.36
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD21	20	0.36	0.08	0.36
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD23	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD22	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD23	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD22	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD21	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD21	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD22	20	0.36	0.02	0.36
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD21	20	0.36	0.02	0.36
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG23	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG21	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG22	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB1	1:96:A:THR:HG22	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG22	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG21	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB1	1:96:A:THR:HG21	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB1	1:96:A:THR:HG23	20	0.36	0.04	0.36
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG23	20	0.36	0.04	0.36
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	20	0.36	0.06	0.33
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	20	0.36	0.06	0.33
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	20	0.36	0.06	0.33
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	20	0.36	0.03	0.36
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB3	20	0.36	0.03	0.36
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	20	0.36	0.03	0.36
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	20	0.36	0.03	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	20	0.36	0.03	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD12	20	0.36	0.03	0.35
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	20	0.36	0.02	0.36
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	20	0.36	0.02	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	20	0.36	0.02	0.36
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB3	20	0.36	0.03	0.35
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB2	20	0.36	0.03	0.35
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB2	20	0.36	0.03	0.35
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB1	20	0.36	0.03	0.35
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB3	20	0.36	0.03	0.35
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB3	20	0.36	0.03	0.35
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB1	20	0.36	0.03	0.35
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	20	0.36	0.01	0.36
(1,2442)	1:175:A:LEU:HD21	1:175:A:LEU:HB3	20	0.36	0.01	0.36
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	20	0.36	0.01	0.36
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	20	0.36	0.02	0.36
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG23	20	0.36	0.02	0.36
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG21	20	0.36	0.02	0.36
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	20	0.36	0.06	0.38
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	20	0.36	0.06	0.38
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD23	20	0.36	0.06	0.38
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	20	0.36	0.05	0.34
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	20	0.36	0.05	0.34
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB1	20	0.36	0.05	0.34
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	20	0.35	0.01	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	20	0.35	0.01	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG22	20	0.35	0.01	0.36
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	20	0.35	0.11	0.36
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	20	0.35	0.11	0.36
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	20	0.35	0.11	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	20	0.35	0.02	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	20	0.35	0.02	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	20	0.35	0.02	0.36
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	20	0.35	0.32	0.29
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	20	0.35	0.02	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD11	20	0.35	0.02	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	20	0.35	0.02	0.35
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	20	0.35	0.03	0.34
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	20	0.35	0.02	0.36
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	20	0.35	0.02	0.36
(1,2622)	1:204:A:VAL:HG22	1:219:A:ILE:H	20	0.35	0.02	0.36
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	20	0.35	0.02	0.35
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	20	0.35	0.02	0.35
(1,1555)	1:201:A:LEU:HD12	1:198:A:TRP:HA	20	0.35	0.02	0.35
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	20	0.35	0.03	0.35
(1,1695)	1:171:A:THR:HG21	1:153:A:ILE:H	20	0.35	0.03	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	20	0.35	0.03	0.35
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	20	0.35	0.1	0.34
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	20	0.35	0.1	0.34
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	20	0.35	0.1	0.34
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	20	0.35	0.03	0.34
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	20	0.35	0.03	0.34
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	20	0.35	0.03	0.34
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	20	0.35	0.02	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	20	0.35	0.01	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	20	0.35	0.01	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG11	20	0.35	0.01	0.35
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	20	0.35	0.07	0.36
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	20	0.35	0.07	0.36
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	20	0.35	0.07	0.36
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	20	0.35	0.02	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	20	0.35	0.01	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	20	0.35	0.01	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG22	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB1	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB1	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB2	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB2	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB3	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB3	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB1	20	0.35	0.01	0.35
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB3	20	0.35	0.01	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	20	0.35	0.01	0.35
(1,2344)	1:199:A:LEU:HD21	1:198:A:TRP:HD1	20	0.35	0.04	0.34
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	20	0.35	0.04	0.34
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	20	0.35	0.04	0.34
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG21	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG22	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG23	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG21	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG22	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG23	20	0.35	0.01	0.34
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG21	20	0.35	0.01	0.34
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	20	0.35	0.04	0.34
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	20	0.35	0.04	0.34
(1,1496)	1:152:A:LEU:HD21	1:167:A:ASN:HA	20	0.35	0.04	0.34
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	20	0.35	0.11	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	20	0.35	0.03	0.35
(1,3630)	1:152:A:LEU:HD12	1:149:A:LEU:HA	20	0.35	0.03	0.35
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	20	0.35	0.03	0.35
(1,3688)	1:242:A:VAL:HG13	1:241:A:ASN:H	20	0.35	0.06	0.36
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	20	0.35	0.06	0.36
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	20	0.35	0.06	0.36
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG23	20	0.35	0.03	0.34
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	20	0.35	0.03	0.34
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	20	0.35	0.03	0.34
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	20	0.35	0.03	0.34
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	20	0.35	0.05	0.34
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	20	0.35	0.04	0.34
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	20	0.35	0.04	0.34
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	20	0.35	0.04	0.34
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD11	20	0.35	0.05	0.36
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD13	20	0.35	0.05	0.36
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	20	0.35	0.05	0.36
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	20	0.34	0.01	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB1	20	0.34	0.01	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB2	20	0.34	0.01	0.34
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG21	20	0.34	0.03	0.34
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	20	0.34	0.03	0.34
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG22	20	0.34	0.03	0.34
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG22	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG21	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG22	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG21	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG23	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG23	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG22	20	0.34	0.04	0.35
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG23	20	0.34	0.04	0.35
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	20	0.34	0.04	0.34
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	20	0.34	0.04	0.34
(1,3055)	1:154:A:ALA:HB2	1:133:A:TRP:HD1	20	0.34	0.04	0.34
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	20	0.34	0.03	0.34
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	20	0.34	0.01	0.34
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	20	0.34	0.01	0.34
(1,1618)	1:240:A:VAL:HG13	1:241:A:ASN:HA	20	0.34	0.01	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	20	0.34	0.01	0.34
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD22	20	0.34	0.03	0.34
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	20	0.34	0.03	0.34
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	20	0.34	0.03	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	20	0.34	0.24	0.2
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	20	0.34	0.02	0.34
(1,1730)	1:102:A:ILE:HG21	1:73:A:THR:HB	20	0.34	0.02	0.34
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	20	0.34	0.02	0.34
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	20	0.34	0.02	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	20	0.34	0.01	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	20	0.34	0.01	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB2	20	0.34	0.01	0.34
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	20	0.34	0.05	0.33
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	20	0.34	0.05	0.33
(1,4173)	1:159:A:LEU:HD13	1:161:A:ALA:H	20	0.34	0.05	0.33
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	20	0.34	0.04	0.34
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	20	0.34	0.04	0.34
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	20	0.34	0.04	0.34
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	20	0.34	0.04	0.34
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	20	0.34	0.04	0.34
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD12	20	0.34	0.04	0.34
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	20	0.34	0.02	0.34
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB3	20	0.34	0.02	0.34
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	20	0.34	0.02	0.34
(1,269)	1:89:A:ASP:HB2	1:91:A:GLN:H	20	0.34	0.05	0.34
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	20	0.34	0.05	0.34
(1,1590)	1:199:A:LEU:HD22	1:199:A:LEU:HA	20	0.34	0.02	0.34
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	20	0.34	0.02	0.34
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	20	0.34	0.02	0.34
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	20	0.34	0.04	0.33
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD13	20	0.34	0.04	0.33
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	20	0.34	0.04	0.33
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	20	0.34	0.04	0.34
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	20	0.34	0.04	0.34
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB1	20	0.34	0.04	0.34
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	20	0.34	0.01	0.33
(1,3252)	1:235:A:LEU:HD11	1:234:A:MET:HA	20	0.34	0.01	0.33
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	20	0.34	0.01	0.33
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	20	0.33	0.1	0.32
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	20	0.33	0.1	0.32
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG22	20	0.33	0.1	0.32
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG12	20	0.33	0.06	0.34
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	20	0.33	0.06	0.34
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG13	20	0.33	0.06	0.34
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG21	20	0.33	0.02	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	20	0.33	0.02	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	20	0.33	0.02	0.33
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	20	0.33	0.02	0.33
(1,508)	1:203:A:ARG:HD2	1:205:A:TRP:H	20	0.33	0.02	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	20	0.33	0.01	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG21	20	0.33	0.01	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	20	0.33	0.01	0.33
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD21	20	0.33	0.09	0.33
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	20	0.33	0.09	0.33
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	20	0.33	0.09	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	20	0.33	0.0	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	20	0.33	0.01	0.33
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	20	0.33	0.06	0.33
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	20	0.33	0.01	0.33
(1,1774)	1:119:A:ILE:HD12	1:116:A:LEU:H	20	0.33	0.01	0.33
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	20	0.33	0.01	0.33
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	20	0.33	0.03	0.33
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB1	20	0.33	0.03	0.33
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB2	20	0.33	0.03	0.33
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	20	0.33	0.02	0.32
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG21	20	0.33	0.03	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	20	0.33	0.03	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG22	20	0.33	0.03	0.33
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG23	20	0.33	0.05	0.32
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	20	0.33	0.05	0.32
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG21	20	0.33	0.05	0.32
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD13	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD23	1:104:A:LEU:HD11	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD13	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD11	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD12	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD12	20	0.33	0.03	0.34
(1,3622)	1:104:A:LEU:HD23	1:104:A:LEU:HD12	20	0.33	0.03	0.34
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD21	20	0.33	0.01	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	20	0.33	0.01	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	20	0.33	0.01	0.32
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	20	0.33	0.03	0.33
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	20	0.33	0.03	0.33
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	20	0.33	0.03	0.33
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	20	0.33	0.01	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD11	20	0.33	0.01	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	20	0.33	0.01	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	20	0.33	0.03	0.33
(1,3616)	1:116:A:LEU:HD13	1:113:A:GLN:HE22	20	0.33	0.03	0.33
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	20	0.33	0.03	0.33
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	20	0.33	0.07	0.32
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	20	0.33	0.01	0.33
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	20	0.33	0.01	0.33
(1,3683)	1:30:A:THR:HG21	1:30:A:THR:HB	20	0.33	0.01	0.33
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	20	0.32	0.05	0.34
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	20	0.32	0.05	0.34
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	20	0.32	0.05	0.34
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	20	0.32	0.04	0.32
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	20	0.32	0.04	0.32
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD12	20	0.32	0.04	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	20	0.32	0.01	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	20	0.32	0.01	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG11	20	0.32	0.01	0.32
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	20	0.32	0.39	0.19
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	20	0.32	0.03	0.32
(1,2447)	1:175:A:LEU:HD23	1:198:A:TRP:HA	20	0.32	0.03	0.32
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	20	0.32	0.03	0.32
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	20	0.32	0.03	0.32
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	20	0.32	0.03	0.32
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	20	0.32	0.03	0.32
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG21	20	0.32	0.03	0.32
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	20	0.32	0.29	0.3
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	20	0.32	0.03	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	20	0.32	0.03	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	20	0.32	0.03	0.31
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB2	20	0.32	0.01	0.32
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	20	0.32	0.01	0.32
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	20	0.32	0.01	0.32
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	20	0.32	0.05	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	20	0.32	0.05	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD22	20	0.32	0.05	0.3
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	20	0.32	0.05	0.32
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	20	0.32	0.04	0.32
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	20	0.32	0.04	0.32
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	20	0.32	0.04	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG11	20	0.32	0.01	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	20	0.32	0.01	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG12	20	0.32	0.01	0.32
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD22	20	0.32	0.03	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	20	0.32	0.03	0.31
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	20	0.32	0.03	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	20	0.32	0.01	0.32
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	20	0.32	0.02	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD13	20	0.32	0.02	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	20	0.32	0.02	0.31
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	20	0.31	0.03	0.32
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	20	0.31	0.03	0.32
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG22	20	0.31	0.03	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD22	20	0.31	0.03	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	20	0.31	0.03	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	20	0.31	0.03	0.32
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	20	0.31	0.06	0.33
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	20	0.31	0.03	0.32
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	20	0.31	0.03	0.32
(1,554)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	20	0.31	0.03	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	20	0.31	0.01	0.32
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG22	20	0.31	0.02	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	20	0.31	0.02	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	20	0.31	0.02	0.31
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	20	0.31	0.03	0.32
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	20	0.31	0.03	0.32
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	20	0.31	0.03	0.32
(1,1435)	1:98:A:LEU:HD13	1:65:A:ARG:HA	20	0.31	0.08	0.32
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	20	0.31	0.08	0.32
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	20	0.31	0.08	0.32
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	20	0.31	0.04	0.31
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	20	0.31	0.04	0.31
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG21	20	0.31	0.04	0.31
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	20	0.31	0.03	0.32
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	20	0.31	0.03	0.32
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG22	20	0.31	0.03	0.32
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	20	0.31	0.04	0.32
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	20	0.31	0.04	0.32
(1,3211)	1:183:A:ALA:HB3	1:175:A:LEU:HA	20	0.31	0.04	0.32
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	20	0.31	0.05	0.3
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	20	0.31	0.05	0.3
(1,1561)	1:97:A:LEU:HD22	1:132:A:TYR:HA	20	0.31	0.05	0.3
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	20	0.31	0.02	0.32
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	20	0.31	0.01	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	20	0.31	0.01	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG23	20	0.31	0.01	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	20	0.31	0.03	0.31
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	20	0.31	0.02	0.3
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	20	0.31	0.09	0.28
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD12	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD13	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD11	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD12	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD12	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD11	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD13	20	0.3	0.03	0.31
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD13	20	0.3	0.03	0.31
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	20	0.3	0.03	0.3
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD12	20	0.3	0.03	0.3
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	20	0.3	0.03	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	20	0.3	0.03	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	20	0.3	0.03	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB1	20	0.3	0.03	0.3
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	20	0.3	0.05	0.3
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	20	0.3	0.05	0.3
(1,1610)	1:159:A:LEU:HD13	1:160:A:GLY:HA3	20	0.3	0.05	0.3
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG21	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG23	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG22	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG23	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG21	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB3	1:120:A:THR:HG22	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB3	1:120:A:THR:HG23	20	0.3	0.02	0.31
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG22	20	0.3	0.02	0.31
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	20	0.3	0.01	0.3
(1,2375)	1:151:A:ALA:HB2	1:148:A:LEU:HA	20	0.3	0.01	0.3
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	20	0.3	0.01	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	20	0.3	0.0	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	20	0.3	0.01	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	20	0.3	0.01	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG11	20	0.3	0.01	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	20	0.3	0.02	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	20	0.3	0.02	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD12	20	0.3	0.02	0.3
(1,2906)	1:199:A:LEU:HD21	1:198:A:TRP:HA	20	0.3	0.02	0.3
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	20	0.3	0.02	0.3
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	20	0.3	0.02	0.3
(1,2904)	1:199:A:LEU:HD22	1:175:A:LEU:HA	20	0.3	0.02	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	20	0.3	0.02	0.3
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	20	0.3	0.02	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	20	0.3	0.0	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	20	0.3	0.01	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG21	20	0.3	0.01	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	20	0.3	0.01	0.3
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	20	0.3	0.03	0.3
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	20	0.3	0.03	0.3
(1,1750)	1:154:A:ALA:HB1	1:133:A:TRP:HH2	20	0.3	0.03	0.3
(1,1794)	1:57:A:ILE:HD11	1:54:A:ASP:HA	20	0.3	0.06	0.29
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	20	0.3	0.06	0.29
(1,1794)	1:57:A:ILE:HD13	1:54:A:ASP:HA	20	0.3	0.06	0.29
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	20	0.3	0.03	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	20	0.3	0.03	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	20	0.3	0.03	0.3
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	20	0.3	0.04	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	20	0.3	0.04	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD13	20	0.3	0.04	0.29
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	20	0.3	0.02	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	20	0.3	0.02	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	20	0.3	0.02	0.3
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	20	0.3	0.03	0.3
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	20	0.3	0.02	0.29
(1,2653)	1:171:A:THR:HG22	1:175:A:LEU:H	20	0.3	0.02	0.29
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	20	0.3	0.02	0.29
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	20	0.3	0.02	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	20	0.3	0.02	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD11	20	0.3	0.02	0.3
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	20	0.3	0.04	0.3
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	20	0.3	0.04	0.3
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	20	0.3	0.04	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE2	20	0.3	0.04	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	20	0.3	0.04	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	20	0.3	0.04	0.3
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	20	0.3	0.11	0.27
(1,375)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	20	0.3	0.11	0.27
(1,375)	1:95:A:LYS:HE3	1:83:A:LEU:HD22	20	0.3	0.11	0.27
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	20	0.3	0.11	0.27
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	20	0.3	0.04	0.29
(1,3739)	1:175:A:LEU:HD11	1:198:A:TRP:HB2	20	0.3	0.04	0.29
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	20	0.3	0.04	0.29
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	20	0.29	0.13	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,458)	1:105:A:ALA:HB2	1:107:A:LYS:HE3	20	0.29	0.13	0.26
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	20	0.29	0.13	0.26
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	20	0.29	0.07	0.29
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	20	0.29	0.08	0.29
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	20	0.29	0.08	0.29
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	20	0.29	0.08	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	20	0.29	0.02	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	20	0.29	0.02	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG21	20	0.29	0.02	0.29
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	20	0.29	0.04	0.29
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	20	0.29	0.04	0.29
(1,1497)	1:152:A:LEU:HD22	1:152:A:LEU:HA	20	0.29	0.04	0.29
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	20	0.29	0.03	0.29
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD12	20	0.29	0.03	0.29
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	20	0.29	0.03	0.29
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	20	0.29	0.06	0.29
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	20	0.29	0.06	0.29
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD13	20	0.29	0.06	0.29
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	20	0.29	0.02	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	20	0.29	0.02	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	20	0.29	0.02	0.3
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	20	0.29	0.03	0.3
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB3	20	0.29	0.03	0.3
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	20	0.29	0.03	0.3
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	20	0.29	0.11	0.32
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	20	0.29	0.11	0.32
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	20	0.29	0.11	0.32
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	20	0.29	0.01	0.29
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	20	0.29	0.05	0.3
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	20	0.29	0.05	0.3
(1,2596)	1:124:A:LEU:HD22	1:120:A:THR:HA	20	0.29	0.05	0.3
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	20	0.29	0.01	0.29
(1,3988)	1:36:A:THR:HG23	1:36:A:THR:HB	20	0.29	0.01	0.29
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	20	0.29	0.01	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	20	0.29	0.0	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	20	0.29	0.0	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	20	0.29	0.0	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	20	0.29	0.0	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	20	0.29	0.0	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	20	0.29	0.0	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	20	0.29	0.0	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	20	0.29	0.0	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	20	0.29	0.0	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	20	0.29	0.0	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	20	0.29	0.0	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	20	0.29	0.0	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	20	0.29	0.0	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	20	0.29	0.0	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	20	0.29	0.0	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	20	0.29	0.0	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	20	0.29	0.0	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	20	0.29	0.0	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	20	0.29	0.0	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	20	0.29	0.0	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	20	0.29	0.0	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	20	0.29	0.0	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	20	0.29	0.0	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	20	0.29	0.0	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	20	0.29	0.0	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	20	0.29	0.0	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	20	0.29	0.0	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	20	0.29	0.0	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	20	0.29	0.0	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	20	0.29	0.0	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	20	0.29	0.0	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	20	0.29	0.0	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	20	0.29	0.0	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	20	0.29	0.0	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	20	0.29	0.0	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	20	0.29	0.0	0.29
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	20	0.29	0.03	0.29
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	20	0.29	0.03	0.29
(1,1726)	1:174:A:ALA:HB1	1:178:A:MET:H	20	0.29	0.03	0.29
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	20	0.29	0.03	0.3
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	20	0.29	0.03	0.29
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	20	0.29	0.03	0.29
(1,2339)	1:239:A:LEU:HD12	1:240:A:VAL:HB	20	0.29	0.03	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	20	0.29	0.02	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG22	20	0.29	0.02	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	20	0.29	0.02	0.29
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	20	0.29	0.04	0.29
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	20	0.29	0.04	0.29
(1,3093)	1:204:A:VAL:HG23	1:204:A:VAL:HA	20	0.29	0.04	0.29
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	20	0.29	0.01	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2654)	1:171:A:THR:HG22	1:174:A:ALA:H	20	0.29	0.01	0.29
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	20	0.29	0.01	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	20	0.29	0.0	0.29
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	20	0.29	0.05	0.27
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	20	0.28	0.02	0.29
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD11	20	0.28	0.02	0.29
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	20	0.28	0.02	0.29
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	20	0.28	0.01	0.28
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	20	0.28	0.02	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	20	0.28	0.02	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB1	20	0.28	0.02	0.29
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	20	0.28	0.02	0.29
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	20	0.28	0.02	0.29
(1,3579)	1:104:A:LEU:HD12	1:136:A:LYS:H	20	0.28	0.02	0.29
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	20	0.28	0.03	0.28
(1,4495)	1:130:A:ALA:HB2	1:133:A:TRP:HD1	20	0.28	0.03	0.28
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	20	0.28	0.03	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	20	0.28	0.01	0.28
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB2	20	0.28	0.02	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	20	0.28	0.02	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	20	0.28	0.02	0.29
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD21	20	0.28	0.1	0.24
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	20	0.28	0.1	0.24
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	20	0.28	0.1	0.24
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	20	0.28	0.02	0.29
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	20	0.28	0.01	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	20	0.28	0.01	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD11	20	0.28	0.01	0.28
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	20	0.28	0.08	0.29
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	20	0.28	0.03	0.28
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	20	0.28	0.03	0.28
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	20	0.28	0.03	0.28
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	20	0.28	0.02	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	20	0.28	0.01	0.28
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	20	0.28	0.02	0.28
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	20	0.28	0.12	0.18
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG21	20	0.28	0.03	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	20	0.28	0.03	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	20	0.28	0.03	0.28
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	20	0.28	0.04	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD12	20	0.28	0.04	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	20	0.28	0.04	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	20	0.28	0.02	0.28
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	20	0.28	0.1	0.28
(1,1745)	1:153:A:ILE:HG21	1:156:A:GLU:H	20	0.28	0.1	0.28
(1,1745)	1:153:A:ILE:HG22	1:156:A:GLU:H	20	0.28	0.1	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	20	0.28	0.02	0.28
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	20	0.28	0.02	0.28
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	20	0.27	0.03	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	20	0.27	0.03	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	20	0.27	0.01	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	20	0.27	0.01	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	20	0.27	0.01	0.27
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	20	0.27	0.03	0.27
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	20	0.27	0.05	0.26
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	20	0.27	0.05	0.26
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD12	20	0.27	0.05	0.26
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	20	0.27	0.03	0.26
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	20	0.27	0.03	0.26
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD12	20	0.27	0.03	0.26
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	20	0.27	0.03	0.27
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	20	0.27	0.03	0.27
(1,4250)	1:239:A:LEU:HD23	1:172:A:TRP:HD1	20	0.27	0.03	0.27
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	20	0.27	0.05	0.28
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	20	0.27	0.04	0.27
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	20	0.27	0.04	0.27
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	20	0.27	0.04	0.27
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	20	0.27	0.02	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	20	0.27	0.01	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	20	0.27	0.01	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB1	20	0.27	0.01	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG11	20	0.27	0.02	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	20	0.27	0.02	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	20	0.27	0.02	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	20	0.27	0.01	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD13	20	0.27	0.01	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	20	0.27	0.01	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	20	0.27	0.02	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	20	0.27	0.02	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB3	20	0.27	0.02	0.27
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	20	0.27	0.02	0.26
(1,1776)	1:119:A:ILE:HD11	1:97:A:LEU:HB2	20	0.27	0.02	0.26
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	20	0.27	0.02	0.26
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	20	0.27	0.02	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	20	0.27	0.02	0.26
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD21	20	0.27	0.02	0.26
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	20	0.27	0.02	0.27
(1,3335)	1:240:A:VAL:HG22	1:235:A:LEU:HB2	20	0.26	0.01	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	20	0.26	0.01	0.26
(1,3335)	1:240:A:VAL:HG23	1:235:A:LEU:HB2	20	0.26	0.01	0.26
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	20	0.26	0.03	0.27
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD13	20	0.26	0.03	0.27
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD11	20	0.26	0.03	0.27
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG21	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG23	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG23	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG22	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG22	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG21	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG22	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG23	20	0.26	0.02	0.26
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG21	20	0.26	0.02	0.26
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	20	0.26	0.06	0.24
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	20	0.26	0.01	0.26
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	20	0.26	0.01	0.26
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	20	0.26	0.05	0.26
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	20	0.26	0.05	0.26
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	20	0.26	0.05	0.26
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	20	0.26	0.06	0.26
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	20	0.26	0.06	0.26
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	20	0.26	0.06	0.26
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	20	0.26	0.02	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	20	0.26	0.02	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	20	0.26	0.02	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD21	20	0.26	0.02	0.26
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	20	0.26	0.02	0.26
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	20	0.26	0.02	0.26
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	20	0.26	0.02	0.26
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	20	0.26	0.02	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	20	0.26	0.04	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD11	20	0.26	0.04	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD12	20	0.26	0.04	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	20	0.26	0.04	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD23	20	0.26	0.04	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	20	0.26	0.04	0.26
(1,2189)	1:48:A:MET:HE1	1:79:A:LEU:HD12	20	0.26	0.03	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD13	20	0.26	0.03	0.27
(1,2189)	1:48:A:MET:HE1	1:79:A:LEU:HD11	20	0.26	0.03	0.27
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD11	20	0.26	0.03	0.27
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD12	20	0.26	0.03	0.27
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD12	20	0.26	0.03	0.27
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD11	20	0.26	0.03	0.27
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	20	0.26	0.01	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	20	0.26	0.01	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	20	0.26	0.01	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	20	0.26	0.02	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	20	0.26	0.02	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG11	20	0.26	0.02	0.26
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	20	0.26	0.04	0.24
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	20	0.26	0.04	0.24
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	20	0.26	0.04	0.24
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	20	0.26	0.02	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	20	0.26	0.02	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD12	20	0.26	0.02	0.26
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	20	0.26	0.03	0.26
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	20	0.26	0.03	0.26
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG21	20	0.26	0.03	0.26
(1,1755)	1:64:A:ILE:HD12	1:83:A:LEU:H	20	0.25	0.04	0.26
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	20	0.25	0.04	0.26
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	20	0.25	0.04	0.26
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	20	0.25	0.02	0.26
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	20	0.25	0.02	0.26
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	20	0.25	0.02	0.26
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	20	0.25	0.01	0.25
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	20	0.25	0.03	0.26
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	20	0.25	0.02	0.26
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	20	0.25	0.02	0.26
(1,1781)	1:137:A:ILE:HD13	1:136:A:LYS:HB3	20	0.25	0.02	0.26
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	20	0.25	0.03	0.24
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	20	0.25	0.02	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	20	0.25	0.02	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	20	0.25	0.02	0.25
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	20	0.25	0.03	0.25
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	20	0.25	0.03	0.25
(1,1553)	1:239:A:LEU:HD11	1:235:A:LEU:HA	20	0.25	0.03	0.25
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	20	0.25	0.03	0.25
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB2	20	0.25	0.03	0.25
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB3	20	0.25	0.03	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	20	0.25	0.02	0.24
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	20	0.25	0.02	0.24
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD22	20	0.25	0.02	0.24
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	20	0.25	0.03	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	20	0.25	0.02	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD13	20	0.25	0.02	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	20	0.25	0.02	0.24
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	20	0.25	0.01	0.25
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	20	0.25	0.01	0.25
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	20	0.25	0.01	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB1	20	0.25	0.01	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	20	0.25	0.01	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	20	0.25	0.01	0.25
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	20	0.25	0.02	0.24
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	20	0.25	0.02	0.24
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD13	20	0.25	0.02	0.24
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	20	0.24	0.03	0.24
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	20	0.24	0.03	0.24
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	20	0.24	0.03	0.24
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	20	0.24	0.07	0.24
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	20	0.24	0.07	0.24
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	20	0.24	0.07	0.24
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	20	0.24	0.05	0.24
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	20	0.24	0.05	0.24
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	20	0.24	0.05	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	20	0.24	0.0	0.24
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	20	0.24	0.02	0.24
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD22	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD22	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD22	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD23	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD21	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD23	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD23	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD21	20	0.24	0.01	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD21	20	0.24	0.01	0.24
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	20	0.24	0.02	0.24
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD11	20	0.24	0.02	0.24
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	20	0.24	0.02	0.24
(1,2704)	1:194:A:ILE:HD12	1:230:A:PRO:HG3	20	0.24	0.04	0.26
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	20	0.24	0.04	0.26
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	20	0.24	0.04	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3716)	1:48:A:MET:HE3	1:49:A:GLN:H	20	0.24	0.03	0.24
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	20	0.24	0.03	0.24
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	20	0.24	0.03	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	20	0.24	0.01	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD11	20	0.24	0.01	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	20	0.24	0.01	0.24
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	20	0.24	0.03	0.24
(1,1723)	1:130:A:ALA:HB2	1:155:A:GLN:HA	20	0.24	0.03	0.24
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	20	0.24	0.03	0.24
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	20	0.24	0.02	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE2	20	0.24	0.02	0.23
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	20	0.24	0.04	0.24
(1,1652)	1:232:A:ALA:HB2	1:222:A:TRP:HZ2	20	0.24	0.04	0.24
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	20	0.24	0.04	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	20	0.24	0.02	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	20	0.24	0.02	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	20	0.24	0.02	0.24
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	20	0.24	0.01	0.24
(1,500)	1:116:A:LEU:HD11	1:100:A:VAL:HA	20	0.24	0.01	0.24
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	20	0.24	0.01	0.24
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	20	0.24	0.04	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	20	0.24	0.02	0.24
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	20	0.24	0.02	0.24
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB2	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG21	1:99:A:ALA:HB3	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB2	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB1	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB3	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB3	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB1	20	0.24	0.01	0.24
(1,1663)	1:100:A:VAL:HG21	1:99:A:ALA:HB2	20	0.24	0.01	0.24
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	20	0.24	0.04	0.23
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD13	20	0.24	0.04	0.23
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD11	20	0.24	0.04	0.23
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	20	0.24	0.03	0.24
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	20	0.24	0.03	0.24
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	20	0.24	0.03	0.24
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	20	0.24	0.04	0.24
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	20	0.23	0.01	0.23
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	20	0.23	0.04	0.24
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	20	0.23	0.03	0.24
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	20	0.23	0.03	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3938)	1:97:A:LEU:HD21	1:132:A:TYR:HD2	20	0.23	0.03	0.24
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	20	0.23	0.03	0.25
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG21	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG22	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG23	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG21	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG23	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG22	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG22	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG23	20	0.23	0.02	0.24
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG21	20	0.23	0.02	0.24
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	20	0.23	0.02	0.23
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	20	0.23	0.05	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD13	20	0.23	0.05	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD11	20	0.23	0.05	0.24
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	20	0.23	0.04	0.24
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	20	0.23	0.04	0.24
(1,3670)	1:98:A:LEU:HD23	1:65:A:ARG:H	20	0.23	0.04	0.24
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	20	0.23	0.03	0.23
(1,521)	1:175:A:LEU:HD23	1:202:A:GLN:HB3	20	0.23	0.03	0.23
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	20	0.23	0.03	0.23
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	20	0.23	0.06	0.22
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD11	20	0.23	0.04	0.23
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	20	0.23	0.04	0.23
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD13	20	0.23	0.04	0.23
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	20	0.23	0.03	0.22
(1,2446)	1:175:A:LEU:HD21	1:171:A:THR:HB	20	0.23	0.03	0.22
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	20	0.23	0.03	0.22
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	20	0.23	0.02	0.23
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	20	0.23	0.02	0.23
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD11	20	0.23	0.02	0.23
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	20	0.23	0.02	0.23
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	20	0.23	0.03	0.23
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	20	0.23	0.02	0.23
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	20	0.23	0.02	0.23
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	20	0.23	0.02	0.23
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	20	0.23	0.03	0.22
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	20	0.23	0.01	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	20	0.23	0.01	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD21	20	0.23	0.01	0.23
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	20	0.23	0.02	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	20	0.23	0.02	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD11	20	0.23	0.02	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	20	0.23	0.01	0.23
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	20	0.23	0.19	0.17
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	20	0.23	0.03	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	20	0.23	0.03	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB3	20	0.23	0.03	0.22
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	20	0.23	0.03	0.22
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	20	0.23	0.03	0.22
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG23	20	0.23	0.03	0.22
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	20	0.22	0.02	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	20	0.22	0.03	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB1	20	0.22	0.03	0.22
(1,338)	1:43:A:PHE:H	1:42:A:ALA:HB1	20	0.22	0.03	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB2	20	0.22	0.03	0.22
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	20	0.22	0.06	0.23
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	20	0.22	0.05	0.22
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE3	20	0.22	0.05	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB2	20	0.22	0.01	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	20	0.22	0.01	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG21	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG21	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG22	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG23	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG22	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG23	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG22	20	0.22	0.01	0.22
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG23	20	0.22	0.01	0.22
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	20	0.22	0.03	0.22
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	20	0.22	0.03	0.22
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	20	0.22	0.03	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	20	0.22	0.01	0.22
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	20	0.22	0.02	0.22
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	20	0.22	0.02	0.22
(1,1665)	1:42:A:ALA:HB2	1:40:A:ASP:HB2	20	0.22	0.02	0.22
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	20	0.22	0.04	0.21
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	20	0.22	0.04	0.21
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	20	0.22	0.04	0.21
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	20	0.22	0.02	0.22
(1,3806)	1:67:A:LEU:HD13	1:79:A:LEU:HD21	20	0.22	0.02	0.22
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD21	20	0.22	0.02	0.22
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD22	20	0.22	0.02	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD23	20	0.22	0.02	0.22
(1,3806)	1:67:A:LEU:HD13	1:79:A:LEU:HD22	20	0.22	0.02	0.22
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD22	20	0.22	0.02	0.22
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD23	20	0.22	0.02	0.22
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	20	0.22	0.03	0.22
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	20	0.22	0.03	0.22
(1,1532)	1:116:A:LEU:HD13	1:113:A:GLN:HB3	20	0.22	0.03	0.22
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	20	0.22	0.03	0.22
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	20	0.22	0.03	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG22	20	0.22	0.01	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	20	0.22	0.01	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG23	20	0.22	0.01	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	20	0.22	0.02	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	20	0.22	0.02	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	20	0.22	0.02	0.22
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	20	0.22	0.03	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	20	0.22	0.02	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB2	20	0.22	0.02	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB1	20	0.22	0.02	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	20	0.22	0.02	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	20	0.22	0.0	0.22
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	20	0.22	0.02	0.21
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB1	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB3	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB3	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB3	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB2	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB1	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB1	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB2	20	0.22	0.04	0.22
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB2	20	0.22	0.04	0.22
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	20	0.22	0.01	0.21
(1,1535)	1:116:A:LEU:HD13	1:136:A:LYS:HD2	20	0.22	0.01	0.21
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	20	0.22	0.01	0.21
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	20	0.22	0.04	0.22
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	20	0.22	0.04	0.22
(1,1846)	1:55:A:THR:HG23	1:56:A:ARG:HA	20	0.22	0.04	0.22
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	20	0.21	0.02	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	20	0.21	0.01	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	20	0.21	0.01	0.21
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	20	0.21	0.02	0.21
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	20	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	20	0.21	0.01	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	20	0.21	0.01	0.21
(1,2952)	1:57:A:ILE:HD11	1:84:A:PRO:HG2	20	0.21	0.03	0.2
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	20	0.21	0.03	0.2
(1,2952)	1:57:A:ILE:HD13	1:84:A:PRO:HG2	20	0.21	0.03	0.2
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	20	0.21	0.02	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	20	0.21	0.0	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	20	0.21	0.0	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	20	0.21	0.02	0.21
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	20	0.21	0.02	0.22
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	20	0.21	0.02	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	20	0.21	0.02	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB1	20	0.21	0.02	0.2
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	20	0.21	0.04	0.2
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	20	0.21	0.0	0.21
(1,4371)	1:32:A:TYR:HE2	1:32:A:TYR:HD2	20	0.21	0.0	0.21
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	20	0.21	0.05	0.18
(1,2961)	1:199:A:LEU:HD22	1:183:A:ALA:HB1	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB2	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD22	1:183:A:ALA:HB2	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB3	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB2	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB1	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB1	20	0.21	0.02	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB3	20	0.21	0.02	0.21
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	20	0.21	0.04	0.21
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	20	0.21	0.02	0.2
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	20	0.21	0.05	0.22
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	20	0.21	0.05	0.22
(1,2591)	1:124:A:LEU:HD21	1:129:A:GLN:HG2	20	0.21	0.05	0.22
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	20	0.21	0.04	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	20	0.21	0.01	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	20	0.21	0.02	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	20	0.21	0.02	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	20	0.21	0.02	0.21
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	20	0.21	0.03	0.22
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	20	0.21	0.02	0.21
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG22	20	0.21	0.02	0.21
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	20	0.21	0.02	0.21
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	20	0.21	0.05	0.2
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	20	0.21	0.05	0.2
(1,3899)	1:154:A:ALA:HB1	1:129:A:GLN:HB3	20	0.21	0.05	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	20	0.2	0.01	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	20	0.2	0.01	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	20	0.2	0.01	0.21
(1,2935)	1:83:A:LEU:HD23	1:98:A:LEU:HB2	20	0.2	0.05	0.22
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	20	0.2	0.05	0.22
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	20	0.2	0.05	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	20	0.2	0.03	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	20	0.2	0.03	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD22	20	0.2	0.03	0.22
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	20	0.2	0.02	0.2
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	20	0.2	0.05	0.2
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	20	0.2	0.03	0.2
(1,1583)	1:158:A:LEU:HD12	1:126:A:GLN:HB3	20	0.2	0.03	0.2
(1,1583)	1:158:A:LEU:HD13	1:126:A:GLN:HB3	20	0.2	0.03	0.2
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD12	20	0.2	0.04	0.2
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	20	0.2	0.04	0.2
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	20	0.2	0.04	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	20	0.2	0.02	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	20	0.2	0.02	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	20	0.2	0.02	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	20	0.2	0.02	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	20	0.2	0.02	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD22	20	0.2	0.02	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	20	0.2	0.01	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	20	0.2	0.01	0.2
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	20	0.2	0.02	0.2
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	20	0.2	0.04	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	20	0.2	0.01	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	20	0.19	0.01	0.2
(1,1587)	1:240:A:VAL:HG23	1:240:A:VAL:HA	20	0.19	0.01	0.19
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	20	0.19	0.01	0.19
(1,1587)	1:240:A:VAL:HG21	1:240:A:VAL:HA	20	0.19	0.01	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	20	0.19	0.01	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	20	0.19	0.02	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	20	0.19	0.0	0.19
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	20	0.19	0.03	0.2
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	20	0.19	0.02	0.19
(1,2776)	1:97:A:LEU:HD13	1:98:A:LEU:HA	20	0.19	0.02	0.19
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	20	0.19	0.02	0.19
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	20	0.19	0.02	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG21	20	0.19	0.01	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG21	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG22	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG22	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG11	1:204:A:VAL:HG21	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG23	20	0.19	0.01	0.19
(1,1577)	1:204:A:VAL:HG11	1:204:A:VAL:HG23	20	0.19	0.01	0.19
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	20	0.19	0.01	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	20	0.19	0.01	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	20	0.19	0.01	0.18
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB3	20	0.19	0.01	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	20	0.19	0.01	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	20	0.19	0.01	0.19
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	20	0.19	0.01	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	20	0.19	0.01	0.19
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	20	0.19	0.02	0.18
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	20	0.18	0.05	0.18
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	20	0.18	0.02	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	20	0.18	0.01	0.18
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	20	0.18	0.02	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	20	0.18	0.02	0.18
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	20	0.18	0.04	0.18
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	20	0.18	0.02	0.17
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	20	0.18	0.01	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	20	0.18	0.01	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	20	0.18	0.02	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD13	20	0.18	0.02	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	20	0.18	0.02	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	20	0.18	0.02	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	20	0.18	0.02	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG22	20	0.18	0.02	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	20	0.18	0.01	0.18
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	20	0.18	0.01	0.18
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	20	0.18	0.01	0.18
(1,2911)	1:115:A:LEU:HD22	1:115:A:LEU:HA	20	0.18	0.01	0.18
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	20	0.18	0.03	0.18
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	20	0.18	0.01	0.18
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	20	0.18	0.01	0.18
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	20	0.18	0.01	0.18
(1,416)	1:239:A:LEU:HD23	1:239:A:LEU:HD11	20	0.18	0.01	0.18
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	20	0.18	0.01	0.18
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD12	20	0.18	0.01	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	20	0.18	0.01	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG22	20	0.18	0.01	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	20	0.18	0.01	0.18
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	20	0.18	0.02	0.17
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	20	0.18	0.02	0.17
(1,1780)	1:137:A:ILE:HD13	1:137:A:ILE:HA	20	0.18	0.02	0.17
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	20	0.18	0.03	0.17
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	20	0.18	0.04	0.18
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	20	0.18	0.04	0.18
(1,3719)	1:33:A:MET:HE2	1:33:A:MET:HG3	20	0.18	0.04	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	20	0.17	0.01	0.18
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	20	0.17	0.03	0.18
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	20	0.17	0.04	0.17
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	20	0.17	0.04	0.17
(1,1661)	1:66:A:ALA:HB3	1:70:A:GLU:HG2	20	0.17	0.04	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	20	0.17	0.0	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD11	20	0.17	0.02	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	20	0.17	0.02	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD13	20	0.17	0.02	0.17
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	20	0.17	0.01	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	20	0.17	0.02	0.17
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	20	0.17	0.04	0.18
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	20	0.17	0.04	0.18
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB1	20	0.17	0.04	0.18
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD22	20	0.17	0.01	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	20	0.17	0.01	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	20	0.17	0.01	0.17
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	20	0.17	0.04	0.16
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	20	0.17	0.02	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	20	0.17	0.02	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD23	20	0.17	0.02	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	20	0.17	0.04	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	20	0.17	0.04	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG21	20	0.17	0.04	0.17
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	20	0.17	0.02	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	20	0.17	0.02	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD22	20	0.17	0.02	0.16
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	20	0.17	0.01	0.17
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	20	0.17	0.02	0.16
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	20	0.17	0.02	0.16
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	20	0.17	0.02	0.16
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	20	0.17	0.02	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3628)	1:175:A:LEU:HD13	1:199:A:LEU:HB3	20	0.17	0.02	0.17
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	20	0.17	0.02	0.17
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	20	0.17	0.03	0.16
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD12	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD11	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD12	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD13	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD11	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD12	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD13	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD13	20	0.17	0.03	0.17
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD11	20	0.17	0.03	0.17
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	20	0.17	0.03	0.17
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	20	0.17	0.03	0.17
(1,1764)	1:219:A:ILE:HD12	1:239:A:LEU:HA	20	0.17	0.03	0.17
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	20	0.16	0.02	0.16
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	20	0.16	0.03	0.16
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	20	0.16	0.03	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	20	0.16	0.01	0.16
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB3	20	0.16	0.02	0.16
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	20	0.16	0.02	0.16
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	20	0.16	0.02	0.16
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	20	0.16	0.01	0.16
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	20	0.16	0.01	0.16
(1,1700)	1:220:A:ALA:HB2	1:220:A:ALA:HA	20	0.16	0.01	0.16
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	20	0.16	0.01	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	20	0.16	0.01	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	20	0.16	0.03	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG21	20	0.16	0.03	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG22	20	0.16	0.03	0.16
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	20	0.16	0.02	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG21	20	0.16	0.01	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	20	0.16	0.01	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	20	0.16	0.01	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	20	0.16	0.01	0.16
(1,259)	1:203:A:ARG:HD2	1:203:A:ARG:HG2	20	0.16	0.01	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	20	0.16	0.02	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	20	0.16	0.01	0.16
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	20	0.16	0.03	0.17
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	20	0.16	0.02	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	20	0.16	0.02	0.16
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	20	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	20	0.16	0.02	0.16
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG22	20	0.16	0.03	0.16
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	20	0.16	0.03	0.16
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG23	20	0.16	0.03	0.16
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	20	0.16	0.02	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	20	0.16	0.02	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG21	20	0.16	0.02	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	20	0.16	0.02	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	20	0.16	0.02	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	20	0.16	0.02	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	20	0.16	0.01	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	20	0.16	0.02	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB3	20	0.16	0.02	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	20	0.16	0.02	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	20	0.16	0.01	0.15
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	20	0.16	0.03	0.15
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	20	0.15	0.03	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	20	0.15	0.01	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	20	0.15	0.02	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB2	20	0.15	0.02	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	20	0.15	0.02	0.16
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	20	0.15	0.02	0.16
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	20	0.15	0.0	0.15
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	20	0.15	0.02	0.15
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	20	0.15	0.02	0.15
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	20	0.15	0.02	0.15
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	20	0.15	0.03	0.16
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	20	0.15	0.02	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	20	0.15	0.01	0.15
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	20	0.15	0.03	0.15
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	20	0.15	0.01	0.15
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	20	0.15	0.02	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	20	0.15	0.01	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	20	0.15	0.01	0.15
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	20	0.15	0.01	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	20	0.14	0.01	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	20	0.14	0.01	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	20	0.14	0.01	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	20	0.14	0.0	0.14
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	20	0.14	0.02	0.15
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	20	0.14	0.02	0.14
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	20	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	20	0.14	0.01	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	20	0.14	0.01	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	20	0.14	0.01	0.14
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	20	0.14	0.02	0.14
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	20	0.14	0.02	0.14
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG13	20	0.14	0.02	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	20	0.14	0.0	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	20	0.14	0.01	0.14
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	20	0.14	0.01	0.13
(1,258)	1:203:A:ARG:HD3	1:203:A:ARG:HG3	20	0.14	0.01	0.13
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	20	0.14	0.01	0.14
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	20	0.14	0.01	0.14
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	20	0.14	0.01	0.14
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	20	0.14	0.01	0.14
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	20	0.13	0.01	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	20	0.13	0.01	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	20	0.13	0.01	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	20	0.13	0.01	0.13
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	20	0.13	0.01	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	20	0.13	0.01	0.13
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	20	0.13	0.01	0.13
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	20	0.13	0.01	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	20	0.13	0.01	0.13
(1,1490)	1:235:A:LEU:HD11	1:235:A:LEU:HG	20	0.13	0.01	0.13
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	20	0.13	0.01	0.13
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	20	0.13	0.01	0.13
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG11	20	0.13	0.01	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	20	0.13	0.01	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG12	20	0.13	0.01	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	20	0.12	0.01	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	20	0.12	0.01	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	20	0.12	0.01	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	20	0.12	0.01	0.12
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	20	0.12	0.01	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	20	0.11	0.0	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	20	0.11	0.0	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	20	0.11	0.0	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	20	0.1	0.0	0.1
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	19	1.47	0.74	1.33
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	19	1.15	0.36	1.33
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	19	1.15	0.36	1.33
(1,4302)	1:61:A:LEU:HD12	1:91:A:GLN:HE22	19	1.15	0.36	1.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	19	1.05	0.22	1.1
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	19	0.85	0.31	0.98
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	19	0.78	0.01	0.78
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	19	0.67	0.01	0.67
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	19	0.64	0.33	0.49
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD21	19	0.64	0.33	0.49
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD22	19	0.64	0.33	0.49
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	19	0.63	0.1	0.66
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	19	0.55	0.37	0.43
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	19	0.54	0.14	0.58
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG22	19	0.46	0.2	0.44
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG21	19	0.46	0.2	0.44
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG23	19	0.46	0.2	0.44
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG22	19	0.46	0.2	0.44
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG23	19	0.46	0.2	0.44
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG21	19	0.46	0.2	0.44
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	19	0.46	0.02	0.46
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	19	0.46	0.02	0.46
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG22	19	0.46	0.02	0.46
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	19	0.43	0.31	0.3
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	19	0.42	0.06	0.44
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	19	0.42	0.07	0.43
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	19	0.42	0.07	0.43
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	19	0.42	0.07	0.43
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	19	0.42	0.12	0.45
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	19	0.42	0.21	0.42
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	19	0.41	0.14	0.42
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	19	0.41	0.01	0.41
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	19	0.39	0.13	0.43
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD11	19	0.39	0.13	0.43
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD12	19	0.39	0.13	0.43
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	19	0.33	0.09	0.31
(1,2577)	1:79:A:LEU:HD13	1:60:A:GLN:HE22	19	0.33	0.09	0.31
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	19	0.33	0.09	0.31
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	19	0.33	0.06	0.3
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	19	0.32	0.08	0.32
(1,1685)	1:135:A:ALA:HB1	1:132:A:TYR:HA	19	0.32	0.08	0.32
(1,1685)	1:135:A:ALA:HB2	1:132:A:TYR:HA	19	0.32	0.08	0.32
(1,2144)	1:194:A:ILE:HD11	1:226:A:TYR:HD2	19	0.31	0.09	0.32
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	19	0.31	0.09	0.32
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	19	0.31	0.09	0.32
(1,4043)	1:25:A:THR:HG23	1:24:A:HIS:HA	19	0.29	0.05	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	19	0.29	0.05	0.3
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	19	0.29	0.05	0.3
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	19	0.29	0.07	0.3
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	19	0.29	0.07	0.3
(1,4222)	1:188:A:ILE:HG23	1:196:A:GLN:HE22	19	0.29	0.07	0.3
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	19	0.27	0.05	0.28
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	19	0.27	0.05	0.28
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG23	19	0.27	0.05	0.28
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	19	0.26	0.05	0.27
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	19	0.26	0.05	0.27
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	19	0.26	0.05	0.27
(1,3647)	1:62:A:LEU:HD13	1:66:A:ALA:H	19	0.26	0.08	0.26
(1,3647)	1:62:A:LEU:HD12	1:66:A:ALA:H	19	0.26	0.08	0.26
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	19	0.26	0.08	0.26
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	19	0.26	0.11	0.19
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	19	0.26	0.11	0.19
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	19	0.26	0.11	0.19
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	19	0.25	0.09	0.25
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	19	0.25	0.09	0.25
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	19	0.25	0.09	0.25
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	19	0.25	0.07	0.24
(1,271)	1:54:A:ASP:HB2	1:55:A:THR:HA	19	0.25	0.07	0.24
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	19	0.25	0.04	0.26
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB2	19	0.25	0.04	0.26
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	19	0.25	0.04	0.26
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	19	0.25	0.05	0.25
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	19	0.24	0.05	0.22
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	19	0.24	0.05	0.22
(1,1784)	1:188:A:ILE:HD12	1:192:A:GLU:HA	19	0.24	0.05	0.22
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	19	0.24	0.04	0.26
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD22	19	0.24	0.04	0.26
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	19	0.24	0.04	0.26
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	19	0.24	0.08	0.23
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	19	0.24	0.06	0.23
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD11	19	0.23	0.04	0.24
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD13	19	0.23	0.04	0.24
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	19	0.23	0.04	0.24
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	19	0.23	0.05	0.24
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	19	0.23	0.05	0.24
(1,2677)	1:102:A:ILE:HG23	1:106:A:GLN:HE22	19	0.23	0.05	0.24
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	19	0.22	0.05	0.22
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	19	0.21	0.06	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	19	0.21	0.06	0.21
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD22	19	0.21	0.06	0.21
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	19	0.2	0.06	0.2
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	19	0.2	0.06	0.2
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB3	19	0.2	0.06	0.2
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	19	0.2	0.04	0.22
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD13	19	0.2	0.04	0.22
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD11	19	0.2	0.04	0.22
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB2	19	0.19	0.02	0.2
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	19	0.19	0.02	0.2
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB1	19	0.19	0.02	0.2
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	19	0.19	0.02	0.19
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	19	0.19	0.02	0.19
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	19	0.19	0.03	0.18
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	19	0.19	0.03	0.18
(1,3785)	1:152:A:LEU:HD23	1:171:A:THR:HB	19	0.19	0.03	0.18
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	19	0.18	0.03	0.18
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	19	0.17	0.03	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	19	0.17	0.0	0.17
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	19	0.17	0.02	0.16
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	19	0.16	0.05	0.16
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	19	0.16	0.03	0.16
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD12	19	0.16	0.03	0.16
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD13	19	0.16	0.03	0.16
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	19	0.16	0.03	0.15
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	19	0.16	0.03	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	19	0.16	0.02	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB1	19	0.16	0.02	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	19	0.16	0.02	0.15
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	19	0.15	0.02	0.16
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	19	0.15	0.02	0.15
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	19	0.15	0.02	0.15
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB1	19	0.15	0.02	0.15
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	19	0.15	0.03	0.15
(1,1585)	1:158:A:LEU:HD12	1:158:A:LEU:HA	19	0.15	0.03	0.15
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	19	0.15	0.03	0.15
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	19	0.15	0.02	0.15
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	19	0.15	0.03	0.16
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	19	0.15	0.02	0.15
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	19	0.15	0.02	0.14
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	19	0.15	0.02	0.15
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	19	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	19	0.14	0.02	0.15
(1,2895)	1:217:A:ALA:HB1	1:216:A:LYS:HD2	19	0.14	0.02	0.14
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	19	0.14	0.02	0.14
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	19	0.14	0.02	0.14
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	19	0.14	0.02	0.13
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	19	0.14	0.02	0.14
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	19	0.14	0.02	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	19	0.13	0.02	0.13
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	19	0.13	0.02	0.13
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	19	0.13	0.02	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	19	0.13	0.01	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	19	0.13	0.01	0.13
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	19	0.12	0.01	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	19	0.12	0.0	0.12
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	19	0.11	0.0	0.11
(1,4009)	1:185:A:THR:HG23	1:182:A:GLN:HG2	18	1.38	0.46	1.54
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	18	1.38	0.46	1.54
(1,4009)	1:185:A:THR:HG22	1:182:A:GLN:HG2	18	1.38	0.46	1.54
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	18	1.32	0.46	1.52
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG23	18	1.32	0.46	1.52
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	18	1.32	0.46	1.52
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	18	0.98	0.11	0.98
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	18	0.6	0.24	0.58
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	18	0.46	0.42	0.14
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD12	18	0.44	0.14	0.46
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	18	0.44	0.14	0.46
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD11	18	0.44	0.14	0.46
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	18	0.41	0.1	0.45
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	18	0.41	0.1	0.45
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB1	18	0.41	0.1	0.45
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	18	0.33	0.06	0.35
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	18	0.33	0.03	0.32
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE2	18	0.28	0.06	0.29
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE3	18	0.28	0.06	0.29
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE3	18	0.28	0.06	0.29
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE2	18	0.28	0.06	0.29
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE2	18	0.28	0.06	0.29
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE3	18	0.28	0.06	0.29
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	18	0.27	0.09	0.25
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	18	0.27	0.07	0.26
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	18	0.27	0.07	0.26
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD22	18	0.27	0.07	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	18	0.27	0.02	0.27
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	18	0.24	0.08	0.25
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	18	0.24	0.08	0.25
(1,1973)	1:146:A:ILE:HD13	1:189:A:ASN:H	18	0.24	0.08	0.25
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	18	0.22	0.04	0.22
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD22	18	0.22	0.04	0.22
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	18	0.22	0.04	0.22
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	18	0.2	0.04	0.2
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	18	0.2	0.06	0.16
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	18	0.19	0.04	0.2
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	18	0.19	0.03	0.18
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	18	0.19	0.04	0.2
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	18	0.19	0.04	0.2
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	18	0.18	0.04	0.18
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD21	18	0.18	0.02	0.18
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD22	18	0.18	0.02	0.18
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD21	18	0.18	0.02	0.18
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD22	18	0.18	0.02	0.18
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD21	18	0.18	0.02	0.18
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD23	18	0.18	0.02	0.18
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD22	18	0.18	0.02	0.18
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	18	0.18	0.05	0.2
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	18	0.18	0.05	0.2
(1,2227)	1:55:A:THR:HG23	1:48:A:MET:HA	18	0.18	0.05	0.2
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	18	0.18	0.04	0.17
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	18	0.18	0.04	0.17
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	18	0.18	0.04	0.17
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG23	18	0.18	0.04	0.18
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	18	0.18	0.04	0.18
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	18	0.18	0.04	0.18
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	18	0.18	0.04	0.17
(1,461)	1:212:A:PRO:HA	1:212:A:PRO:HD2	18	0.18	0.04	0.17
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	18	0.17	0.03	0.18
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	18	0.17	0.03	0.18
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	18	0.17	0.03	0.18
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	18	0.17	0.03	0.16
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	18	0.16	0.04	0.15
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	18	0.15	0.02	0.15
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	18	0.14	0.03	0.14
(1,1616)	1:77:A:VAL:HG13	1:77:A:VAL:HA	18	0.14	0.03	0.16
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	18	0.14	0.03	0.16
(1,1616)	1:77:A:VAL:HG11	1:77:A:VAL:HA	18	0.14	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	18	0.14	0.02	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	18	0.14	0.02	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD23	18	0.14	0.02	0.13
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	18	0.14	0.03	0.13
(1,3797)	1:179:A:THR:HG21	1:179:A:THR:HA	18	0.14	0.03	0.13
(1,3797)	1:179:A:THR:HG22	1:179:A:THR:HA	18	0.14	0.03	0.13
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	18	0.13	0.02	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	18	0.12	0.01	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD13	18	0.12	0.02	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	18	0.12	0.02	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	18	0.12	0.02	0.12
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	18	0.11	0.01	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	18	0.11	0.0	0.11
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	17	1.42	0.03	1.43
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	17	0.68	0.48	0.33
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	17	0.68	0.15	0.71
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	17	0.46	0.2	0.42
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	17	0.46	0.2	0.42
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	17	0.35	0.07	0.37
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	17	0.32	0.12	0.27
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	17	0.32	0.12	0.27
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD11	17	0.32	0.12	0.27
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	17	0.3	0.07	0.32
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	17	0.28	0.1	0.26
(1,2757)	1:62:A:LEU:HD13	1:65:A:ARG:HD3	17	0.25	0.12	0.22
(1,2757)	1:62:A:LEU:HD12	1:65:A:ARG:HD3	17	0.25	0.12	0.22
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	17	0.25	0.12	0.22
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	17	0.24	0.06	0.25
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	17	0.24	0.06	0.25
(1,4239)	1:175:A:LEU:HD23	1:222:A:TRP:HZ2	17	0.24	0.06	0.25
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	17	0.24	0.06	0.26
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	17	0.24	0.06	0.26
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG21	17	0.24	0.06	0.26
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	17	0.22	0.09	0.2
(1,3762)	1:57:A:ILE:HG22	1:83:A:LEU:HA	17	0.22	0.09	0.2
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	17	0.22	0.09	0.2
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	17	0.22	0.06	0.21
(1,2201)	1:137:A:ILE:HG21	1:140:A:SER:HB2	17	0.22	0.06	0.21
(1,2201)	1:137:A:ILE:HG22	1:140:A:SER:HB2	17	0.22	0.06	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD11	17	0.21	0.02	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	17	0.21	0.02	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD12	17	0.21	0.02	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	17	0.19	0.05	0.2
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD11	17	0.19	0.05	0.2
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	17	0.19	0.05	0.2
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	17	0.19	0.02	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD21	17	0.19	0.02	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	17	0.19	0.02	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	17	0.19	0.02	0.19
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD12	17	0.18	0.06	0.15
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	17	0.18	0.06	0.15
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	17	0.18	0.06	0.15
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	17	0.16	0.03	0.16
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	17	0.16	0.03	0.16
(1,1669)	1:31:A:ALA:HB2	1:37:A:ALA:H	17	0.16	0.03	0.16
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	17	0.16	0.04	0.15
(1,4434)	1:37:A:ALA:HB3	1:32:A:TYR:HE1	17	0.16	0.04	0.15
(1,4434)	1:37:A:ALA:HB1	1:32:A:TYR:HE1	17	0.16	0.04	0.15
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	17	0.16	0.04	0.15
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	17	0.15	0.04	0.15
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	17	0.15	0.04	0.15
(1,1659)	1:66:A:ALA:HB1	1:63:A:ALA:HA	17	0.15	0.04	0.15
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	17	0.15	0.04	0.14
(1,1624)	1:37:A:ALA:HB1	1:31:A:ALA:HA	17	0.15	0.04	0.14
(1,1624)	1:37:A:ALA:HB2	1:31:A:ALA:HA	17	0.15	0.04	0.14
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	17	0.15	0.04	0.14
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	17	0.14	0.03	0.14
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	17	0.14	0.02	0.13
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD21	17	0.13	0.02	0.13
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	17	0.13	0.02	0.13
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD23	17	0.13	0.02	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	17	0.13	0.01	0.13
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	17	0.11	0.01	0.11
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	17	0.11	0.01	0.11
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	17	0.11	0.01	0.11
(1,3664)	1:115:A:LEU:HD21	1:115:A:LEU:HG	17	0.11	0.01	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	17	0.11	0.0	0.11
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	17	0.11	0.01	0.11
(1,2306)	1:119:A:ILE:HD12	1:119:A:ILE:HG13	17	0.11	0.01	0.11
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	17	0.11	0.01	0.11
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD13	16	1.33	0.62	1.78
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD11	16	1.33	0.62	1.78
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	16	1.33	0.62	1.78
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	16	1.32	0.52	1.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	16	1.3	0.19	1.35
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	16	0.51	0.05	0.51
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	16	0.5	0.4	0.25
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	16	0.46	0.28	0.34
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	16	0.46	0.02	0.46
(1,4321)	1:146:A:ILE:HD11	1:150:A:ARG:HD3	16	0.46	0.26	0.56
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	16	0.46	0.26	0.56
(1,4321)	1:146:A:ILE:HD13	1:150:A:ARG:HD3	16	0.46	0.26	0.56
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD23	16	0.44	0.18	0.52
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	16	0.44	0.18	0.52
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	16	0.44	0.18	0.52
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	16	0.4	0.17	0.48
(1,1990)	1:168:A:ILE:HD13	1:167:A:ASN:HB3	16	0.4	0.17	0.48
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	16	0.4	0.17	0.48
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	16	0.32	0.04	0.34
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	16	0.29	0.06	0.3
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	16	0.27	0.17	0.18
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	16	0.26	0.02	0.26
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG22	16	0.26	0.02	0.26
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	16	0.26	0.02	0.26
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	16	0.25	0.08	0.24
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	16	0.25	0.04	0.26
(1,4181)	1:62:A:LEU:HD11	1:62:A:LEU:HB3	16	0.25	0.04	0.26
(1,4181)	1:62:A:LEU:HD12	1:62:A:LEU:HB3	16	0.25	0.04	0.26
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	16	0.23	0.4	0.13
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	16	0.21	0.1	0.18
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	16	0.21	0.1	0.18
(1,2945)	1:83:A:LEU:HD23	1:80:A:PHE:HE1	16	0.21	0.1	0.18
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	16	0.21	0.03	0.22
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE3	16	0.21	0.03	0.22
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	16	0.2	0.04	0.2
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	16	0.19	0.03	0.19
(1,1602)	1:30:A:THR:HG22	1:34:A:GLN:HE22	16	0.19	0.05	0.17
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	16	0.19	0.05	0.17
(1,1602)	1:30:A:THR:HG23	1:34:A:GLN:HE22	16	0.19	0.05	0.17
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	16	0.19	0.04	0.18
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	16	0.19	0.04	0.18
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG21	16	0.19	0.04	0.18
(1,2873)	1:219:A:ILE:HG21	1:216:A:LYS:HA	16	0.18	0.04	0.18
(1,2873)	1:219:A:ILE:HG22	1:216:A:LYS:HA	16	0.18	0.04	0.18
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	16	0.18	0.04	0.18
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	16	0.18	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	16	0.16	0.04	0.15
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	16	0.16	0.06	0.13
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	16	0.16	0.06	0.13
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD13	16	0.16	0.06	0.13
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	16	0.16	0.04	0.16
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	16	0.15	0.02	0.15
(1,1574)	1:195:A:LEU:HD11	1:198:A:TRP:HD1	16	0.14	0.03	0.14
(1,1574)	1:195:A:LEU:HD13	1:198:A:TRP:HD1	16	0.14	0.03	0.14
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	16	0.14	0.03	0.14
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	16	0.14	0.02	0.14
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	16	0.13	0.02	0.13
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	16	0.13	0.01	0.13
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	16	0.13	0.01	0.13
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	16	0.12	0.02	0.12
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	16	0.12	0.01	0.11
(1,4336)	1:178:A:MET:HE2	1:182:A:GLN:HE22	15	1.33	0.12	1.31
(1,4336)	1:178:A:MET:HE3	1:182:A:GLN:HE22	15	1.33	0.12	1.31
(1,4336)	1:178:A:MET:HE1	1:182:A:GLN:HE22	15	1.33	0.12	1.31
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	15	0.93	0.02	0.93
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE2	15	0.73	0.4	0.61
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE2	15	0.73	0.4	0.61
(1,422)	1:168:A:ILE:HD13	1:233:A:LYS:HE2	15	0.73	0.4	0.61
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE3	15	0.73	0.4	0.61
(1,422)	1:168:A:ILE:HD13	1:233:A:LYS:HE3	15	0.73	0.4	0.61
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE3	15	0.73	0.4	0.61
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	15	0.49	0.53	0.13
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	15	0.46	0.02	0.46
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG23	15	0.46	0.02	0.46
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	15	0.46	0.02	0.46
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	15	0.38	0.2	0.36
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	15	0.32	0.13	0.32
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB2	15	0.3	0.1	0.3
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB2	15	0.3	0.1	0.3
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB1	15	0.3	0.1	0.3
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB1	15	0.3	0.1	0.3
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB3	15	0.3	0.1	0.3
(1,3728)	1:137:A:ILE:HG22	1:170:A:ALA:HB2	15	0.3	0.1	0.3
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	15	0.24	0.07	0.24
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	15	0.22	0.01	0.22
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	15	0.21	0.1	0.15
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB1	15	0.21	0.1	0.15
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB3	15	0.21	0.1	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	15	0.2	0.07	0.19
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD11	15	0.2	0.07	0.19
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD12	15	0.2	0.07	0.19
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	15	0.2	0.07	0.18
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG23	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG22	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG21	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG22	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD12	1:102:A:ILE:HG22	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD12	1:102:A:ILE:HG23	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG21	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG23	15	0.19	0.05	0.19
(1,1792)	1:102:A:ILE:HD12	1:102:A:ILE:HG21	15	0.19	0.05	0.19
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	15	0.18	0.01	0.18
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	15	0.16	0.04	0.17
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	15	0.15	0.04	0.14
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	15	0.15	0.04	0.14
(1,2674)	1:130:A:ALA:HB1	1:127:A:ASN:HD22	15	0.15	0.04	0.14
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	15	0.15	0.05	0.14
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE2	15	0.15	0.03	0.15
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE3	15	0.15	0.03	0.15
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE1	15	0.15	0.03	0.15
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	15	0.14	0.02	0.13
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	15	0.14	0.02	0.13
(1,333)	1:116:A:LEU:HD23	1:100:A:VAL:HB	15	0.14	0.02	0.13
(1,333)	1:116:A:LEU:HD21	1:100:A:VAL:HB	15	0.14	0.02	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD13	15	0.13	0.02	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	15	0.13	0.02	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	15	0.13	0.02	0.13
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	15	0.13	0.02	0.13
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	15	0.13	0.02	0.13
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	15	0.13	0.01	0.12
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD12	15	0.13	0.02	0.13
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	15	0.13	0.02	0.13
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD11	15	0.13	0.02	0.13
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	15	0.12	0.02	0.13
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	15	0.12	0.01	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	15	0.12	0.0	0.12
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB2	15	0.11	0.01	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	15	0.11	0.01	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB1	15	0.11	0.01	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	15	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	14	0.61	0.44	0.4
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	14	0.58	0.26	0.74
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	14	0.53	0.28	0.48
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG21	14	0.53	0.28	0.48
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG22	14	0.53	0.28	0.48
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	14	0.45	0.24	0.33
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	14	0.33	0.13	0.32
(1,3649)	1:62:A:LEU:HD11	1:62:A:LEU:H	14	0.32	0.05	0.32
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	14	0.32	0.05	0.32
(1,3649)	1:62:A:LEU:HD12	1:62:A:LEU:H	14	0.32	0.05	0.32
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	14	0.3	0.11	0.28
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	14	0.3	0.11	0.28
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	14	0.3	0.11	0.28
(1,3551)	1:62:A:LEU:HD21	1:62:A:LEU:H	14	0.28	0.05	0.29
(1,3551)	1:62:A:LEU:HD22	1:62:A:LEU:H	14	0.28	0.05	0.29
(1,3551)	1:62:A:LEU:HD23	1:62:A:LEU:H	14	0.28	0.05	0.29
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	14	0.25	0.09	0.28
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	14	0.25	0.04	0.25
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG11	14	0.25	0.04	0.25
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG12	14	0.25	0.04	0.25
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	14	0.24	0.01	0.24
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB2	14	0.2	0.05	0.22
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB1	14	0.2	0.05	0.22
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB3	14	0.2	0.05	0.22
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	14	0.2	0.09	0.16
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	14	0.15	0.03	0.16
(1,2130)	1:153:A:ILE:HG22	1:195:A:LEU:HA	14	0.15	0.03	0.16
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	14	0.15	0.03	0.15
(1,4486)	1:37:A:ALA:HB2	1:32:A:TYR:HD1	14	0.15	0.03	0.15
(1,4486)	1:37:A:ALA:HB1	1:32:A:TYR:HD1	14	0.15	0.03	0.15
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	14	0.15	0.02	0.15
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	14	0.15	0.02	0.15
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD21	14	0.15	0.02	0.15
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	14	0.15	0.03	0.15
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	14	0.14	0.03	0.14
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	14	0.14	0.02	0.14
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	14	0.13	0.03	0.12
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	14	0.12	0.01	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	14	0.12	0.01	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	14	0.12	0.01	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	14	0.12	0.01	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	14	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	14	0.12	0.01	0.12
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	14	0.11	0.01	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	14	0.11	0.01	0.11
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	13	1.14	0.26	1.2
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	13	0.85	0.46	0.84
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	13	0.41	0.1	0.42
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	13	0.38	0.42	0.16
(1,1966)	1:62:A:LEU:HD13	1:44:A:TYR:HE2	13	0.27	0.07	0.26
(1,1966)	1:62:A:LEU:HD12	1:44:A:TYR:HE2	13	0.27	0.07	0.26
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	13	0.27	0.07	0.26
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	13	0.24	0.08	0.23
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB2	13	0.24	0.08	0.23
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	13	0.2	0.03	0.2
(1,2942)	1:83:A:LEU:HD23	1:57:A:ILE:HA	13	0.2	0.03	0.2
(1,2942)	1:83:A:LEU:HD21	1:57:A:ILE:HA	13	0.2	0.03	0.2
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD12	13	0.18	0.05	0.17
(1,2373)	1:76:A:ALA:HB2	1:102:A:ILE:HD12	13	0.18	0.05	0.17
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD13	13	0.18	0.05	0.17
(1,2373)	1:76:A:ALA:HB3	1:102:A:ILE:HD11	13	0.18	0.05	0.17
(1,2373)	1:76:A:ALA:HB3	1:102:A:ILE:HD12	13	0.18	0.05	0.17
(1,2373)	1:76:A:ALA:HB2	1:102:A:ILE:HD11	13	0.18	0.05	0.17
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	13	0.18	0.05	0.18
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	13	0.18	0.04	0.19
(1,3737)	1:77:A:VAL:HG22	1:102:A:ILE:HD13	13	0.16	0.04	0.16
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD13	13	0.16	0.04	0.16
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD11	13	0.16	0.04	0.16
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD12	13	0.16	0.04	0.16
(1,3737)	1:77:A:VAL:HG23	1:102:A:ILE:HD13	13	0.16	0.04	0.16
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD11	13	0.15	0.03	0.16
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD11	13	0.15	0.03	0.16
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD12	13	0.15	0.03	0.16
(1,2190)	1:215:A:MET:HE2	1:219:A:ILE:HD13	13	0.15	0.03	0.16
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD13	13	0.15	0.03	0.16
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD13	13	0.15	0.03	0.16
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD12	13	0.15	0.03	0.16
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	13	0.15	0.03	0.15
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	13	0.14	0.03	0.13
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	13	0.14	0.03	0.13
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG23	13	0.14	0.03	0.13
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG21	13	0.14	0.03	0.13
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	13	0.13	0.02	0.12
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	13	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB3	13	0.13	0.02	0.13
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	13	0.13	0.02	0.13
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB1	13	0.13	0.02	0.13
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	13	0.11	0.01	0.11
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	12	0.82	0.37	1.01
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB3	12	0.63	0.2	0.52
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	12	0.63	0.2	0.52
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB2	12	0.63	0.2	0.52
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	12	0.59	0.17	0.68
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	12	0.35	0.04	0.36
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	12	0.29	0.01	0.29
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	12	0.27	0.02	0.27
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	12	0.25	0.05	0.24
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	12	0.24	0.04	0.24
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG23	12	0.21	0.07	0.23
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	12	0.21	0.07	0.23
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG21	12	0.21	0.07	0.23
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	12	0.19	0.02	0.2
(1,3805)	1:67:A:LEU:HD11	1:67:A:LEU:HB2	12	0.19	0.02	0.2
(1,3805)	1:67:A:LEU:HD13	1:67:A:LEU:HB2	12	0.19	0.02	0.2
(1,2359)	1:240:A:VAL:HG13	1:243:A:LYS:HG2	12	0.19	0.06	0.19
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	12	0.19	0.06	0.19
(1,2359)	1:240:A:VAL:HG12	1:243:A:LYS:HG2	12	0.19	0.06	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	12	0.19	0.0	0.19
(1,342)	1:146:A:ILE:HD12	1:187:A:VAL:H	12	0.17	0.06	0.16
(1,342)	1:146:A:ILE:HD13	1:187:A:VAL:H	12	0.17	0.06	0.16
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	12	0.17	0.06	0.16
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	12	0.16	0.03	0.15
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	12	0.15	0.05	0.13
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	12	0.15	0.02	0.15
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	12	0.15	0.03	0.14
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	12	0.14	0.02	0.16
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD12	12	0.14	0.02	0.16
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD13	12	0.14	0.02	0.16
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	12	0.14	0.02	0.14
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	12	0.14	0.02	0.14
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	12	0.13	0.02	0.12
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD12	12	0.13	0.02	0.12
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD11	12	0.13	0.02	0.12
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	12	0.13	0.02	0.12
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	12	0.12	0.01	0.12
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	12	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,297)	1:162:A:LYS:HB3	1:162:A:LYS:HA	12	0.12	0.01	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD12	12	0.12	0.01	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	12	0.12	0.01	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD13	12	0.12	0.01	0.12
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	12	0.11	0.01	0.11
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	11	1.31	0.11	1.27
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	11	1.15	0.26	1.22
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG13	11	0.33	0.12	0.33
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG12	11	0.33	0.12	0.33
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG11	11	0.33	0.12	0.33
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	11	0.32	0.18	0.27
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	11	0.32	0.24	0.24
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	11	0.31	0.13	0.3
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB1	11	0.31	0.13	0.3
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB3	11	0.31	0.13	0.3
(1,4308)	1:83:A:LEU:HD11	1:60:A:GLN:HE21	11	0.29	0.11	0.31
(1,4308)	1:83:A:LEU:HD13	1:60:A:GLN:HE21	11	0.29	0.11	0.31
(1,4308)	1:83:A:LEU:HD12	1:60:A:GLN:HE21	11	0.29	0.11	0.31
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	11	0.28	0.03	0.27
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	11	0.28	0.12	0.24
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	11	0.25	0.0	0.25
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	11	0.25	0.07	0.26
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG21	11	0.25	0.07	0.27
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG23	11	0.25	0.07	0.27
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	11	0.25	0.07	0.27
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD21	11	0.16	0.02	0.16
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD23	11	0.16	0.02	0.16
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD22	11	0.16	0.02	0.16
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	11	0.16	0.06	0.14
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB3	11	0.16	0.04	0.14
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB2	11	0.16	0.04	0.14
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB2	11	0.16	0.04	0.14
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB1	11	0.16	0.04	0.14
(1,2360)	1:240:A:VAL:HG13	1:244:A:ALA:HB2	11	0.16	0.04	0.14
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB1	11	0.16	0.04	0.14
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB3	11	0.16	0.04	0.14
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG13	11	0.15	0.04	0.13
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG11	11	0.15	0.04	0.13
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG12	11	0.15	0.04	0.13
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	11	0.13	0.02	0.14
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	11	0.13	0.01	0.13
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB2	11	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB1	11	0.13	0.01	0.13
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	11	0.13	0.02	0.13
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	11	0.12	0.02	0.12
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	11	0.12	0.01	0.12
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	11	0.12	0.02	0.11
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	11	0.12	0.0	0.12
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	11	0.12	0.01	0.11
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	11	0.11	0.01	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	11	0.11	0.0	0.11
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	11	0.1	0.0	0.1
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	10	1.44	0.26	1.51
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD23	10	1.44	0.26	1.51
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	10	1.23	0.08	1.23
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	10	0.76	0.65	0.7
(1,2707)	1:194:A:ILE:HD13	1:193:A:ASN:HD21	10	0.44	0.17	0.37
(1,2707)	1:194:A:ILE:HD11	1:193:A:ASN:HD21	10	0.44	0.17	0.37
(1,2707)	1:194:A:ILE:HD12	1:193:A:ASN:HD21	10	0.44	0.17	0.37
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	10	0.42	0.07	0.44
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	10	0.37	0.14	0.4
(1,4042)	1:61:A:LEU:HD11	1:91:A:GLN:HG3	10	0.34	0.27	0.2
(1,4042)	1:61:A:LEU:HD13	1:91:A:GLN:HG3	10	0.34	0.27	0.2
(1,4042)	1:61:A:LEU:HD12	1:91:A:GLN:HG3	10	0.34	0.27	0.2
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	10	0.34	0.1	0.36
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD21	10	0.34	0.1	0.36
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD22	10	0.34	0.1	0.36
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	10	0.33	0.13	0.31
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	10	0.32	0.3	0.13
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	10	0.32	0.01	0.32
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	10	0.26	0.02	0.27
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	10	0.21	0.04	0.2
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	10	0.21	0.07	0.21
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	10	0.18	0.05	0.16
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	10	0.18	0.04	0.18
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	10	0.15	0.03	0.15
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD11	10	0.15	0.03	0.15
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD13	10	0.15	0.03	0.15
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG23	10	0.15	0.03	0.15
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG21	10	0.15	0.03	0.15
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG22	10	0.15	0.03	0.15
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB3	10	0.14	0.03	0.14
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB2	10	0.14	0.03	0.14
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB1	10	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	10	0.14	0.03	0.14
(1,2626)	1:37:A:ALA:HB1	1:34:A:GLN:H	10	0.14	0.03	0.14
(1,2626)	1:37:A:ALA:HB2	1:34:A:GLN:H	10	0.14	0.03	0.14
(1,3895)	1:64:A:ILE:HG23	1:98:A:LEU:HA	10	0.14	0.03	0.13
(1,3895)	1:64:A:ILE:HG22	1:98:A:LEU:HA	10	0.14	0.03	0.13
(1,3895)	1:64:A:ILE:HG21	1:98:A:LEU:HA	10	0.14	0.03	0.13
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	10	0.14	0.03	0.15
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	10	0.13	0.03	0.13
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD13	10	0.13	0.02	0.12
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD12	10	0.13	0.02	0.12
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD11	10	0.13	0.02	0.12
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	10	0.12	0.02	0.12
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	10	0.12	0.01	0.12
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD13	10	0.12	0.02	0.12
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD11	10	0.12	0.02	0.12
(1,3599)	1:152:A:LEU:HD23	1:152:A:LEU:HD13	10	0.12	0.02	0.12
(1,3599)	1:152:A:LEU:HD21	1:152:A:LEU:HD11	10	0.12	0.02	0.12
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD12	10	0.12	0.02	0.12
(1,3599)	1:152:A:LEU:HD23	1:152:A:LEU:HD11	10	0.12	0.02	0.12
(1,3599)	1:152:A:LEU:HD21	1:152:A:LEU:HD13	10	0.12	0.02	0.12
(1,3061)	1:232:A:ALA:HB1	1:223:A:GLN:HG3	10	0.11	0.02	0.11
(1,3061)	1:232:A:ALA:HB2	1:223:A:GLN:HG3	10	0.11	0.02	0.11
(1,3061)	1:232:A:ALA:HB3	1:223:A:GLN:HG3	10	0.11	0.02	0.11
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	10	0.11	0.01	0.12
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	10	0.11	0.01	0.11
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	10	0.11	0.01	0.11
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	10	0.1	0.0	0.1
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	9	0.54	0.08	0.52
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG23	9	0.45	0.1	0.46
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG22	9	0.45	0.1	0.46
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG21	9	0.45	0.1	0.46
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	9	0.39	0.3	0.28
(1,264)	1:233:A:LYS:HE3	1:234:A:MET:H	9	0.33	0.11	0.33
(1,264)	1:233:A:LYS:HE2	1:234:A:MET:H	9	0.33	0.11	0.33
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	9	0.28	0.07	0.3
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	9	0.27	0.06	0.28
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	9	0.26	0.01	0.26
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	9	0.25	0.1	0.25
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	9	0.22	0.02	0.21
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	9	0.2	0.01	0.2
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG23	9	0.18	0.05	0.21
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG22	9	0.18	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG21	9	0.18	0.05	0.21
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	9	0.18	0.07	0.14
(1,2920)	1:83:A:LEU:HD11	1:96:A:THR:H	9	0.16	0.06	0.13
(1,2920)	1:83:A:LEU:HD13	1:96:A:THR:H	9	0.16	0.06	0.13
(1,2920)	1:83:A:LEU:HD12	1:96:A:THR:H	9	0.16	0.06	0.13
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	9	0.15	0.02	0.16
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG22	9	0.15	0.02	0.15
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG23	9	0.15	0.02	0.15
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG21	9	0.15	0.02	0.15
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	9	0.15	0.04	0.13
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB1	9	0.15	0.02	0.15
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB3	9	0.15	0.02	0.15
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB2	9	0.15	0.02	0.15
(1,2689)	1:137:A:ILE:HD12	1:154:A:ALA:HB3	9	0.15	0.02	0.15
(1,2689)	1:137:A:ILE:HD12	1:154:A:ALA:HB1	9	0.15	0.02	0.15
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	9	0.14	0.02	0.14
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	9	0.14	0.04	0.13
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	9	0.14	0.03	0.14
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	9	0.14	0.02	0.14
(1,4083)	1:239:A:LEU:HD13	1:205:A:TRP:HB3	9	0.14	0.02	0.14
(1,4083)	1:239:A:LEU:HD11	1:205:A:TRP:HB3	9	0.14	0.02	0.14
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	9	0.14	0.01	0.14
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	9	0.13	0.03	0.13
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	9	0.13	0.04	0.12
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	9	0.13	0.03	0.13
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	9	0.13	0.03	0.13
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	9	0.12	0.02	0.12
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	9	0.12	0.01	0.11
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	9	0.11	0.01	0.11
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	9	0.11	0.01	0.11
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	9	0.11	0.01	0.11
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG23	8	1.26	0.08	1.23
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG21	8	1.26	0.08	1.23
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	8	0.74	0.53	0.44
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	8	0.47	0.04	0.47
(1,3926)	1:149:A:LEU:HD12	1:150:A:ARG:HD2	8	0.45	0.13	0.46
(1,3926)	1:149:A:LEU:HD13	1:150:A:ARG:HD2	8	0.45	0.13	0.46
(1,3926)	1:149:A:LEU:HD11	1:150:A:ARG:HD2	8	0.45	0.13	0.46
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	8	0.42	0.24	0.35
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	8	0.33	0.15	0.28
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	8	0.3	0.19	0.22
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	8	0.29	0.14	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4091)	1:67:A:LEU:HD22	1:67:A:LEU:HD11	8	0.21	0.03	0.2
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD12	8	0.21	0.03	0.2
(1,4091)	1:67:A:LEU:HD21	1:67:A:LEU:HD13	8	0.21	0.03	0.2
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD13	8	0.21	0.03	0.2
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD11	8	0.21	0.03	0.2
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	8	0.2	0.04	0.21
(1,1737)	1:33:A:MET:HE2	1:30:A:THR:HA	8	0.19	0.06	0.18
(1,1737)	1:33:A:MET:HE1	1:30:A:THR:HA	8	0.19	0.06	0.18
(1,1737)	1:33:A:MET:HE3	1:30:A:THR:HA	8	0.19	0.06	0.18
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	8	0.19	0.03	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG21	8	0.19	0.01	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG22	8	0.19	0.01	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG23	8	0.19	0.01	0.19
(1,4309)	1:83:A:LEU:HD12	1:60:A:GLN:HE22	8	0.16	0.04	0.16
(1,4309)	1:83:A:LEU:HD13	1:60:A:GLN:HE22	8	0.16	0.04	0.16
(1,4309)	1:83:A:LEU:HD11	1:60:A:GLN:HE22	8	0.16	0.04	0.16
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD11	8	0.14	0.03	0.14
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD12	8	0.14	0.03	0.14
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD13	8	0.14	0.03	0.14
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	8	0.14	0.04	0.12
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	8	0.13	0.01	0.13
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	8	0.13	0.02	0.12
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	8	0.12	0.02	0.12
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	8	0.12	0.01	0.12
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	8	0.12	0.02	0.12
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD2	8	0.12	0.02	0.12
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	8	0.12	0.01	0.11
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	8	0.11	0.01	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG21	8	0.11	0.01	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG22	8	0.11	0.01	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG23	8	0.11	0.01	0.11
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	8	0.11	0.01	0.11
(1,3711)	1:220:A:ALA:HB1	1:224:A:LYS:HE2	7	1.28	0.09	1.28
(1,3711)	1:220:A:ALA:HB3	1:224:A:LYS:HE2	7	1.28	0.09	1.28
(1,3711)	1:220:A:ALA:HB2	1:224:A:LYS:HE2	7	1.28	0.09	1.28
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	7	1.2	0.02	1.2
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	7	0.3	0.1	0.29
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	7	0.26	0.34	0.12
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	7	0.19	0.01	0.19
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	7	0.19	0.06	0.18
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB2	7	0.17	0.05	0.18
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB1	7	0.17	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB3	7	0.17	0.05	0.18
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	7	0.16	0.05	0.14
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	7	0.16	0.01	0.16
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	7	0.15	0.03	0.15
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	7	0.15	0.03	0.16
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	7	0.14	0.04	0.15
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD12	7	0.14	0.03	0.13
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD11	7	0.14	0.03	0.13
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD13	7	0.14	0.03	0.13
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	7	0.13	0.02	0.14
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	7	0.13	0.02	0.13
(1,3588)	1:104:A:LEU:HD12	1:102:A:ILE:H	7	0.12	0.02	0.11
(1,3588)	1:104:A:LEU:HD11	1:102:A:ILE:H	7	0.12	0.02	0.11
(1,3588)	1:104:A:LEU:HD13	1:102:A:ILE:H	7	0.12	0.02	0.11
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	7	0.12	0.02	0.12
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	7	0.12	0.01	0.12
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	7	0.12	0.01	0.12
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	7	0.11	0.01	0.11
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	7	0.11	0.01	0.11
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	7	0.11	0.01	0.11
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	6	1.26	0.52	1.46
(1,3694)	1:37:A:ALA:HB2	1:38:A:GLN:HE21	6	0.81	0.02	0.81
(1,3694)	1:37:A:ALA:HB1	1:38:A:GLN:HE21	6	0.81	0.02	0.81
(1,1768)	1:219:A:ILE:HD12	1:243:A:LYS:HE2	6	0.43	0.29	0.34
(1,1768)	1:219:A:ILE:HD13	1:243:A:LYS:HE2	6	0.43	0.29	0.34
(1,1768)	1:219:A:ILE:HD11	1:243:A:LYS:HE2	6	0.43	0.29	0.34
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD13	6	0.31	0.09	0.29
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD12	6	0.31	0.09	0.29
(1,1729)	1:102:A:ILE:HG22	1:106:A:GLN:HE21	6	0.31	0.03	0.31
(1,1729)	1:102:A:ILE:HG21	1:106:A:GLN:HE21	6	0.31	0.03	0.31
(1,1729)	1:102:A:ILE:HG23	1:106:A:GLN:HE21	6	0.31	0.03	0.31
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	6	0.27	0.24	0.15
(1,3574)	1:195:A:LEU:HD22	1:192:A:GLU:H	6	0.27	0.05	0.26
(1,3574)	1:195:A:LEU:HD23	1:192:A:GLU:H	6	0.27	0.05	0.26
(1,3574)	1:195:A:LEU:HD21	1:192:A:GLU:H	6	0.27	0.05	0.26
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD22	6	0.27	0.06	0.26
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD21	6	0.27	0.06	0.26
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD23	6	0.27	0.06	0.26
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	6	0.26	0.22	0.17
(1,1586)	1:240:A:VAL:HG23	1:243:A:LYS:HE2	6	0.24	0.07	0.22
(1,1586)	1:240:A:VAL:HG21	1:243:A:LYS:HE2	6	0.24	0.07	0.22
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA3	6	0.22	0.06	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA2	6	0.22	0.06	0.18
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	6	0.21	0.01	0.22
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	6	0.19	0.05	0.2
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	6	0.19	0.07	0.18
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	6	0.18	0.04	0.18
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	6	0.18	0.03	0.2
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	6	0.18	0.03	0.19
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	6	0.17	0.03	0.16
(1,1568)	1:73:A:THR:HG21	1:105:A:ALA:HB1	6	0.17	0.02	0.17
(1,1568)	1:73:A:THR:HG23	1:105:A:ALA:HB1	6	0.17	0.02	0.17
(1,1568)	1:73:A:THR:HG21	1:105:A:ALA:HB2	6	0.17	0.02	0.17
(1,1568)	1:73:A:THR:HG22	1:105:A:ALA:HB2	6	0.17	0.02	0.17
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	6	0.16	0.05	0.17
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	6	0.16	0.02	0.16
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	6	0.15	0.04	0.14
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	6	0.15	0.01	0.15
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	6	0.14	0.02	0.15
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG23	6	0.12	0.01	0.12
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG22	6	0.12	0.01	0.12
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG21	6	0.12	0.01	0.12
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	6	0.11	0.01	0.12
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	6	0.11	0.01	0.11
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	6	0.11	0.01	0.11
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	6	0.11	0.01	0.1
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	6	0.11	0.0	0.11
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	6	0.1	0.0	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG21	6	0.1	0.0	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG22	6	0.1	0.0	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG23	6	0.1	0.0	0.1
(1,3723)	1:178:A:MET:HE1	1:182:A:GLN:HG2	5	1.03	0.75	1.46
(1,3723)	1:178:A:MET:HE3	1:182:A:GLN:HG2	5	1.03	0.75	1.46
(1,1243)	1:183:A:ALA:H	1:182:A:GLN:HG3	5	0.81	0.24	0.71
(1,805)	1:238:A:GLN:HA	1:238:A:GLN:HG2	5	0.42	0.02	0.42
(1,611)	1:249:A:SER:H	1:249:A:SER:HB2	5	0.23	0.06	0.25
(1,611)	1:249:A:SER:H	1:249:A:SER:HB3	5	0.23	0.06	0.25
(1,2881)	1:65:A:ARG:HD2	1:44:A:TYR:HE2	5	0.23	0.07	0.27
(1,489)	1:181:A:GLU:HG2	1:181:A:GLU:HB3	5	0.19	0.03	0.2
(1,489)	1:182:A:GLN:HB3	1:182:A:GLN:HG2	5	0.19	0.03	0.2
(1,1529)	1:69:A:LYS:HG2	1:69:A:LYS:HA	5	0.15	0.02	0.15
(1,3324)	1:48:A:MET:HG2	1:56:A:ARG:HD2	5	0.14	0.02	0.15
(1,953)	1:212:A:PRO:HD3	1:211:A:ASP:HB3	5	0.13	0.02	0.14
(1,3885)	1:69:A:LYS:HG3	1:65:A:ARG:HD2	5	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,547)	1:205:A:TRP:HZ2	1:209:A:ARG:HB2	5	0.13	0.02	0.13
(1,2278)	1:172:A:TRP:HE1	1:238:A:GLN:HG3	5	0.13	0.02	0.12
(1,2069)	1:74:A:GLY:HA3	1:78:A:GLU:H	5	0.13	0.02	0.12
(1,3493)	1:72:A:LYS:HD3	1:70:A:GLU:HG3	5	0.12	0.02	0.13
(1,5654)	1:45:A:LEU:H	1:46:A:GLN:HB3	5	0.12	0.01	0.12
(1,4489)	1:172:A:TRP:HD1	1:238:A:GLN:HG3	5	0.12	0.01	0.12
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG23	5	0.12	0.0	0.12
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG22	5	0.12	0.0	0.12
(1,4548)	1:245:A:PHE:HZ	1:246:A:LYS:HB2	5	0.12	0.01	0.12
(1,4503)	1:197:A:GLY:H	1:226:A:TYR:HE2	5	0.12	0.01	0.12
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG22	5	0.12	0.01	0.12
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG23	5	0.12	0.01	0.12
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG21	5	0.12	0.01	0.12
(1,439)	1:86:A:GLU:HB3	1:86:A:GLU:HG2	5	0.11	0.02	0.1
(1,1394)	1:74:A:GLY:H	1:75:A:GLN:HB2	5	0.11	0.01	0.11
(1,733)	1:109:A:PHE:HA	1:113:A:GLN:H	5	0.11	0.01	0.11
(1,3159)	1:26:A:PRO:HD2	1:25:A:THR:HA	5	0.1	0.01	0.1
(1,5753)	1:47:A:GLN:H	1:46:A:GLN:HB2	5	0.1	0.0	0.1
(1,2199)	1:140:A:SER:H	1:140:A:SER:HB3	5	0.1	0.0	0.1
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG21	4	1.1	0.01	1.1
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG23	4	1.1	0.01	1.1
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG22	4	1.1	0.01	1.1
(1,4204)	1:50:A:GLN:HB3	1:47:A:GLN:HB2	4	1.1	0.15	1.09
(1,5859)	1:209:A:ARG:H	1:209:A:ARG:HE	4	0.98	0.41	1.11
(1,649)	1:210:A:ASN:H	1:209:A:ARG:HE	4	0.91	0.33	0.94
(1,649)	1:210:A:ASN:H	1:210:A:ASN:HD22	4	0.91	0.33	0.94
(1,5519)	1:89:A:ASP:H	1:89:A:ASP:HB3	4	0.84	0.01	0.84
(1,5197)	1:50:A:GLN:H	1:50:A:GLN:HB3	4	0.72	0.05	0.7
(1,5429)	1:90:A:ALA:H	1:89:A:ASP:HB3	4	0.45	0.15	0.45
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG21	4	0.4	0.03	0.4
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG23	4	0.4	0.03	0.4
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG22	4	0.4	0.03	0.4
(1,4331)	1:50:A:GLN:HG2	1:50:A:GLN:HE21	4	0.37	0.01	0.37
(1,324)	1:243:A:LYS:HG3	1:243:A:LYS:HB3	4	0.36	0.07	0.36
(1,5776)	1:52:A:SER:H	1:17:A:ARG:HG3	4	0.35	0.4	0.13
(1,689)	1:52:A:SER:HB2	1:53:A:ASP:HB3	4	0.34	0.33	0.17
(1,5857)	1:205:A:TRP:HE1	1:176:A:SER:HB2	4	0.32	0.02	0.32
(1,4387)	1:80:A:PHE:HE1	1:95:A:LYS:HA	4	0.3	0.04	0.28
(1,1468)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	4	0.28	0.19	0.2
(1,1468)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	4	0.28	0.19	0.2
(1,1468)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	4	0.28	0.19	0.2
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD22	4	0.24	0.03	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD23	4	0.24	0.03	0.26
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD21	4	0.24	0.03	0.26
(1,550)	1:176:A:SER:HB2	1:205:A:TRP:HZ2	4	0.24	0.04	0.24
(1,5793)	1:150:A:ARG:H	1:150:A:ARG:HD2	4	0.24	0.02	0.24
(1,1807)	1:176:A:SER:HB3	1:173:A:GLN:HE21	4	0.23	0.04	0.24
(1,5769)	1:36:A:THR:H	1:34:A:GLN:H	4	0.21	0.01	0.2
(1,1122)	1:193:A:ASN:HB3	1:193:A:ASN:HD22	4	0.21	0.02	0.22
(1,465)	1:189:A:ASN:HB3	1:192:A:GLU:HG3	4	0.2	0.09	0.17
(1,1259)	1:233:A:LYS:HB2	1:234:A:MET:H	4	0.19	0.04	0.2
(1,5284)	1:22:A:GLY:H	1:21:A:MET:HB3	4	0.19	0.06	0.17
(1,3645)	1:195:A:LEU:HD13	1:192:A:GLU:HA	4	0.19	0.04	0.21
(1,3645)	1:195:A:LEU:HD11	1:192:A:GLU:HA	4	0.19	0.04	0.21
(1,612)	1:41:A:SER:H	1:67:A:LEU:HA	4	0.18	0.05	0.2
(1,3811)	1:33:A:MET:HE3	1:62:A:LEU:HD13	4	0.16	0.03	0.16
(1,3811)	1:33:A:MET:HE1	1:62:A:LEU:HD13	4	0.16	0.03	0.16
(1,3811)	1:33:A:MET:HE1	1:62:A:LEU:HD12	4	0.16	0.03	0.16
(1,3811)	1:33:A:MET:HE2	1:62:A:LEU:HD12	4	0.16	0.03	0.16
(1,4303)	1:54:A:ASP:HB3	1:91:A:GLN:HE22	4	0.16	0.02	0.16
(1,4153)	1:103:A:LYS:HG2	1:102:A:ILE:HD12	4	0.16	0.04	0.16
(1,4153)	1:103:A:LYS:HG2	1:102:A:ILE:HD11	4	0.16	0.04	0.16
(1,3761)	1:159:A:LEU:HD11	1:163:A:GLU:H	4	0.16	0.04	0.16
(1,3761)	1:159:A:LEU:HD12	1:163:A:GLU:H	4	0.16	0.04	0.16
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB1	4	0.16	0.04	0.15
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB2	4	0.16	0.04	0.15
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB3	4	0.16	0.04	0.15
(1,5846)	1:238:A:GLN:H	1:238:A:GLN:HG2	4	0.16	0.01	0.16
(1,5046)	1:156:A:GLU:H	1:155:A:GLN:HG2	4	0.15	0.02	0.16
(1,2575)	1:79:A:LEU:HD12	1:60:A:GLN:HE21	4	0.15	0.04	0.16
(1,2575)	1:79:A:LEU:HD11	1:60:A:GLN:HE21	4	0.15	0.04	0.16
(1,2575)	1:79:A:LEU:HD13	1:60:A:GLN:HE21	4	0.15	0.04	0.16
(1,3243)	1:190:A:ALA:HA	1:192:A:GLU:HG3	4	0.14	0.01	0.14
(1,585)	1:225:A:ARG:H	1:227:A:PRO:HD3	4	0.14	0.03	0.14
(1,4869)	1:250:A:THR:H	1:248:A:ALA:HA	4	0.14	0.03	0.14
(1,5445)	1:190:A:ALA:H	1:189:A:ASN:H	4	0.14	0.01	0.15
(1,3430)	1:173:A:GLN:HG2	1:238:A:GLN:HE21	4	0.14	0.01	0.14
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD23	4	0.14	0.04	0.12
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD21	4	0.14	0.04	0.12
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD22	4	0.14	0.04	0.12
(1,2289)	1:95:A:LYS:HE3	1:80:A:PHE:HD1	4	0.13	0.01	0.14
(1,5812)	1:198:A:TRP:HE1	1:229:A:ASN:HA	4	0.13	0.02	0.12
(1,762)	1:101:A:GLU:HA	1:104:A:LEU:HB2	4	0.12	0.02	0.12
(1,5631)	1:245:A:PHE:H	1:241:A:ASN:HA	4	0.12	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1202)	1:86:A:GLU:HG3	1:85:A:GLN:H	4	0.12	0.01	0.12
(1,4675)	1:190:A:ALA:H	1:192:A:GLU:HG2	4	0.12	0.01	0.11
(1,3102)	1:172:A:TRP:H	1:168:A:ILE:HA	4	0.11	0.01	0.11
(1,4802)	1:24:A:HIS:H	1:23:A:THR:HA	4	0.11	0.01	0.11
(1,1195)	1:78:A:GLU:HG2	1:77:A:VAL:H	4	0.11	0.01	0.11
(1,2295)	1:129:A:GLN:HA	1:132:A:TYR:HB2	4	0.11	0.01	0.11
(1,5829)	1:133:A:TRP:HE1	1:121:A:PRO:HB3	4	0.11	0.0	0.11
(1,1387)	1:136:A:LYS:HD3	1:136:A:LYS:HA	4	0.1	0.0	0.1
(1,3194)	1:224:A:LYS:HA	1:226:A:TYR:H	4	0.1	0.0	0.1
(1,4161)	1:103:A:LYS:HA	1:103:A:LYS:HE3	3	1.17	0.06	1.15
(1,4104)	1:103:A:LYS:HE3	1:108:A:ASP:HB2	3	0.99	0.15	1.0
(1,4147)	1:61:A:LEU:HD12	1:95:A:LYS:HA	3	0.75	0.7	0.41
(1,4147)	1:61:A:LEU:HD13	1:95:A:LYS:HA	3	0.75	0.7	0.41
(1,4666)	1:190:A:ALA:H	1:191:A:ASP:HB3	3	0.72	0.08	0.75
(1,5537)	1:191:A:ASP:H	1:191:A:ASP:HB3	3	0.61	0.08	0.64
(1,2572)	1:104:A:LEU:HD13	1:101:A:GLU:HG2	3	0.52	0.51	0.22
(1,2572)	1:104:A:LEU:HD11	1:101:A:GLU:HG2	3	0.52	0.51	0.22
(1,3180)	1:249:A:SER:HA	1:249:A:SER:HB3	3	0.47	0.0	0.47
(1,243)	1:17:A:ARG:HA	1:17:A:ARG:HD2	3	0.42	0.12	0.45
(1,243)	1:17:A:ARG:HA	1:17:A:ARG:HD3	3	0.42	0.12	0.45
(1,2394)	1:189:A:ASN:HB3	1:189:A:ASN:HD22	3	0.35	0.0	0.35
(1,3268)	1:191:A:ASP:HA	1:191:A:ASP:HB2	3	0.35	0.05	0.37
(1,5694)	1:21:A:MET:H	1:21:A:MET:HB2	3	0.34	0.07	0.38
(1,5577)	1:17:A:ARG:H	1:17:A:ARG:HB2	3	0.33	0.32	0.11
(1,1251)	1:46:A:GLN:HG3	1:46:A:GLN:HE22	3	0.29	0.0	0.29
(1,3415)	1:28:A:GLN:HG2	1:28:A:GLN:HE22	3	0.27	0.16	0.16
(1,5286)	1:18:A:GLY:H	1:17:A:ARG:HA	3	0.27	0.12	0.24
(1,4139)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	3	0.26	0.01	0.26
(1,4735)	1:154:A:ALA:H	1:153:A:ILE:HG23	3	0.24	0.05	0.27
(1,4735)	1:154:A:ALA:H	1:153:A:ILE:HG21	3	0.24	0.05	0.27
(1,1214)	1:166:A:GLN:HG2	1:167:A:ASN:H	3	0.23	0.02	0.22
(1,2855)	1:189:A:ASN:HB2	1:189:A:ASN:HD22	3	0.2	0.13	0.12
(1,4797)	1:21:A:MET:H	1:20:A:HIS:HA	3	0.19	0.04	0.17
(1,4672)	1:190:A:ALA:H	1:189:A:ASN:HD21	3	0.19	0.02	0.18
(1,1460)	1:159:A:LEU:HD21	1:166:A:GLN:HE21	3	0.16	0.01	0.16
(1,1460)	1:159:A:LEU:HD22	1:166:A:GLN:HE21	3	0.16	0.01	0.16
(1,2410)	1:91:A:GLN:HG3	1:91:A:GLN:H	3	0.16	0.01	0.16
(1,2129)	1:153:A:ILE:HG21	1:195:A:LEU:H	3	0.15	0.01	0.15
(1,2562)	1:158:A:LEU:HD23	1:158:A:LEU:HD12	3	0.15	0.04	0.15
(1,2562)	1:158:A:LEU:HD22	1:158:A:LEU:HD13	3	0.15	0.04	0.15
(1,2562)	1:158:A:LEU:HD21	1:158:A:LEU:HD12	3	0.15	0.04	0.15
(1,599)	1:175:A:LEU:H	1:171:A:THR:HA	3	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1170)	1:163:A:GLU:HG2	1:162:A:LYS:HE2	3	0.13	0.0	0.13
(1,3966)	1:48:A:MET:HE2	1:45:A:LEU:HA	3	0.13	0.02	0.12
(1,3966)	1:48:A:MET:HE1	1:45:A:LEU:HA	3	0.13	0.02	0.12
(1,3422)	1:34:A:GLN:HG3	1:31:A:ALA:HA	3	0.12	0.02	0.13
(1,5809)	1:198:A:TRP:HE1	1:198:A:TRP:H	3	0.12	0.01	0.13
(1,1727)	1:174:A:ALA:HB1	1:171:A:THR:HA	3	0.12	0.02	0.12
(1,1727)	1:174:A:ALA:HB2	1:171:A:THR:HA	3	0.12	0.02	0.12
(1,326)	1:136:A:LYS:H	1:136:A:LYS:HG2	3	0.12	0.01	0.12
(1,2216)	1:242:A:VAL:HB	1:242:A:VAL:HG11	3	0.12	0.01	0.11
(1,2216)	1:242:A:VAL:HB	1:242:A:VAL:HG12	3	0.12	0.01	0.11
(1,2216)	1:242:A:VAL:HB	1:242:A:VAL:HG13	3	0.12	0.01	0.11
(1,2695)	1:168:A:ILE:HD11	1:168:A:ILE:HG21	3	0.12	0.0	0.12
(1,2695)	1:168:A:ILE:HD13	1:168:A:ILE:HG21	3	0.12	0.0	0.12
(1,2695)	1:168:A:ILE:HD13	1:168:A:ILE:HG23	3	0.12	0.0	0.12
(1,5778)	1:166:A:GLN:H	1:167:A:ASN:HB3	3	0.11	0.0	0.11
(1,2545)	1:48:A:MET:HG2	1:49:A:GLN:HA	3	0.11	0.01	0.11
(1,3049)	1:166:A:GLN:HA	1:169:A:ASP:HB2	3	0.11	0.01	0.1
(1,1306)	1:69:A:LYS:HB2	1:69:A:LYS:H	3	0.11	0.01	0.11
(1,5359)	1:129:A:GLN:H	1:133:A:TRP:HD1	3	0.11	0.01	0.11
(1,656)	1:237:A:THR:HB	1:240:A:VAL:HB	3	0.11	0.01	0.1
(1,686)	1:137:A:ILE:HA	1:136:A:LYS:HB3	3	0.11	0.0	0.11
(1,1257)	1:46:A:GLN:HG2	1:45:A:LEU:H	3	0.11	0.0	0.11
(1,4033)	1:186:A:LEU:H	1:183:A:ALA:HA	3	0.11	0.01	0.1
(1,4898)	1:225:A:ARG:H	1:225:A:ARG:HG3	3	0.11	0.0	0.11
(1,5515)	1:213:A:ASP:H	1:211:A:ASP:HA	3	0.11	0.01	0.1
(1,3593)	1:235:A:LEU:HB2	1:235:A:LEU:HD11	3	0.1	0.0	0.1
(1,3593)	1:235:A:LEU:HB2	1:235:A:LEU:HD12	3	0.1	0.0	0.1
(1,3072)	1:120:A:THR:HB	1:124:A:LEU:HG	3	0.1	0.0	0.1
(1,2074)	1:79:A:LEU:H	1:79:A:LEU:HB2	3	0.1	0.0	0.1
(1,3379)	1:245:A:PHE:HB2	1:209:A:ARG:HG2	2	1.47	0.09	1.47
(1,4039)	1:61:A:LEU:HD13	1:61:A:LEU:H	2	0.78	0.02	0.78
(1,5171)	1:52:A:SER:H	1:51:A:SER:HB2	2	0.73	0.09	0.73
(1,4053)	1:65:A:ARG:HD3	1:69:A:LYS:HE2	2	0.7	0.58	0.7
(1,3215)	1:47:A:GLN:HA	1:51:A:SER:HB3	2	0.61	0.19	0.61
(1,2714)	1:30:A:THR:HB	1:29:A:SER:HB3	2	0.54	0.14	0.54
(1,3516)	1:182:A:GLN:HG3	1:182:A:GLN:HB3	2	0.53	0.0	0.53
(1,4566)	1:206:A:PHE:HD2	1:203:A:ARG:HD3	2	0.52	0.01	0.52
(1,3609)	1:69:A:LYS:HG2	1:65:A:ARG:HD3	2	0.5	0.32	0.5
(1,3173)	1:165:A:GLN:HA	1:165:A:GLN:HG2	2	0.44	0.02	0.44
(1,3389)	1:241:A:ASN:HB3	1:209:A:ARG:HG3	2	0.43	0.0	0.43
(1,1025)	1:203:A:ARG:HD3	1:203:A:ARG:HA	2	0.36	0.01	0.36
(1,3557)	1:17:A:ARG:HG3	1:17:A:ARG:HA	2	0.36	0.23	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1116)	1:192:A:GLU:H	1:191:A:ASP:HB3	2	0.35	0.25	0.35
(1,653)	1:59:A:TRP:HE1	1:51:A:SER:HB3	2	0.33	0.03	0.33
(1,653)	1:59:A:TRP:HE1	1:51:A:SER:HB2	2	0.33	0.03	0.33
(1,1603)	1:30:A:THR:HG21	1:34:A:GLN:HE21	2	0.28	0.01	0.28
(1,1603)	1:30:A:THR:HG22	1:34:A:GLN:HE21	2	0.28	0.01	0.28
(1,2032)	1:46:A:GLN:HG2	1:46:A:GLN:HE21	2	0.28	0.01	0.28
(1,5643)	1:23:A:THR:H	1:23:A:THR:HG21	2	0.27	0.09	0.27
(1,509)	1:203:A:ARG:HD2	1:202:A:GLN:HB2	2	0.24	0.03	0.24
(1,3095)	1:230:A:PRO:HA	1:233:A:LYS:HG3	2	0.22	0.03	0.22
(1,5002)	1:25:A:THR:H	1:25:A:THR:HG21	2	0.2	0.08	0.2
(1,5002)	1:25:A:THR:H	1:25:A:THR:HG22	2	0.2	0.08	0.2
(1,5836)	1:205:A:TRP:HE1	1:209:A:ARG:HD3	2	0.18	0.08	0.18
(1,1123)	1:193:A:ASN:HB3	1:194:A:ILE:HG12	2	0.18	0.03	0.18
(1,4086)	1:91:A:GLN:HG3	1:87:A:LEU:HB2	2	0.18	0.0	0.18
(1,1328)	1:225:A:ARG:HB3	1:222:A:TRP:HA	2	0.15	0.0	0.15
(1,5361)	1:120:A:THR:H	1:93:A:ARG:HB3	2	0.15	0.03	0.15
(1,1126)	1:192:A:GLU:HG2	1:195:A:LEU:HD22	2	0.15	0.02	0.15
(1,4342)	1:176:A:SER:HB3	1:172:A:TRP:HZ2	2	0.15	0.0	0.15
(1,3500)	1:146:A:ILE:HG12	1:150:A:ARG:HA	2	0.14	0.03	0.14
(1,1076)	1:45:A:LEU:HB3	1:42:A:ALA:HA	2	0.14	0.02	0.14
(1,5763)	1:249:A:SER:H	1:248:A:ALA:H	2	0.14	0.02	0.14
(1,757)	1:140:A:SER:HA	1:113:A:GLN:HE21	2	0.13	0.03	0.13
(1,2898)	1:95:A:LYS:HA	1:98:A:LEU:HB2	2	0.13	0.0	0.13
(1,497)	1:63:A:ALA:HB1	1:45:A:LEU:HD23	2	0.12	0.01	0.12
(1,497)	1:63:A:ALA:HB1	1:45:A:LEU:HD22	2	0.12	0.01	0.12
(1,2722)	1:97:A:LEU:HD13	1:132:A:TYR:HD2	2	0.12	0.01	0.12
(1,2722)	1:97:A:LEU:HD12	1:132:A:TYR:HD2	2	0.12	0.01	0.12
(1,2891)	1:144:A:PRO:HD3	1:143:A:ARG:HD3	2	0.12	0.01	0.12
(1,3319)	1:90:A:ALA:HA	1:93:A:ARG:HD3	2	0.12	0.01	0.12
(1,3369)	1:229:A:ASN:HB3	1:228:A:ASN:HD21	2	0.12	0.02	0.12
(1,3967)	1:48:A:MET:HE2	1:79:A:LEU:HB2	2	0.12	0.01	0.12
(1,5487)	1:95:A:LYS:H	1:93:A:ARG:HA	2	0.12	0.02	0.12
(1,2568)	1:129:A:GLN:H	1:158:A:LEU:HD22	2	0.12	0.02	0.12
(1,1078)	1:221:A:ASP:HB3	1:204:A:VAL:HG23	2	0.12	0.01	0.12
(1,2415)	1:17:A:ARG:H	1:17:A:ARG:HB3	2	0.12	0.01	0.12
(1,2435)	1:147:A:ASP:H	1:146:A:ILE:HG12	2	0.12	0.0	0.12
(1,3730)	1:146:A:ILE:HD11	1:186:A:LEU:HD13	2	0.12	0.01	0.12
(1,3730)	1:146:A:ILE:HD12	1:186:A:LEU:HD13	2	0.12	0.01	0.12
(1,337)	1:28:A:GLN:HB3	1:31:A:ALA:HB3	2	0.12	0.02	0.12
(1,2127)	1:201:A:LEU:HD23	1:215:A:MET:HE2	2	0.12	0.0	0.12
(1,2127)	1:201:A:LEU:HD21	1:215:A:MET:HE1	2	0.12	0.0	0.12
(1,2152)	1:199:A:LEU:HD12	1:199:A:LEU:HB3	2	0.12	0.0	0.12

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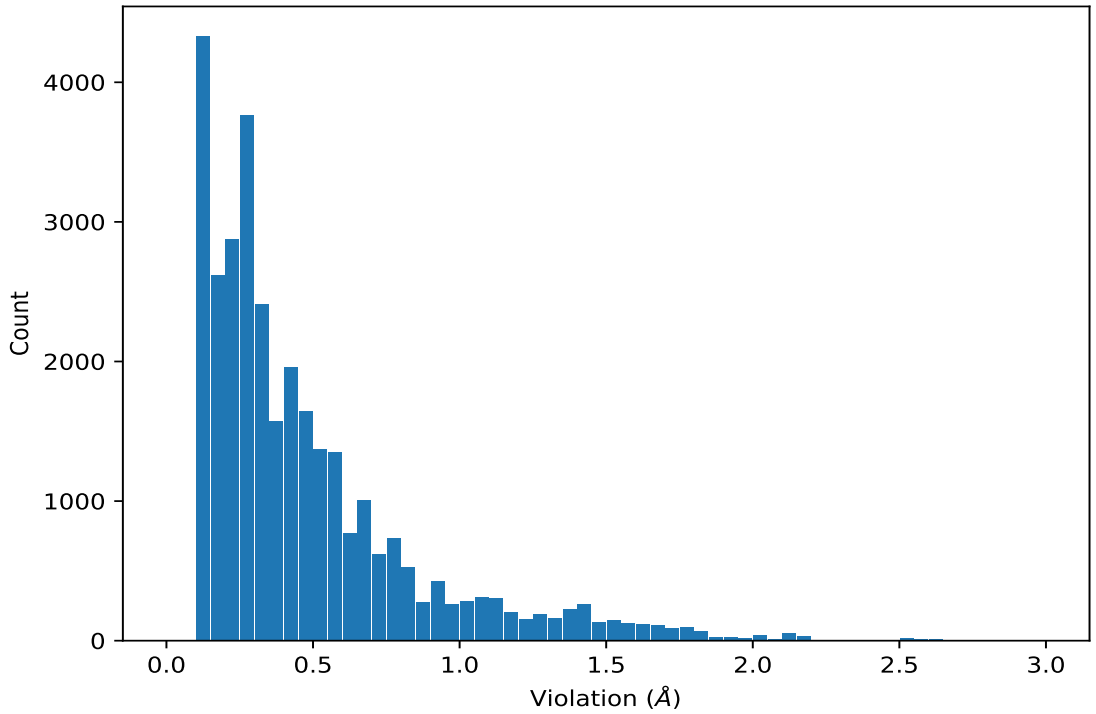
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2152)	1:199:A:LEU:HD13	1:199:A:LEU:HB3	2	0.12	0.0	0.12
(1,4317)	1:175:A:LEU:HG	1:171:A:THR:HG22	2	0.12	0.0	0.12
(1,4317)	1:175:A:LEU:HG	1:171:A:THR:HG21	2	0.12	0.0	0.12
(1,3674)	1:96:A:THR:HG22	1:116:A:LEU:H	2	0.11	0.01	0.11
(1,3674)	1:96:A:THR:HG23	1:116:A:LEU:H	2	0.11	0.01	0.11
(1,4024)	1:103:A:LYS:HD3	1:103:A:LYS:HE2	2	0.11	0.0	0.11
(1,4820)	1:174:A:ALA:H	1:173:A:GLN:HB2	2	0.11	0.0	0.11
(1,510)	1:115:A:LEU:HD23	1:115:A:LEU:HG	2	0.11	0.0	0.11
(1,1491)	1:188:A:ILE:HG12	1:146:A:ILE:HD13	2	0.11	0.0	0.11
(1,1491)	1:188:A:ILE:HG12	1:146:A:ILE:HD11	2	0.11	0.0	0.11
(1,1716)	1:146:A:ILE:HG22	1:147:A:ASP:HA	2	0.11	0.0	0.11
(1,1716)	1:146:A:ILE:HG21	1:147:A:ASP:HA	2	0.11	0.0	0.11
(1,2600)	1:164:A:LYS:HG2	1:164:A:LYS:HE3	2	0.11	0.0	0.11
(1,3169)	1:180:A:GLN:HA	1:179:A:THR:HA	2	0.11	0.0	0.11
(1,4654)	1:42:A:ALA:H	1:42:A:ALA:HB2	2	0.11	0.0	0.11
(1,4654)	1:42:A:ALA:H	1:42:A:ALA:HB1	2	0.11	0.0	0.11
(1,4976)	1:81:A:ASN:H	1:82:A:GLN:HG2	2	0.11	0.0	0.11
(1,5253)	1:228:A:ASN:H	1:227:A:PRO:HD3	2	0.11	0.0	0.11
(1,5676)	1:186:A:LEU:H	1:183:A:ALA:HB1	2	0.11	0.0	0.11
(1,5676)	1:186:A:LEU:H	1:183:A:ALA:HB3	2	0.11	0.0	0.11
(1,2329)	1:30:A:THR:HA	1:33:A:MET:HG2	2	0.1	0.0	0.1
(1,3897)	1:168:A:ILE:HG22	1:236:A:PRO:HB3	2	0.1	0.0	0.1
(1,3897)	1:168:A:ILE:HG23	1:236:A:PRO:HB3	2	0.1	0.0	0.1
(1,4933)	1:45:A:LEU:H	1:42:A:ALA:HA	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	5	2.98
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	11	2.98
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	8	2.95
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	7	2.72
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	14	2.64
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	16	2.64
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	8	2.62
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	9	2.62
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	1	2.61
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	3	2.6
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	4	2.6
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	17	2.6
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	6	2.59
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	10	2.59
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	11	2.59
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	8	2.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	17	2.58
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB2	20	2.58
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	3	2.58
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	15	2.57
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	5	2.56
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	15	2.56
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	18	2.56
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	10	2.55
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	19	2.55
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	17	2.55
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	2	2.54
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	1	2.53
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	7	2.53
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB2	14	2.53
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	19	2.53
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB2	4	2.52
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	16	2.52
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	9	2.51
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	11	2.51
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	13	2.51
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB1	18	2.51
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	3	2.51
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB3	12	2.5
(1,3607)	1:136:A:LYS:HG2	1:154:A:ALA:HB2	6	2.49
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	20	2.45
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	1	2.41
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	2	2.36
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	4	2.34
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	3	2.32
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	10	2.32
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	6	2.29
(1,1622)	1:37:A:ALA:HB1	1:28:A:GLN:HB2	16	2.29
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	16	2.25
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	5	2.24
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	17	2.22
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	20	2.22
(1,1622)	1:37:A:ALA:HB3	1:28:A:GLN:HB2	9	2.22
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	7	2.2
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	3	2.19
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	7	2.19
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	9	2.19
(1,1622)	1:37:A:ALA:HB1	1:28:A:GLN:HB2	12	2.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1622)	1:37:A:ALA:HB1	1:28:A:GLN:HB2	17	2.19
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	2	2.19
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	4	2.18
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	8	2.18
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	4	2.18
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	1	2.18
(1,1622)	1:37:A:ALA:HB3	1:28:A:GLN:HB2	4	2.18
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	9	2.18
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	19	2.17
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	16	2.17
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	9	2.16
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	15	2.16
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	10	2.16
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	1	2.16
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	11	2.16
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	12	2.16
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	20	2.16
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	14	2.16
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	18	2.16
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	11	2.15
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	2	2.15
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	5	2.15
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	8	2.15
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	16	2.15
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	18	2.15
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	19	2.15
(1,1622)	1:37:A:ALA:HB1	1:28:A:GLN:HB2	10	2.15
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	14	2.14
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	15	2.14
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	3	2.14
(1,3059)	1:122:A:ALA:HB1	1:121:A:PRO:HG3	6	2.14
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	9	2.14
(1,3059)	1:122:A:ALA:HB1	1:121:A:PRO:HG3	13	2.14
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	14	2.14
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	17	2.14
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	17	2.14
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	1	2.13
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	2	2.13
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	7	2.13
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	12	2.13
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	13	2.13
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	19	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	20	2.13
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	14	2.13
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	18	2.13
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	14	2.12
(1,3665)	1:115:A:LEU:HD21	1:114:A:ASN:HB2	16	2.12
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	20	2.12
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	1	2.12
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	6	2.12
(1,3059)	1:122:A:ALA:HB1	1:121:A:PRO:HG3	7	2.12
(1,3059)	1:122:A:ALA:HB2	1:121:A:PRO:HG3	10	2.12
(1,2661)	1:183:A:ALA:HB2	1:182:A:GLN:HB2	5	2.12
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	11	2.12
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	12	2.12
(1,2661)	1:183:A:ALA:HB2	1:182:A:GLN:HB2	20	2.12
(1,3665)	1:115:A:LEU:HD21	1:114:A:ASN:HB2	6	2.11
(1,3665)	1:115:A:LEU:HD21	1:114:A:ASN:HB2	10	2.11
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	11	2.11
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	12	2.11
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	18	2.11
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	19	2.11
(1,3332)	1:199:A:LEU:HD13	1:203:A:ARG:HD2	16	2.11
(1,3059)	1:122:A:ALA:HB3	1:121:A:PRO:HG3	15	2.11
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	1	2.11
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	4	2.11
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	6	2.11
(1,2661)	1:183:A:ALA:HB2	1:182:A:GLN:HB2	8	2.11
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	10	2.11
(1,2661)	1:183:A:ALA:HB2	1:182:A:GLN:HB2	17	2.11
(1,3665)	1:115:A:LEU:HD23	1:114:A:ASN:HB2	4	2.1
(1,3665)	1:115:A:LEU:HD21	1:114:A:ASN:HB2	5	2.1
(1,3665)	1:115:A:LEU:HD21	1:114:A:ASN:HB2	8	2.1
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	13	2.1
(1,3665)	1:115:A:LEU:HD22	1:114:A:ASN:HB2	17	2.1
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	2	2.1
(1,3332)	1:199:A:LEU:HD12	1:203:A:ARG:HD2	3	2.1
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	2	2.1
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	3	2.1
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	7	2.1
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	17	2.1
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	4	2.1
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG11	3	2.09
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	17	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	6	2.08
(1,1622)	1:37:A:ALA:HB3	1:28:A:GLN:HB2	13	2.08
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	13	2.08
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	18	2.07
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	5	2.07
(1,3332)	1:199:A:LEU:HD11	1:203:A:ARG:HD2	18	2.06
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	1	2.06
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	9	2.06
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	7	2.05
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	8	2.05
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	14	2.05
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	2	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG11	4	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	5	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	15	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	20	2.04
(1,1622)	1:37:A:ALA:HB3	1:28:A:GLN:HB2	20	2.04
(1,336)	1:77:A:VAL:HG13	1:80:A:PHE:HB2	5	2.04
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	10	2.03
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	16	2.03
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG11	18	2.03
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	19	2.03
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	15	2.03
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	3	2.03
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG11	6	2.02
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG11	12	2.02
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG12	13	2.02
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	15	2.02
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	7	2.02
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	16	2.02
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	3	2.02
(1,336)	1:77:A:VAL:HG13	1:80:A:PHE:HB2	1	2.02
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	17	2.02
(1,2876)	1:136:A:LYS:HG3	1:100:A:VAL:HG13	11	2.01
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	18	2.01
(1,336)	1:77:A:VAL:HG13	1:80:A:PHE:HB2	11	2.01
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	1	2.0
(1,2448)	1:175:A:LEU:HD22	1:202:A:GLN:HE22	3	2.0
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	8	2.0
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	2	2.0
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	6	2.0
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	7	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	13	2.0
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	14	2.0
(1,2448)	1:175:A:LEU:HD22	1:202:A:GLN:HE22	11	1.99
(1,336)	1:77:A:VAL:HG11	1:80:A:PHE:HB2	12	1.99
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	9	1.98
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	12	1.98
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	13	1.98
(1,2448)	1:175:A:LEU:HD22	1:202:A:GLN:HE22	20	1.98
(1,1622)	1:37:A:ALA:HB3	1:28:A:GLN:HB2	11	1.98
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	7	1.98
(1,2448)	1:175:A:LEU:HD22	1:202:A:GLN:HE22	14	1.97
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	19	1.97
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	18	1.97
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	8	1.97
(1,336)	1:77:A:VAL:HG11	1:80:A:PHE:HB2	19	1.97
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	2	1.96
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	5	1.96
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	4	1.96
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	5	1.96
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	9	1.96
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	4	1.95
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	17	1.95
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	8	1.95
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	11	1.95
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	13	1.94
(1,2661)	1:183:A:ALA:HB1	1:182:A:GLN:HB2	15	1.94
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	16	1.94
(1,2661)	1:183:A:ALA:HB2	1:182:A:GLN:HB2	19	1.94
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	6	1.94
(1,2448)	1:175:A:LEU:HD21	1:202:A:GLN:HE22	15	1.94
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	1	1.94
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD11	7	1.94
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	1	1.94
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	14	1.94
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	15	1.94
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	5	1.94
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	10	1.93
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	19	1.93
(1,336)	1:77:A:VAL:HG11	1:80:A:PHE:HB2	10	1.93
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	18	1.92
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	17	1.92
(1,1622)	1:37:A:ALA:HB2	1:28:A:GLN:HB2	2	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	13	1.92
(1,436)	1:199:A:LEU:HD13	1:198:A:TRP:HB2	3	1.92
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	16	1.91
(1,2448)	1:175:A:LEU:HD23	1:202:A:GLN:HE22	10	1.91
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	3	1.91
(1,436)	1:199:A:LEU:HD11	1:198:A:TRP:HB2	12	1.91
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	3	1.9
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	20	1.9
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	4	1.9
(1,2669)	1:174:A:ALA:HB2	1:149:A:LEU:HB2	14	1.89
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD13	13	1.89
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	15	1.89
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	12	1.88
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	1	1.88
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD11	11	1.88
(1,4243)	1:239:A:LEU:HD12	1:238:A:GLN:HE22	16	1.87
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	16	1.87
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	3	1.87
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	10	1.87
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	15	1.87
(1,411)	1:149:A:LEU:HD13	1:196:A:GLN:HB3	20	1.87
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	2	1.86
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	8	1.86
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	6	1.86
(1,436)	1:199:A:LEU:HD12	1:198:A:TRP:HB2	17	1.86
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	8	1.86
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	3	1.85
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	1	1.85
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	5	1.85
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	19	1.85
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	1	1.85
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	20	1.85
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	7	1.84
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	8	1.84
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	12	1.84
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	18	1.84
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	20	1.84
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	7	1.84
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	11	1.84
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	16	1.84
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	17	1.84
(1,1615)	1:242:A:VAL:HG22	1:215:A:MET:HB2	19	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	8	1.84
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	17	1.84
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	9	1.83
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	12	1.83
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	5	1.83
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	9	1.83
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	2	1.83
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	9	1.83
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD11	18	1.83
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	1	1.82
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	11	1.82
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	14	1.82
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	11	1.82
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	12	1.82
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	5	1.82
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	13	1.82
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	5	1.82
(1,411)	1:149:A:LEU:HD13	1:196:A:GLN:HB3	12	1.82
(1,336)	1:77:A:VAL:HG11	1:80:A:PHE:HB2	6	1.82
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	18	1.82
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	20	1.81
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	9	1.81
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	1	1.81
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	16	1.81
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	19	1.81
(1,2669)	1:174:A:ALA:HB2	1:149:A:LEU:HB2	15	1.81
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	20	1.81
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	8	1.81
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	1	1.81
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	3	1.81
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	11	1.81
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD11	3	1.81
(1,336)	1:77:A:VAL:HG13	1:80:A:PHE:HB2	2	1.81
(1,336)	1:77:A:VAL:HG11	1:80:A:PHE:HB2	4	1.81
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	15	1.81
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	20	1.81
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	11	1.8
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	14	1.8
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	19	1.8
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	4	1.8
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	14	1.8
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	15	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	19	1.8
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	16	1.8
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	1	1.8
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	4	1.8
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	15	1.8
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	18	1.8
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	1	1.8
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	13	1.8
(1,1615)	1:242:A:VAL:HG21	1:215:A:MET:HB2	4	1.8
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	6	1.8
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	9	1.8
(1,336)	1:77:A:VAL:HG13	1:80:A:PHE:HB2	8	1.8
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	9	1.8
(1,336)	1:77:A:VAL:HG12	1:80:A:PHE:HB2	16	1.8
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	3	1.79
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	6	1.79
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	4	1.79
(1,4243)	1:239:A:LEU:HD12	1:238:A:GLN:HE22	13	1.79
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	16	1.79
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	18	1.79
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	2	1.79
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	3	1.79
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	5	1.79
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	8	1.79
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	13	1.79
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	17	1.79
(1,1615)	1:242:A:VAL:HG23	1:215:A:MET:HB2	14	1.79
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	4	1.79
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	7	1.79
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	16	1.79
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	15	1.79
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	13	1.78
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	19	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	2	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	5	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	8	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	9	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	11	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	13	1.78
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	20	1.78
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	10	1.78
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	9	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	10	1.78
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	19	1.78
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	13	1.78
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	9	1.78
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	13	1.78
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	15	1.78
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	16	1.78
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	18	1.78
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	9	1.78
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD11	10	1.78
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	7	1.78
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	15	1.77
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	17	1.77
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	16	1.77
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	3	1.77
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	6	1.77
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	12	1.77
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	15	1.77
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	8	1.77
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	6	1.77
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	7	1.77
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	16	1.77
(1,2171)	1:227:A:PRO:HD3	1:228:A:ASN:HD22	2	1.77
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	12	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	2	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	5	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	7	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	8	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	10	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	12	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	17	1.77
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	19	1.77
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	4	1.77
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	13	1.77
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	18	1.77
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	13	1.77
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	1	1.76
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	9	1.76
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	12	1.76
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	7	1.76
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	17	1.76
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	4	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	5	1.76
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	18	1.76
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	12	1.76
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	18	1.76
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	9	1.76
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	12	1.76
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	16	1.76
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	6	1.76
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	14	1.76
(1,1386)	1:136:A:LYS:HD2	1:116:A:LEU:H	20	1.76
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	1	1.76
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	2	1.76
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	1	1.76
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	10	1.76
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	7	1.75
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	8	1.75
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	10	1.75
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	14	1.75
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	4	1.75
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	3	1.75
(1,2784)	1:77:A:VAL:HA	1:74:A:GLY:HA3	20	1.75
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	10	1.75
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	9	1.75
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	15	1.75
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	2	1.74
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	4	1.74
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	16	1.74
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	13	1.74
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	17	1.74
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	17	1.74
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	3	1.74
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	12	1.74
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	11	1.74
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	17	1.74
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	11	1.74
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	12	1.74
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	13	1.74
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	14	1.74
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	9	1.74
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	14	1.74
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	20	1.74
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	7	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	18	1.74
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	11	1.74
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	18	1.74
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	14	1.74
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	5	1.73
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	3	1.73
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	14	1.73
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	16	1.73
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	19	1.73
(1,4147)	1:61:A:LEU:HD12	1:95:A:LYS:HA	6	1.73
(1,3723)	1:178:A:MET:HE3	1:182:A:GLN:HG2	13	1.73
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	2	1.73
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	19	1.73
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	16	1.73
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	18	1.73
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	19	1.73
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	20	1.73
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	11	1.73
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	19	1.73
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	4	1.73
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	2	1.73
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	4	1.73
(1,2669)	1:174:A:ALA:HB2	1:149:A:LEU:HB2	6	1.73
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	7	1.73
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	10	1.73
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	12	1.73
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	19	1.73
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	2	1.72
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	7	1.72
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	18	1.72
(1,4108)	1:119:A:ILE:HG13	1:93:A:ARG:HB3	10	1.72
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	6	1.72
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	14	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	2	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	3	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	4	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	5	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	6	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	7	1.72
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	8	1.72
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	1	1.72
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	15	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	1	1.72
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	6	1.72
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	11	1.72
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	18	1.72
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	9	1.72
(1,2669)	1:174:A:ALA:HB3	1:149:A:LEU:HB2	5	1.72
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	20	1.72
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	3	1.72
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	5	1.72
(1,411)	1:149:A:LEU:HD13	1:196:A:GLN:HB3	2	1.72
(1,3723)	1:178:A:MET:HE1	1:182:A:GLN:HG2	16	1.71
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	3	1.71
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	7	1.71
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	9	1.71
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	20	1.71
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	1	1.71
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	10	1.71
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	15	1.71
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	7	1.71
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	10	1.71
(1,2669)	1:174:A:ALA:HB1	1:149:A:LEU:HB2	10	1.71
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	2	1.71
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	8	1.71
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	19	1.71
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	17	1.71
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	10	1.71
(1,411)	1:149:A:LEU:HD13	1:196:A:GLN:HB3	18	1.71
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	8	1.7
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	10	1.7
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	11	1.7
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	4	1.7
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	5	1.7
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	17	1.7
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	8	1.7
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	2	1.7
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	13	1.7
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	17	1.7
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	6	1.7
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	6	1.7
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	11	1.7
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	8	1.7
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	14	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	18	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	1	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	2	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	4	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	7	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	13	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	14	1.7
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	20	1.7
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	3	1.7
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	16	1.7
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	11	1.7
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	14	1.7
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	11	1.7
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	5	1.69
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	20	1.69
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	1	1.69
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	15	1.69
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	16	1.69
(1,3604)	1:216:A:LYS:HG2	1:219:A:ILE:H	9	1.69
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	13	1.69
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG13	18	1.69
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	13	1.69
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	1	1.69
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	7	1.69
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	1	1.69
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	3	1.69
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	20	1.69
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	5	1.69
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	15	1.69
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	19	1.69
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	20	1.69
(1,411)	1:149:A:LEU:HD12	1:196:A:GLN:HB3	16	1.69
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	18	1.68
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	10	1.68
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	12	1.68
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	13	1.68
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	18	1.68
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	7	1.68
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	15	1.68
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	16	1.68
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	16	1.68
(1,2661)	1:183:A:ALA:HB3	1:182:A:GLN:HB2	9	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	10	1.68
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	15	1.68
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	16	1.68
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	12	1.68
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	11	1.68
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	17	1.68
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	16	1.68
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	4	1.67
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	6	1.67
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	17	1.67
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	1	1.67
(1,3968)	1:154:A:ALA:HB2	1:130:A:ALA:HB1	6	1.67
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB3	16	1.67
(1,3608)	1:72:A:LYS:HG3	1:75:A:GLN:HG2	8	1.67
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	10	1.67
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG13	17	1.67
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	3	1.67
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	10	1.67
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	12	1.67
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	15	1.67
(1,2669)	1:174:A:ALA:HB2	1:149:A:LEU:HB2	12	1.67
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	2	1.67
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	7	1.67
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	16	1.67
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	6	1.67
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	1	1.67
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	7	1.67
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	11	1.67
(1,1399)	1:93:A:ARG:HG2	1:92:A:ARG:H	6	1.67
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	20	1.67
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	13	1.67
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	8	1.66
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	15	1.66
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	16	1.66
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	4	1.66
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	6	1.66
(1,3968)	1:154:A:ALA:HB2	1:130:A:ALA:HB1	14	1.66
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB3	19	1.66
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	9	1.66
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	10	1.66
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	13	1.66
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	14	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	2	1.66
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	20	1.66
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	3	1.66
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	5	1.66
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	7	1.66
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	20	1.66
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	14	1.66
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	4	1.66
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	16	1.66
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	6	1.66
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	10	1.66
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	12	1.66
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	3	1.66
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	5	1.65
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	7	1.65
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	20	1.65
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	3	1.65
(1,4009)	1:185:A:THR:HG22	1:182:A:GLN:HG2	17	1.65
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB3	2	1.65
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB3	12	1.65
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB1	15	1.65
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB1	18	1.65
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	1	1.65
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	4	1.65
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG13	4	1.65
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	3	1.65
(1,3339)	1:107:A:LYS:HE2	1:106:A:GLN:H	8	1.65
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	2	1.65
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	4	1.65
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	17	1.65
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	2	1.65
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	18	1.65
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	6	1.65
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	1	1.64
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	2	1.64
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	11	1.64
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	12	1.64
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	13	1.64
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	14	1.64
(1,5658)	1:208:A:ASN:H	1:215:A:MET:HB3	18	1.64
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	6	1.64
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	1	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	3	1.64
(1,4009)	1:185:A:THR:HG23	1:182:A:GLN:HG2	2	1.64
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	3	1.64
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	16	1.64
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	3	1.64
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	12	1.64
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	16	1.64
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	19	1.64
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	19	1.64
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	5	1.64
(1,411)	1:149:A:LEU:HD11	1:196:A:GLN:HB3	14	1.64
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	3	1.63
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	9	1.63
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	10	1.63
(1,4533)	1:206:A:PHE:HE2	1:180:A:GLN:HG3	15	1.63
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	4	1.63
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	5	1.63
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	14	1.63
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	1	1.63
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	5	1.63
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	9	1.63
(1,5666)	1:222:A:TRP:H	1:223:A:GLN:HB2	19	1.62
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	2	1.62
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	12	1.62
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	15	1.62
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	7	1.62
(1,4009)	1:185:A:THR:HG22	1:182:A:GLN:HG2	12	1.62
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB1	7	1.62
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB3	9	1.62
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	11	1.62
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	12	1.62
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	17	1.62
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	20	1.62
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	9	1.62
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	17	1.62
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	3	1.62
(1,2669)	1:174:A:ALA:HB2	1:149:A:LEU:HB2	18	1.62
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	5	1.62
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	10	1.62
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	12	1.62
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	17	1.62
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	2	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	13	1.62
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	5	1.62
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	8	1.62
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG22	1	1.62
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG22	7	1.62
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	13	1.61
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	5	1.61
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	6	1.61
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	7	1.61
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	10	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	2	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	6	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	7	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	8	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	15	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	18	1.61
(1,3958)	1:115:A:LEU:HB3	1:114:A:ASN:HB2	19	1.61
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	12	1.61
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	18	1.61
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	4	1.61
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	7	1.61
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	14	1.61
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	19	1.61
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	20	1.61
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	16	1.61
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	9	1.6
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	15	1.6
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	19	1.6
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	1	1.6
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	8	1.6
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	20	1.6
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB3	5	1.6
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	12	1.6
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	13	1.6
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	11	1.6
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	16	1.6
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	2	1.6
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	15	1.6
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	14	1.6
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	3	1.6
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	15	1.6
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	19	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	10	1.6
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	18	1.6
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	10	1.6
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	18	1.6
(1,411)	1:149:A:LEU:HD13	1:196:A:GLN:HB3	3	1.6
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	2	1.6
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	8	1.6
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	10	1.6
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	9	1.59
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	5	1.59
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB1	10	1.59
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	10	1.59
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	17	1.59
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	12	1.59
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	3	1.59
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	6	1.59
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	8	1.59
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	9	1.59
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	18	1.59
(1,2043)	1:98:A:LEU:HA	1:101:A:GLU:HG3	17	1.59
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	4	1.59
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	7	1.59
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	6	1.59
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	12	1.59
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	16	1.59
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	20	1.59
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	17	1.58
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	18	1.58
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	6	1.58
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	10	1.58
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	12	1.58
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	20	1.58
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB3	1	1.58
(1,3968)	1:154:A:ALA:HB2	1:130:A:ALA:HB3	4	1.58
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	7	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	1	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	3	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	5	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	10	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	11	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	13	1.58
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	17	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	19	1.58
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	11	1.58
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	15	1.58
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	13	1.58
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	4	1.58
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	15	1.58
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	2	1.58
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	6	1.58
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	13	1.58
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	15	1.58
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	8	1.58
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	14	1.58
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	18	1.58
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	10	1.57
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	5	1.57
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	14	1.57
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	7	1.57
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	8	1.57
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	14	1.57
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	19	1.57
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB2	13	1.57
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD23	18	1.57
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	4	1.57
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	7	1.57
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	14	1.57
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	1	1.57
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	11	1.57
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	9	1.57
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	8	1.57
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	17	1.57
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	1	1.57
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	13	1.57
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	9	1.57
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	4	1.57
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	3	1.57
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	3	1.57
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	17	1.57
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	4	1.57
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	9	1.57
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	3	1.56
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	20	1.56
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	10	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	4	1.56
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	9	1.56
(1,4009)	1:185:A:THR:HG23	1:182:A:GLN:HG2	11	1.56
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB1	11	1.56
(1,3968)	1:154:A:ALA:HB1	1:130:A:ALA:HB1	17	1.56
(1,3968)	1:154:A:ALA:HB2	1:130:A:ALA:HB3	20	1.56
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG23	3	1.56
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	10	1.56
(1,3379)	1:245:A:PHE:HB2	1:209:A:ARG:HG2	20	1.56
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	3	1.56
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	5	1.56
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	17	1.56
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	20	1.56
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	16	1.56
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	17	1.56
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	10	1.56
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	4	1.56
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	18	1.56
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	6	1.56
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	20	1.56
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	8	1.55
(1,4336)	1:178:A:MET:HE1	1:182:A:GLN:HE22	8	1.55
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	2	1.55
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	17	1.55
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	18	1.55
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB2	3	1.55
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	1	1.55
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	11	1.55
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	19	1.55
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	15	1.55
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	14	1.55
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	17	1.55
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	3	1.55
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	7	1.55
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	19	1.55
(1,2118)	1:136:A:LYS:HG3	1:113:A:GLN:HA	16	1.55
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	6	1.55
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	8	1.55
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	10	1.55
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	11	1.55
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	9	1.55
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	2	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	7	1.55
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG23	9	1.55
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG22	19	1.55
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	8	1.55
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	18	1.54
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	13	1.54
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	14	1.54
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	6	1.54
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	2	1.54
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	6	1.54
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	2	1.54
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	14	1.54
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	19	1.54
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	14	1.54
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	8	1.54
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	16	1.54
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	8	1.54
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	13	1.54
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	20	1.54
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	1	1.54
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	5	1.54
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	7	1.54
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	20	1.54
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	8	1.54
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	14	1.54
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	4	1.54
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	12	1.54
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	4	1.54
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	11	1.54
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG22	11	1.54
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	13	1.54
(1,389)	1:175:A:LEU:HD23	1:236:A:PRO:HB2	11	1.54
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	15	1.53
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	2	1.53
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	7	1.53
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	16	1.53
(1,3968)	1:154:A:ALA:HB3	1:130:A:ALA:HB2	8	1.53
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	10	1.53
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	9	1.53
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	18	1.53
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	7	1.53
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG23	14	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	17	1.53
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	18	1.53
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	20	1.53
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	19	1.53
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	16	1.53
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	4	1.53
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	6	1.53
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	11	1.53
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	1	1.53
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	6	1.53
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	9	1.53
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	14	1.53
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	12	1.53
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	8	1.53
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	19	1.53
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB2	20	1.53
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	5	1.53
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG21	15	1.53
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	2	1.53
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	5	1.53
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	13	1.52
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	17	1.52
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	3	1.52
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	4	1.52
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	3	1.52
(1,4009)	1:185:A:THR:HG22	1:182:A:GLN:HG2	8	1.52
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG13	20	1.52
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	11	1.52
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	12	1.52
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	18	1.52
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	1	1.52
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	16	1.52
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	1	1.52
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	8	1.52
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	13	1.52
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	5	1.52
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	10	1.52
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	5	1.52
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	12	1.52
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	18	1.52
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	20	1.52
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	19	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	12	1.52
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	14	1.52
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	18	1.52
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	12	1.52
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB3	15	1.52
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	9	1.52
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	6	1.52
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	10	1.52
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	13	1.52
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	19	1.52
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB2	1	1.52
(1,394)	1:104:A:LEU:HA	1:102:A:ILE:HG22	4	1.52
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	14	1.51
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	17	1.51
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	20	1.51
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	20	1.51
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	1	1.51
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	2	1.51
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	11	1.51
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG12	14	1.51
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	4	1.51
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	20	1.51
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	2	1.51
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	20	1.51
(1,2724)	1:97:A:LEU:HD12	1:132:A:TYR:HB3	2	1.51
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	3	1.51
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	6	1.51
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	1	1.51
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	3	1.51
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	2	1.51
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	4	1.51
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	10	1.51
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	11	1.51
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	19	1.51
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	5	1.51
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	14	1.51
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	20	1.51
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	15	1.51
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	7	1.51
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	16	1.51
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	7	1.51
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	17	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	14	1.51
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	17	1.51
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	3	1.5
(1,4018)	1:136:A:LYS:HD3	1:113:A:GLN:HG3	11	1.5
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	5	1.5
(1,4009)	1:185:A:THR:HG23	1:182:A:GLN:HG2	14	1.5
(1,4009)	1:185:A:THR:HG22	1:182:A:GLN:HG2	20	1.5
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	3	1.5
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD23	8	1.5
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD21	12	1.5
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	8	1.5
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	1	1.5
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG21	5	1.5
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	20	1.5
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	4	1.5
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	9	1.5
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	11	1.5
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	2	1.5
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	3	1.5
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	15	1.5
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	7	1.5
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	3	1.5
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	2	1.5
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	8	1.5
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	2	1.5
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	6	1.5
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	20	1.49
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	7	1.49
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	11	1.49
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	16	1.49
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	6	1.49
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	12	1.49
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	20	1.49
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	8	1.49
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	8	1.49
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	12	1.49
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	2	1.49
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	16	1.49
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	17	1.49
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	20	1.49
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	12	1.49
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	15	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2525)	1:160:A:GLY:HA2	1:163:A:GLU:HB3	17	1.49
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	9	1.49
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	18	1.49
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB2	14	1.49
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	17	1.49
(1,421)	1:188:A:ILE:HD12	1:198:A:TRP:HB2	5	1.49
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	13	1.49
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	2	1.48
(1,4336)	1:178:A:MET:HE2	1:182:A:GLN:HE22	1	1.48
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	13	1.48
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	16	1.48
(1,4009)	1:185:A:THR:HG23	1:182:A:GLN:HG2	18	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	2	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	4	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	6	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	11	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	15	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	17	1.48
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	19	1.48
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	1	1.48
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	19	1.48
(1,3446)	1:215:A:MET:HB2	1:242:A:VAL:HG11	2	1.48
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	10	1.48
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG23	7	1.48
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	14	1.48
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	11	1.48
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	7	1.48
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	12	1.48
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	3	1.48
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	11	1.48
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	18	1.48
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	4	1.48
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	20	1.48
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	3	1.48
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	15	1.48
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	20	1.48
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	15	1.48
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	9	1.47
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	10	1.47
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	11	1.47
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	15	1.47
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	1	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	3	1.47
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	5	1.47
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	7	1.47
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	8	1.47
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	10	1.47
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	13	1.47
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	7	1.47
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	10	1.47
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	6	1.47
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	13	1.47
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	5	1.47
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	19	1.47
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	5	1.47
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	15	1.47
(1,2724)	1:97:A:LEU:HD13	1:132:A:TYR:HB3	18	1.47
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	7	1.47
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	13	1.47
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	19	1.47
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	15	1.47
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	2	1.47
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	6	1.47
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	12	1.47
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	18	1.47
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	5	1.47
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	11	1.47
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	15	1.47
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	8	1.47
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	9	1.47
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	12	1.47
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB2	17	1.47
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	10	1.47
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	1	1.46
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	6	1.46
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	18	1.46
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	12	1.46
(1,4336)	1:178:A:MET:HE2	1:182:A:GLN:HE22	20	1.46
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	10	1.46
(1,4009)	1:185:A:THR:HG23	1:182:A:GLN:HG2	1	1.46
(1,3723)	1:178:A:MET:HE1	1:182:A:GLN:HG2	9	1.46
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	6	1.46
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	12	1.46
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	9	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	16	1.46
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	18	1.46
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	16	1.46
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	4	1.46
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	9	1.46
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	9	1.46
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	13	1.46
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	14	1.46
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	3	1.46
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	8	1.46
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	15	1.46
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG23	5	1.46
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	17	1.46
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG23	19	1.46
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	4	1.46
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	14	1.46
(1,2724)	1:97:A:LEU:HD12	1:132:A:TYR:HB3	10	1.46
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	19	1.46
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	11	1.46
(1,1775)	1:119:A:ILE:HD11	1:132:A:TYR:HB3	5	1.46
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD21	5	1.46
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	12	1.46
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	2	1.46
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	10	1.46
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	12	1.46
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	16	1.46
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	7	1.46
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	1	1.46
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	5	1.46
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	7	1.46
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	4	1.46
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	17	1.45
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	4	1.45
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	12	1.45
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	14	1.45
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	8	1.45
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	18	1.45
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	4	1.45
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	11	1.45
(1,4336)	1:178:A:MET:HE2	1:182:A:GLN:HE22	18	1.45
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	14	1.45
(1,4215)	1:103:A:LYS:HG2	1:106:A:GLN:HG2	19	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	14	1.45
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	18	1.45
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	2	1.45
(1,3513)	1:136:A:LYS:HD3	1:137:A:ILE:H	14	1.45
(1,3444)	1:240:A:VAL:HB	1:241:A:ASN:HD22	8	1.45
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	6	1.45
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	14	1.45
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	1	1.45
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	5	1.45
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	6	1.45
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	10	1.45
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	16	1.45
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	19	1.45
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	15	1.45
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	17	1.45
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	10	1.45
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	3	1.45
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	7	1.45
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	18	1.45
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	20	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG22	1	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	3	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	9	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	10	1.45
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG22	11	1.45
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	1	1.45
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	10	1.45
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	17	1.45
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	11	1.45
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	15	1.45
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	6	1.45
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD13	8	1.45
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	19	1.45
(1,1132)	1:108:A:ASP:HB2	1:112:A:ALA:HB1	11	1.45
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	5	1.45
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	11	1.45
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	15	1.45
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	16	1.45
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD11	11	1.45
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD12	16	1.45
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	2	1.45
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	6	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	11	1.44
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	2	1.44
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	17	1.44
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	19	1.44
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	1	1.44
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	6	1.44
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	7	1.44
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	11	1.44
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	12	1.44
(1,3711)	1:220:A:ALA:HB1	1:224:A:LYS:HE2	17	1.44
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	18	1.44
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	6	1.44
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	15	1.44
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	3	1.44
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	9	1.44
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	16	1.44
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	11	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	2	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	3	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	7	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	11	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	17	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	18	1.44
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	20	1.44
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	3	1.44
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	11	1.44
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	18	1.44
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	11	1.44
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	16	1.44
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG22	4	1.44
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG23	8	1.44
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	16	1.44
(1,2539)	1:180:A:GLN:HG3	1:206:A:PHE:H	9	1.44
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	7	1.44
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	14	1.44
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	5	1.44
(1,1604)	1:185:A:THR:HG22	1:182:A:GLN:HE21	8	1.44
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	2	1.44
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	3	1.44
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	6	1.44
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	15	1.44
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	12	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	13	1.44
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	1	1.44
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	7	1.44
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	14	1.44
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	19	1.44
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	1	1.44
(1,498)	1:88:A:ASN:HB2	1:89:A:ASP:HB2	6	1.44
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	7	1.44
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE3	13	1.44
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	17	1.44
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	9	1.43
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	12	1.43
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	17	1.43
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	8	1.43
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	10	1.43
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	12	1.43
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	16	1.43
(1,4336)	1:178:A:MET:HE3	1:182:A:GLN:HE22	5	1.43
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	4	1.43
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	9	1.43
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	10	1.43
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	12	1.43
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	19	1.43
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	12	1.43
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	9	1.43
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	18	1.43
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	4	1.43
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	8	1.43
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	12	1.43
(1,3198)	1:114:A:ASN:HB2	1:115:A:LEU:HA	15	1.43
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	4	1.43
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	18	1.43
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	4	1.43
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	6	1.43
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	2	1.43
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	4	1.43
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	5	1.43
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	12	1.43
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	2	1.43
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	6	1.43
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	15	1.43
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG22	18	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:97:A:LEU:HD11	1:132:A:TYR:HB3	14	1.43
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	2	1.43
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	5	1.43
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	16	1.43
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	19	1.43
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD22	6	1.43
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD23	7	1.43
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD22	9	1.43
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD22	20	1.43
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	13	1.43
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	19	1.43
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	20	1.43
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	14	1.43
(1,1604)	1:185:A:THR:HG22	1:182:A:GLN:HE21	20	1.43
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	2	1.43
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	7	1.43
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	17	1.43
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	2	1.43
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	5	1.43
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	15	1.43
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	20	1.43
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	3	1.43
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	4	1.43
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	17	1.43
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	9	1.43
(1,389)	1:175:A:LEU:HD23	1:236:A:PRO:HB2	14	1.43
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	17	1.43
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	16	1.42
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	8	1.42
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	10	1.42
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	2	1.42
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	3	1.42
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	4	1.42
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	17	1.42
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	8	1.42
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	20	1.42
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	8	1.42
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	11	1.42
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	13	1.42
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	18	1.42
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	5	1.42
(1,3231)	1:106:A:GLN:HA	1:107:A:LYS:HE2	8	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	13	1.42
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	19	1.42
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	19	1.42
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	6	1.42
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	18	1.42
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	1	1.42
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	9	1.42
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	14	1.42
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	18	1.42
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	15	1.42
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	17	1.42
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD21	14	1.42
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD23	1	1.42
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD22	12	1.42
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	1	1.42
(1,1472)	1:143:A:ARG:HG3	1:141:A:GLN:HB3	19	1.42
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD21	8	1.42
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	9	1.42
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	13	1.42
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	18	1.42
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	8	1.42
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	9	1.42
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	19	1.42
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	5	1.42
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	9	1.42
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	17	1.42
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD11	16	1.42
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	13	1.42
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	18	1.42
(1,5859)	1:209:A:ARG:H	1:209:A:ARG:HE	10	1.41
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	4	1.41
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	7	1.41
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	15	1.41
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	14	1.41
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	6	1.41
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	7	1.41
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	11	1.41
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	16	1.41
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	8	1.41
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	5	1.41
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	6	1.41
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	13	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	7	1.41
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	8	1.41
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	20	1.41
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	6	1.41
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	8	1.41
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	2	1.41
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	13	1.41
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	15	1.41
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	19	1.41
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	8	1.41
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	12	1.41
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	18	1.41
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	7	1.41
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	14	1.41
(1,1926)	1:180:A:GLN:HB2	1:203:A:ARG:HB3	13	1.41
(1,1775)	1:119:A:ILE:HD11	1:132:A:TYR:HB3	3	1.41
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	4	1.41
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD21	2	1.41
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD22	11	1.41
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD22	15	1.41
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD22	17	1.41
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	1	1.41
(1,1498)	1:45:A:LEU:HD12	1:75:A:GLN:HE21	5	1.41
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	4	1.41
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	16	1.41
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD21	20	1.41
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	6	1.41
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	7	1.41
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	14	1.41
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	18	1.41
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	1	1.41
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	6	1.41
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	14	1.41
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG21	3	1.41
(1,422)	1:168:A:ILE:HD13	1:233:A:LYS:HE2	5	1.41
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	1	1.41
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	20	1.41
(1,389)	1:175:A:LEU:HD23	1:236:A:PRO:HB2	3	1.41
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	7	1.41
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	16	1.41
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	3	1.4
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	19	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4302)	1:61:A:LEU:HD12	1:91:A:GLN:HE22	4	1.4
(1,4302)	1:61:A:LEU:HD12	1:91:A:GLN:HE22	7	1.4
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	19	1.4
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	4	1.4
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	5	1.4
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	20	1.4
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	3	1.4
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	11	1.4
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	14	1.4
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	19	1.4
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	20	1.4
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	16	1.4
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	17	1.4
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	5	1.4
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	13	1.4
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	13	1.4
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD22	12	1.4
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD21	19	1.4
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD21	8	1.4
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD22	14	1.4
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD21	16	1.4
(1,1604)	1:185:A:THR:HG21	1:182:A:GLN:HE21	5	1.4
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	18	1.4
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	19	1.4
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	20	1.4
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	1	1.4
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	10	1.4
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	1	1.4
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	10	1.4
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	11	1.4
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	13	1.4
(1,729)	1:156:A:GLU:HA	1:155:A:GLN:HG2	3	1.4
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	9	1.4
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	13	1.4
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	13	1.39
(1,4771)	1:167:A:ASN:H	1:168:A:ILE:HG13	5	1.39
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	14	1.39
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	8	1.39
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	9	1.39
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	15	1.39
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	4	1.39
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	20	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	13	1.39
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	5	1.39
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	6	1.39
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	8	1.39
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	17	1.39
(1,3204)	1:98:A:LEU:HA	1:102:A:ILE:HG12	15	1.39
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	5	1.39
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	7	1.39
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	8	1.39
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG22	20	1.39
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	2	1.39
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	9	1.39
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	16	1.39
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	1	1.39
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	10	1.39
(1,1775)	1:119:A:ILE:HD11	1:132:A:TYR:HB3	11	1.39
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	18	1.39
(1,1775)	1:119:A:ILE:HD11	1:132:A:TYR:HB3	20	1.39
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	19	1.39
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD23	3	1.39
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD23	10	1.39
(1,1720)	1:146:A:ILE:HG22	1:149:A:LEU:HD22	13	1.39
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	3	1.39
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	10	1.39
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	18	1.39
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD21	19	1.39
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	4	1.39
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	6	1.39
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	3	1.39
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	16	1.39
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	17	1.39
(1,421)	1:188:A:ILE:HD11	1:198:A:TRP:HB2	16	1.39
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG21	20	1.39
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	1	1.38
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	4	1.38
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	16	1.38
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	18	1.38
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	1	1.38
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	7	1.38
(1,4429)	1:28:A:GLN:HB3	1:59:A:TRP:HZ2	8	1.38
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	2	1.38
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD23	3	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	6	1.38
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	15	1.38
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	1	1.38
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	2	1.38
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	1	1.38
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	18	1.38
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	13	1.38
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	15	1.38
(1,3379)	1:245:A:PHE:HB2	1:209:A:ARG:HG2	8	1.38
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	1	1.38
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	13	1.38
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	8	1.38
(1,2844)	1:121:A:PRO:HD2	1:119:A:ILE:HG21	12	1.38
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB1	13	1.38
(1,1775)	1:119:A:ILE:HD13	1:132:A:TYR:HB3	8	1.38
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	12	1.38
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	14	1.38
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	17	1.38
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD21	19	1.38
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	3	1.38
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD21	5	1.38
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD22	11	1.38
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	12	1.38
(1,1327)	1:225:A:ARG:HB3	1:224:A:LYS:H	4	1.38
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	20	1.38
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	11	1.38
(1,1140)	1:114:A:ASN:HB2	1:115:A:LEU:HD12	3	1.38
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	10	1.38
(1,421)	1:188:A:ILE:HD12	1:198:A:TRP:HB2	19	1.38
(1,389)	1:175:A:LEU:HD23	1:236:A:PRO:HB2	20	1.38
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	14	1.37
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	20	1.37
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	5	1.37
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	15	1.37
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	18	1.37
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	10	1.37
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	2	1.37
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	13	1.37
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	16	1.37
(1,3711)	1:220:A:ALA:HB2	1:224:A:LYS:HE2	11	1.37
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	9	1.37
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	11	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	20	1.37
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	2	1.37
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	4	1.37
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	8	1.37
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	9	1.37
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	12	1.37
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	11	1.37
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	3	1.37
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	17	1.37
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	4	1.37
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	20	1.37
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	3	1.37
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	2	1.37
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	13	1.37
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	12	1.37
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	9	1.37
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	14	1.37
(1,421)	1:188:A:ILE:HD12	1:198:A:TRP:HB2	12	1.37
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	1	1.37
(1,389)	1:175:A:LEU:HD21	1:236:A:PRO:HB2	12	1.37
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	18	1.36
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	19	1.36
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	9	1.36
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	13	1.36
(1,4534)	1:206:A:PHE:HD2	1:180:A:GLN:HG3	20	1.36
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	1	1.36
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	7	1.36
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	20	1.36
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	3	1.36
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	18	1.36
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD23	17	1.36
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	14	1.36
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	1	1.36
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	10	1.36
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	12	1.36
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	4	1.36
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	7	1.36
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	3	1.36
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	5	1.36
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	9	1.36
(1,2886)	1:205:A:TRP:HA	1:215:A:MET:HB3	10	1.36
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	5	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	6	1.36
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	7	1.36
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	10	1.36
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB2	10	1.36
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	14	1.36
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	16	1.36
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	9	1.36
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD21	1	1.36
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD23	7	1.36
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD23	15	1.36
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	6	1.36
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	10	1.36
(1,1746)	1:137:A:ILE:HG23	1:138:A:ASP:HB3	15	1.36
(1,1720)	1:146:A:ILE:HG21	1:149:A:LEU:HD22	4	1.36
(1,1604)	1:185:A:THR:HG21	1:182:A:GLN:HE21	9	1.36
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	13	1.36
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	16	1.36
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG23	13	1.36
(1,524)	1:202:A:GLN:HB2	1:199:A:LEU:HD13	18	1.36
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	11	1.36
(1,389)	1:175:A:LEU:HD22	1:236:A:PRO:HB2	19	1.36
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	8	1.35
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	1	1.35
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	5	1.35
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	6	1.35
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	3	1.35
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	5	1.35
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	10	1.35
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	12	1.35
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	19	1.35
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	10	1.35
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	4	1.35
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	13	1.35
(1,3117)	1:242:A:VAL:HA	1:212:A:PRO:HB2	14	1.35
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	16	1.35
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB1	6	1.35
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	1	1.35
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	17	1.35
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	2	1.35
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD22	3	1.35
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD22	4	1.35
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD22	10	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD23	13	1.35
(1,1746)	1:137:A:ILE:HG23	1:138:A:ASP:HB3	9	1.35
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	12	1.35
(1,1720)	1:146:A:ILE:HG23	1:149:A:LEU:HD22	18	1.35
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	4	1.35
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	7	1.35
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	17	1.35
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	18	1.35
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	19	1.35
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	20	1.35
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	4	1.35
(1,1498)	1:45:A:LEU:HD13	1:75:A:GLN:HE21	13	1.35
(1,1498)	1:45:A:LEU:HD11	1:75:A:GLN:HE21	16	1.35
(1,1458)	1:121:A:PRO:HG2	1:124:A:LEU:HD23	14	1.35
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	3	1.35
(1,421)	1:188:A:ILE:HD12	1:198:A:TRP:HB2	8	1.35
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	2	1.34
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	2	1.34
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	11	1.34
(1,4302)	1:61:A:LEU:HD12	1:91:A:GLN:HE22	15	1.34
(1,4103)	1:103:A:LYS:HE3	1:111:A:GLY:HA2	15	1.34
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	11	1.34
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	9	1.34
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	12	1.34
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	20	1.34
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	3	1.34
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	6	1.34
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	12	1.34
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	7	1.34
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	16	1.34
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	15	1.34
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	3	1.34
(1,3494)	1:155:A:GLN:HB2	1:133:A:TRP:H	14	1.34
(1,3399)	1:181:A:GLU:HG2	1:180:A:GLN:HG2	7	1.34
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	5	1.34
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	17	1.34
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	20	1.34
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	19	1.34
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB1	7	1.34
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	20	1.34
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	6	1.34
(1,1775)	1:119:A:ILE:HD12	1:132:A:TYR:HB3	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD23	2	1.34
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD23	5	1.34
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD21	6	1.34
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD23	18	1.34
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	3	1.34
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	5	1.34
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	16	1.34
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	2	1.34
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	5	1.34
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	6	1.34
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	11	1.34
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	16	1.34
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	8	1.34
(1,449)	1:239:A:LEU:HD13	1:215:A:MET:HG3	10	1.34
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	2	1.33
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	19	1.33
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	6	1.33
(1,4336)	1:178:A:MET:HE3	1:182:A:GLN:HE22	7	1.33
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	19	1.33
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	18	1.33
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	20	1.33
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	17	1.33
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	5	1.33
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	7	1.33
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	3	1.33
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	3	1.33
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	7	1.33
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	7	1.33
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	4	1.33
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	8	1.33
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	9	1.33
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	10	1.33
(1,1753)	1:154:A:ALA:HB2	1:158:A:LEU:HD21	20	1.33
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	1	1.33
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	1	1.33
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	8	1.33
(1,1551)	1:116:A:LEU:HD21	1:136:A:LYS:HE3	9	1.33
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	10	1.33
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	6	1.33
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	1	1.33
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	7	1.33
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	12	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	19	1.33
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	17	1.33
(1,449)	1:239:A:LEU:HD13	1:215:A:MET:HG3	17	1.33
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	14	1.33
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	15	1.33
(1,421)	1:188:A:ILE:HD13	1:198:A:TRP:HB2	18	1.33
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	14	1.32
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	5	1.32
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	11	1.32
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	8	1.32
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	19	1.32
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	10	1.32
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	5	1.32
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	9	1.32
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	2	1.32
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	15	1.32
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	10	1.32
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	17	1.32
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	3	1.32
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	11	1.32
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD22	9	1.32
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	4	1.32
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	7	1.32
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	20	1.32
(1,1551)	1:116:A:LEU:HD22	1:136:A:LYS:HE3	14	1.32
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	10	1.32
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	2	1.32
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	6	1.32
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	17	1.31
(1,4336)	1:178:A:MET:HE2	1:182:A:GLN:HE22	2	1.31
(1,4336)	1:178:A:MET:HE1	1:182:A:GLN:HE22	14	1.31
(1,4204)	1:50:A:GLN:HB3	1:47:A:GLN:HB2	7	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	4	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	7	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	9	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	10	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	12	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	18	1.31
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	20	1.31
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD23	12	1.31
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	1	1.31
(1,3711)	1:220:A:ALA:HB1	1:224:A:LYS:HE2	16	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	7	1.31
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	8	1.31
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	10	1.31
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	12	1.31
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	16	1.31
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	15	1.31
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	12	1.31
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	4	1.31
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	9	1.31
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	11	1.31
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	17	1.31
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	15	1.31
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	3	1.31
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	19	1.31
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD22	11	1.31
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	8	1.31
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG23	6	1.31
(1,1541)	1:79:A:LEU:HD23	1:75:A:GLN:HE22	17	1.31
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	2	1.31
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	15	1.31
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	17	1.31
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	15	1.31
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	13	1.3
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	14	1.3
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	1	1.3
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	6	1.3
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	13	1.3
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	14	1.3
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	15	1.3
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	1	1.3
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	18	1.3
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	14	1.3
(1,3837)	1:239:A:LEU:HD12	1:238:A:GLN:HG2	16	1.3
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	19	1.3
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	6	1.3
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	17	1.3
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	18	1.3
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	3	1.3
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	1	1.3
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	2	1.3
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	16	1.3
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	12	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	20	1.3
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	11	1.3
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	19	1.3
(1,2390)	1:228:A:ASN:HB3	1:227:A:PRO:HG3	18	1.3
(1,1746)	1:137:A:ILE:HG21	1:138:A:ASP:HB3	11	1.3
(1,1746)	1:137:A:ILE:HG22	1:138:A:ASP:HB3	18	1.3
(1,1408)	1:182:A:GLN:HB2	1:178:A:MET:HG2	9	1.3
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	3	1.3
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	10	1.3
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	19	1.3
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	11	1.3
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	12	1.3
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	10	1.29
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	4	1.29
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	5	1.29
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	4	1.29
(1,4336)	1:178:A:MET:HE1	1:182:A:GLN:HE22	12	1.29
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	5	1.29
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	20	1.29
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	8	1.29
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	16	1.29
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	5	1.29
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD13	10	1.29
(1,3837)	1:239:A:LEU:HD12	1:238:A:GLN:HG2	13	1.29
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	20	1.29
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	3	1.29
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	8	1.29
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	9	1.29
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	11	1.29
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	16	1.29
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	17	1.29
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	15	1.29
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	5	1.29
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	14	1.29
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	19	1.29
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	9	1.29
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	20	1.29
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	12	1.29
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	18	1.29
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	12	1.29
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	16	1.29
(1,1753)	1:154:A:ALA:HB1	1:158:A:LEU:HD21	17	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1709)	1:239:A:LEU:HD21	1:168:A:ILE:HG23	10	1.29
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	6	1.29
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	10	1.28
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	20	1.28
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	14	1.28
(1,4336)	1:178:A:MET:HE3	1:182:A:GLN:HE22	3	1.28
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	19	1.28
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	2	1.28
(1,4053)	1:65:A:ARG:HD3	1:69:A:LYS:HE2	8	1.28
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	18	1.28
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	11	1.28
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	5	1.28
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	14	1.28
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	2	1.28
(1,3711)	1:220:A:ALA:HB3	1:224:A:LYS:HE2	4	1.28
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	7	1.28
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	19	1.28
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	9	1.28
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	11	1.28
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	12	1.28
(1,3058)	1:106:A:GLN:HA	1:108:A:ASP:HB3	16	1.28
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	14	1.28
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	18	1.28
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	2	1.28
(1,2841)	1:121:A:PRO:HD3	1:122:A:ALA:HB3	15	1.28
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	2	1.28
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	18	1.28
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	18	1.28
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD23	8	1.28
(1,1551)	1:116:A:LEU:HD23	1:136:A:LYS:HE3	15	1.28
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	15	1.28
(1,1541)	1:79:A:LEU:HD23	1:75:A:GLN:HE22	20	1.28
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	9	1.28
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	16	1.28
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	18	1.28
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	13	1.28
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	2	1.28
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	10	1.28
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	7	1.28
(1,449)	1:239:A:LEU:HD13	1:215:A:MET:HG3	16	1.28
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	18	1.28
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	15	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	6	1.27
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	1	1.27
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	9	1.27
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	16	1.27
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	2	1.27
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	9	1.27
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	18	1.27
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	4	1.27
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	10	1.27
(1,3999)	1:143:A:ARG:H	1:141:A:GLN:HB3	19	1.27
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	17	1.27
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	4	1.27
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	2	1.27
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	1	1.27
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	5	1.27
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	4	1.27
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	6	1.27
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	12	1.27
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	20	1.27
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	6	1.27
(1,2850)	1:201:A:LEU:HD22	1:221:A:ASP:HB2	13	1.27
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	1	1.27
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	8	1.27
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	9	1.27
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG22	2	1.27
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	2	1.27
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	13	1.27
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	11	1.27
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	14	1.27
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	18	1.27
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	20	1.27
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	3	1.27
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD13	18	1.27
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	5	1.27
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	12	1.27
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	1	1.27
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	5	1.27
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	12	1.26
(1,5141)	1:32:A:TYR:H	1:33:A:MET:HB3	11	1.26
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	7	1.26
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	9	1.26
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	18	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	14	1.26
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	1	1.26
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	16	1.26
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD13	6	1.26
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	6	1.26
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	10	1.26
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	12	1.26
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	12	1.26
(1,1617)	1:77:A:VAL:HG13	1:106:A:GLN:HE21	4	1.26
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	17	1.26
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	12	1.26
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	18	1.26
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD13	2	1.26
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	4	1.26
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	6	1.26
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	12	1.26
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	14	1.26
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	1	1.26
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	6	1.26
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	7	1.26
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	17	1.26
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	3	1.26
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	4	1.26
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	19	1.26
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG22	8	1.26
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	12	1.25
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	17	1.25
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	3	1.25
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	12	1.25
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	17	1.25
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	18	1.25
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	19	1.25
(1,4336)	1:178:A:MET:HE3	1:182:A:GLN:HE22	6	1.25
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	11	1.25
(1,4161)	1:103:A:LYS:HA	1:103:A:LYS:HE3	3	1.25
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	5	1.25
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD23	10	1.25
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	3	1.25
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	17	1.25
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	5	1.25
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD13	17	1.25
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	7	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	8	1.25
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	4	1.25
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	15	1.25
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	18	1.25
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD22	8	1.25
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	17	1.25
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	2	1.25
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	11	1.25
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	8	1.25
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	13	1.25
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	19	1.25
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	1	1.25
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	4	1.25
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	16	1.25
(1,2850)	1:201:A:LEU:HD23	1:221:A:ASP:HB2	1	1.25
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	4	1.25
(1,2136)	1:102:A:ILE:HD12	1:106:A:GLN:HE21	11	1.25
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	19	1.25
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	2	1.25
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	6	1.25
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	10	1.25
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	7	1.25
(1,1753)	1:154:A:ALA:HB3	1:158:A:LEU:HD21	16	1.25
(1,1709)	1:239:A:LEU:HD21	1:168:A:ILE:HG21	5	1.25
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG22	17	1.25
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	15	1.25
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	1	1.25
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	7	1.25
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	9	1.25
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	11	1.25
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	3	1.25
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	4	1.25
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	3	1.25
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	12	1.25
(1,449)	1:239:A:LEU:HD13	1:215:A:MET:HG3	13	1.25
(1,417)	1:45:A:LEU:HD23	1:63:A:ALA:HA	13	1.25
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	5	1.24
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	4	1.24
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	20	1.24
(1,4336)	1:178:A:MET:HE1	1:182:A:GLN:HE22	17	1.24
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	3	1.24
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	1	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	16	1.24
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	6	1.24
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	8	1.24
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD13	16	1.24
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	3	1.24
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	4	1.24
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	11	1.24
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD23	2	1.24
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	1	1.24
(1,2850)	1:201:A:LEU:HD21	1:221:A:ASP:HB2	14	1.24
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	20	1.24
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	14	1.24
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	17	1.24
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	1	1.24
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG22	4	1.24
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG22	12	1.24
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG21	16	1.24
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	13	1.24
(1,1617)	1:77:A:VAL:HG13	1:106:A:GLN:HE21	19	1.24
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	4	1.24
(1,1541)	1:79:A:LEU:HD23	1:75:A:GLN:HE22	9	1.24
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	2	1.24
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	5	1.24
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG23	6	1.24
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG21	11	1.24
(1,649)	1:210:A:ASN:H	1:210:A:ASN:HD22	18	1.24
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	14	1.24
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	16	1.24
(1,449)	1:239:A:LEU:HD11	1:215:A:MET:HG3	9	1.24
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	5	1.23
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	12	1.23
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	7	1.23
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	15	1.23
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	16	1.23
(1,4099)	1:103:A:LYS:HG2	1:111:A:GLY:HA2	17	1.23
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	12	1.23
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	3	1.23
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	20	1.23
(1,3711)	1:220:A:ALA:HB1	1:224:A:LYS:HE2	1	1.23
(1,3657)	1:195:A:LEU:HD11	1:195:A:LEU:HB3	12	1.23
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	15	1.23
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	18	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	9	1.23
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	12	1.23
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	10	1.23
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	13	1.23
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE2	1	1.23
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	11	1.23
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	14	1.23
(1,2572)	1:104:A:LEU:HD13	1:101:A:GLU:HG2	17	1.23
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	14	1.23
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	1	1.23
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	15	1.23
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	16	1.23
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG22	7	1.23
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	6	1.23
(1,1617)	1:77:A:VAL:HG12	1:106:A:GLN:HE21	11	1.23
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	6	1.23
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	20	1.23
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	1	1.23
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	7	1.23
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	19	1.23
(1,451)	1:173:A:GLN:HG2	1:169:A:ASP:HB2	15	1.23
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	8	1.23
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	11	1.23
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	14	1.23
(1,449)	1:239:A:LEU:HD12	1:215:A:MET:HG3	20	1.23
(1,417)	1:45:A:LEU:HD21	1:63:A:ALA:HA	4	1.23
(1,417)	1:45:A:LEU:HD23	1:63:A:ALA:HA	19	1.23
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	7	1.23
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	15	1.23
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	13	1.23
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	2	1.23
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	19	1.22
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	2	1.22
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	13	1.22
(1,4336)	1:178:A:MET:HE3	1:182:A:GLN:HE22	10	1.22
(1,4336)	1:178:A:MET:HE2	1:182:A:GLN:HE22	11	1.22
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	2	1.22
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	14	1.22
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	9	1.22
(1,3657)	1:195:A:LEU:HD11	1:195:A:LEU:HB3	1	1.22
(1,3657)	1:195:A:LEU:HD13	1:195:A:LEU:HB3	3	1.22
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	17	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	19	1.22
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	13	1.22
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	20	1.22
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	10	1.22
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	13	1.22
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	20	1.22
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	8	1.22
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	12	1.22
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	15	1.22
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	17	1.22
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	13	1.22
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	4	1.22
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	16	1.22
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	19	1.22
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG22	1	1.22
(1,1709)	1:239:A:LEU:HD21	1:168:A:ILE:HG21	13	1.22
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG23	15	1.22
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG23	19	1.22
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	2	1.22
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	17	1.22
(1,890)	1:106:A:GLN:HA	1:106:A:GLN:HE22	8	1.22
(1,649)	1:210:A:ASN:H	1:209:A:ARG:HE	10	1.22
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	7	1.22
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	13	1.22
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	15	1.22
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	4	1.22
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	11	1.22
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	18	1.22
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	20	1.22
(1,417)	1:45:A:LEU:HD21	1:63:A:ALA:HA	18	1.22
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	12	1.22
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	9	1.22
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	5	1.21
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	2	1.21
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	6	1.21
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	11	1.21
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	13	1.21
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	19	1.21
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	19	1.21
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	2	1.21
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	7	1.21
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	15	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3711)	1:220:A:ALA:HB3	1:224:A:LYS:HE2	7	1.21
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	16	1.21
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	14	1.21
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	15	1.21
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	8	1.21
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	20	1.21
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	10	1.21
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	3	1.21
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	16	1.21
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	19	1.21
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	20	1.21
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	4	1.21
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	17	1.21
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG23	3	1.21
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG23	8	1.21
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	14	1.21
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	4	1.21
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	17	1.21
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG21	2	1.21
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG23	20	1.21
(1,652)	1:175:A:LEU:H	1:178:A:MET:HE2	3	1.21
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	13	1.21
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	8	1.21
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	8	1.2
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	6	1.2
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	7	1.2
(1,4142)	1:171:A:THR:HG23	1:169:A:ASP:H	12	1.2
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	1	1.2
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	3	1.2
(1,3657)	1:195:A:LEU:HD13	1:195:A:LEU:HB3	2	1.2
(1,3657)	1:195:A:LEU:HD11	1:195:A:LEU:HB3	8	1.2
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	9	1.2
(1,3657)	1:195:A:LEU:HD13	1:195:A:LEU:HB3	10	1.2
(1,3657)	1:195:A:LEU:HD13	1:195:A:LEU:HB3	11	1.2
(1,3657)	1:195:A:LEU:HD13	1:195:A:LEU:HB3	20	1.2
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	3	1.2
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	18	1.2
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	9	1.2
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	17	1.2
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	13	1.2
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE2	5	1.2
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	17	1.2
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	1	1.2
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	2	1.2
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	7	1.2
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	8	1.2
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD23	14	1.2
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	1	1.2
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	7	1.2
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	11	1.2
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	17	1.2
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	14	1.2
(1,1709)	1:239:A:LEU:HD21	1:168:A:ILE:HG21	14	1.2
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG23	20	1.2
(1,1058)	1:69:A:LYS:HE3	1:69:A:LYS:HB3	8	1.2
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG23	1	1.2
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	15	1.2
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	4	1.2
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	5	1.2
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	3	1.2
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	15	1.2
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	8	1.2
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	15	1.2
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	5	1.2
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	8	1.2
(1,417)	1:45:A:LEU:HD21	1:63:A:ALA:HA	1	1.2
(1,417)	1:45:A:LEU:HD23	1:60:A:GLN:HA	14	1.2
(1,417)	1:45:A:LEU:HD21	1:63:A:ALA:HA	15	1.2
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	2	1.2
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	6	1.2
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	11	1.2
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	18	1.2
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	13	1.19
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	7	1.19
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	3	1.19
(1,4348)	1:226:A:TYR:HE1	1:225:A:ARG:HG2	10	1.19
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	1	1.19
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	5	1.19
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	9	1.19
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	15	1.19
(1,4142)	1:171:A:THR:HG23	1:169:A:ASP:H	17	1.19
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	14	1.19
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	14	1.19
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	14	1.19
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	6	1.19
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	20	1.19
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	12	1.19
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	11	1.19
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	9	1.19
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	11	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	4	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD23	5	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	9	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	12	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD23	13	1.19
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	18	1.19
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD13	18	1.19
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	15	1.19
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	16	1.19
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	9	1.19
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	12	1.19
(1,685)	1:145:A:SER:HB2	1:146:A:ILE:HG23	12	1.19
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	17	1.19
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	18	1.19
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	3	1.19
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	16	1.19
(1,477)	1:160:A:GLY:HA2	1:164:A:LYS:HB2	9	1.19
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	12	1.19
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	19	1.19
(1,5859)	1:209:A:ARG:H	1:209:A:ARG:HE	8	1.18
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	20	1.18
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	10	1.18
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	11	1.18
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	17	1.18
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	11	1.18
(1,4142)	1:171:A:THR:HG23	1:169:A:ASP:H	2	1.18
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	3	1.18
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	8	1.18
(1,4142)	1:171:A:THR:HG23	1:169:A:ASP:H	10	1.18
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	16	1.18
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	19	1.18
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	18	1.18
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	4	1.18
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	7	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	5	1.18
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	6	1.18
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	8	1.18
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	12	1.18
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	15	1.18
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	6	1.18
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	7	1.18
(1,3033)	1:232:A:ALA:HB2	1:226:A:TYR:HB3	9	1.18
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	13	1.18
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	7	1.18
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG21	11	1.18
(1,1709)	1:239:A:LEU:HD22	1:168:A:ILE:HG22	18	1.18
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD13	1	1.18
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	4	1.18
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	2	1.18
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	11	1.18
(1,1248)	1:46:A:GLN:HG2	1:47:A:GLN:HG2	19	1.18
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	19	1.18
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	2	1.18
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	4	1.18
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	5	1.18
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	6	1.18
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	6	1.18
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	17	1.18
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	2	1.18
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	10	1.18
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	6	1.18
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	11	1.18
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	12	1.18
(1,417)	1:45:A:LEU:HD21	1:63:A:ALA:HA	5	1.18
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	13	1.18
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	4	1.18
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	14	1.18
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	14	1.17
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	15	1.17
(1,4568)	1:245:A:PHE:HE2	1:246:A:LYS:HG2	9	1.17
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	11	1.17
(1,4142)	1:171:A:THR:HG23	1:169:A:ASP:H	4	1.17
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	14	1.17
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	20	1.17
(1,4104)	1:103:A:LYS:HE3	1:108:A:ASP:HB2	3	1.17
(1,3939)	1:235:A:LEU:HD22	1:223:A:GLN:HB2	16	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	1	1.17
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	12	1.17
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	19	1.17
(1,3657)	1:195:A:LEU:HD12	1:195:A:LEU:HB3	6	1.17
(1,3657)	1:195:A:LEU:HD11	1:195:A:LEU:HB3	13	1.17
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	20	1.17
(1,3033)	1:232:A:ALA:HB2	1:226:A:TYR:HB3	2	1.17
(1,2941)	1:83:A:LEU:HD23	1:80:A:PHE:HB3	6	1.17
(1,2223)	1:224:A:LYS:HG2	1:224:A:LYS:HE2	13	1.17
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	8	1.17
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	16	1.17
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	10	1.17
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	1	1.17
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	17	1.17
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	11	1.17
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	16	1.17
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	12	1.17
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	18	1.17
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	19	1.17
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	20	1.17
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	7	1.17
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	19	1.17
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	20	1.17
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	5	1.17
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	20	1.17
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	4	1.16
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	7	1.16
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	10	1.16
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	15	1.16
(1,4142)	1:171:A:THR:HG21	1:169:A:ASP:H	11	1.16
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	15	1.16
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	4	1.16
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	3	1.16
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	17	1.16
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD11	18	1.16
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	4	1.16
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	18	1.16
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	3	1.16
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	5	1.16
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	1	1.16
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	1	1.16
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	9	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	14	1.16
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	11	1.16
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD13	12	1.16
(1,1709)	1:239:A:LEU:HD23	1:168:A:ILE:HG22	9	1.16
(1,1655)	1:232:A:ALA:HB2	1:201:A:LEU:HD13	9	1.16
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD13	11	1.16
(1,1655)	1:232:A:ALA:HB2	1:201:A:LEU:HD13	14	1.16
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD13	15	1.16
(1,1655)	1:232:A:ALA:HB2	1:201:A:LEU:HD11	16	1.16
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	11	1.16
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	6	1.16
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	16	1.16
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	7	1.16
(1,417)	1:45:A:LEU:HD22	1:60:A:GLN:HA	3	1.16
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	16	1.16
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	14	1.15
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	9	1.15
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	19	1.15
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	6	1.15
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	9	1.15
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	7	1.15
(1,4161)	1:103:A:LYS:HA	1:103:A:LYS:HE3	17	1.15
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD21	14	1.15
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD13	13	1.15
(1,3901)	1:219:A:ILE:HG13	1:239:A:LEU:HD12	20	1.15
(1,3711)	1:220:A:ALA:HB3	1:224:A:LYS:HE2	13	1.15
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	14	1.15
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	8	1.15
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	2	1.15
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	2	1.15
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	16	1.15
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD11	7	1.15
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	14	1.15
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	2	1.15
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	5	1.15
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	16	1.15
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	2	1.15
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	15	1.15
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	8	1.15
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	19	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	1	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	2	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	3	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	10	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	14	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	16	1.15
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	17	1.15
(1,417)	1:45:A:LEU:HD22	1:60:A:GLN:HA	12	1.15
(1,417)	1:45:A:LEU:HD21	1:60:A:GLN:HA	20	1.15
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	17	1.15
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	16	1.15
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	11	1.14
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	14	1.14
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	9	1.14
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	8	1.14
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	19	1.14
(1,4204)	1:50:A:GLN:HB3	1:47:A:GLN:HB2	1	1.14
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	1	1.14
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	20	1.14
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	7	1.14
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	19	1.14
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	15	1.14
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	10	1.14
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	14	1.14
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	3	1.14
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	8	1.14
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	4	1.14
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	20	1.14
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	13	1.14
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	4	1.14
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	20	1.14
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD12	12	1.14
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD12	17	1.14
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD13	19	1.14
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	3	1.14
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	14	1.14
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	16	1.14
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	19	1.14
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	1	1.14
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	14	1.14
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	15	1.14
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	10	1.14
(1,652)	1:175:A:LEU:H	1:178:A:MET:HE1	18	1.14
(1,534)	1:204:A:VAL:HG11	1:201:A:LEU:H	1	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:204:A:VAL:HG12	1:201:A:LEU:H	8	1.14
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	16	1.14
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	1	1.14
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	13	1.14
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	18	1.14
(1,417)	1:45:A:LEU:HD21	1:60:A:GLN:HA	10	1.14
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	9	1.14
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	5	1.13
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	2	1.13
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	3	1.13
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	4	1.13
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	9	1.13
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	11	1.13
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	14	1.13
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	17	1.13
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	10	1.13
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD23	4	1.13
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	2	1.13
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	9	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	1	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	2	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	3	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	4	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	5	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	6	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	7	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	8	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	9	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	11	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	12	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	13	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	15	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	17	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	19	1.13
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	20	1.13
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	2	1.13
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	6	1.13
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	1	1.13
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	17	1.13
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	9	1.13
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	19	1.13
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	8	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	19	1.13
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	20	1.13
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	7	1.13
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	8	1.13
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	4	1.13
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	3	1.13
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	15	1.13
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	15	1.13
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	3	1.13
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	1	1.13
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD13	3	1.13
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD12	20	1.13
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	10	1.13
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	7	1.13
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	12	1.13
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	7	1.13
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	8	1.13
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	4	1.13
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	8	1.13
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	18	1.13
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	10	1.13
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	20	1.13
(1,417)	1:45:A:LEU:HD23	1:63:A:ALA:HA	2	1.13
(1,417)	1:45:A:LEU:HD21	1:60:A:GLN:HA	7	1.13
(1,417)	1:45:A:LEU:HD22	1:63:A:ALA:HA	11	1.13
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	3	1.12
(1,5770)	1:140:A:SER:H	1:143:A:ARG:HB3	7	1.12
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	8	1.12
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	11	1.12
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	6	1.12
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	12	1.12
(1,4259)	1:67:A:LEU:HD23	1:67:A:LEU:HB2	15	1.12
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	18	1.12
(1,4142)	1:171:A:THR:HG22	1:169:A:ASP:H	18	1.12
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	9	1.12
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	19	1.12
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	20	1.12
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	17	1.12
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	10	1.12
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	14	1.12
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	16	1.12
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3109)	1:140:A:SER:HB3	1:143:A:ARG:HB3	7	1.12
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	17	1.12
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	18	1.12
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	19	1.12
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	2	1.12
(1,2941)	1:83:A:LEU:HD23	1:80:A:PHE:HB3	11	1.12
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	20	1.12
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	12	1.12
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	2	1.12
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	14	1.12
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD12	16	1.12
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	7	1.12
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	16	1.12
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	19	1.12
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	15	1.12
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	13	1.12
(1,2136)	1:102:A:ILE:HD12	1:106:A:GLN:HE21	14	1.12
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	15	1.12
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	16	1.12
(1,1655)	1:232:A:ALA:HB2	1:201:A:LEU:HD11	2	1.12
(1,1638)	1:194:A:ILE:HG21	1:228:A:ASN:HD21	18	1.12
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	8	1.12
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	20	1.12
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	5	1.12
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	7	1.12
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	16	1.12
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	4	1.12
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	9	1.12
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	4	1.12
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	9	1.12
(1,417)	1:45:A:LEU:HD22	1:63:A:ALA:HA	8	1.12
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	5	1.12
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	3	1.12
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	10	1.12
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	2	1.11
(1,4336)	1:178:A:MET:HE1	1:182:A:GLN:HE22	4	1.11
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	1	1.11
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	5	1.11
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	10	1.11
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	13	1.11
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	14	1.11
(1,4161)	1:103:A:LYS:HA	1:103:A:LYS:HE3	16	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	15	1.11
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	20	1.11
(1,3929)	1:198:A:TRP:HB2	1:198:A:TRP:HH2	18	1.11
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	6	1.11
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	16	1.11
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	5	1.11
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	14	1.11
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	7	1.11
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	5	1.11
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	4	1.11
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	15	1.11
(1,3033)	1:232:A:ALA:HB2	1:226:A:TYR:HB3	16	1.11
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	4	1.11
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	16	1.11
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD12	4	1.11
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG23	16	1.11
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	11	1.11
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	5	1.11
(1,2811)	1:136:A:LYS:HE2	1:147:A:ASP:HB3	9	1.11
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	13	1.11
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	1	1.11
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	6	1.11
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	12	1.11
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD12	13	1.11
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	5	1.11
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	10	1.11
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	2	1.11
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	11	1.11
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	11	1.11
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	4	1.11
(1,2036)	1:144:A:PRO:HB3	1:177:A:SER:HB2	13	1.11
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	2	1.11
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	4	1.11
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	17	1.11
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	2	1.11
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	18	1.11
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD13	5	1.11
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	8	1.11
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	9	1.11
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	13	1.11
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD12	4	1.11
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD11	5	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD12	8	1.11
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD11	13	1.11
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	7	1.11
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	17	1.11
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	15	1.11
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	18	1.11
(1,1385)	1:224:A:LYS:HD2	1:223:A:GLN:HG3	5	1.11
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	8	1.11
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	17	1.11
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	11	1.11
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	14	1.11
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	11	1.11
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	3	1.11
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	1	1.11
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	4	1.11
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB2	18	1.11
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	13	1.1
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	14	1.1
(1,4259)	1:67:A:LEU:HD21	1:67:A:LEU:HB2	16	1.1
(1,4259)	1:67:A:LEU:HD22	1:67:A:LEU:HB2	20	1.1
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	4	1.1
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	5	1.1
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	13	1.1
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	18	1.1
(1,3780)	1:149:A:LEU:HD13	1:150:A:ARG:HD3	2	1.1
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	15	1.1
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	14	1.1
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	19	1.1
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	7	1.1
(1,2941)	1:83:A:LEU:HD23	1:80:A:PHE:HB3	1	1.1
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	10	1.1
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	16	1.1
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	5	1.1
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	17	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	4	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	5	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	7	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	11	1.1
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	15	1.1
(1,2282)	1:95:A:LYS:HE3	1:83:A:LEU:HB3	17	1.1
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	20	1.1
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	1	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	7	1.1
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	16	1.1
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	18	1.1
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	19	1.1
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	9	1.1
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	19	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	2	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD12	6	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	10	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	14	1.1
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD13	19	1.1
(1,1655)	1:232:A:ALA:HB1	1:201:A:LEU:HD11	6	1.1
(1,1655)	1:232:A:ALA:HB3	1:201:A:LEU:HD11	10	1.1
(1,1617)	1:77:A:VAL:HG13	1:106:A:GLN:HE21	12	1.1
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	13	1.1
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	1	1.1
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	18	1.1
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	7	1.1
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	12	1.1
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG21	17	1.1
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG23	18	1.1
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	1	1.1
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	16	1.1
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	12	1.1
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	13	1.1
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	7	1.1
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	18	1.1
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	19	1.09
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	10	1.09
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	7	1.09
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	18	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	1	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	6	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	7	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	10	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	11	1.09
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	12	1.09
(1,4055)	1:128:A:GLN:HB2	1:97:A:LEU:HD22	13	1.09
(1,4029)	1:128:A:GLN:HB3	1:125:A:GLU:HB2	11	1.09
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	11	1.09
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	7	1.09
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3400)	1:181:A:GLU:HG3	1:180:A:GLN:HG2	2	1.09
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	10	1.09
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	7	1.09
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD13	18	1.09
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	1	1.09
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	6	1.09
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	8	1.09
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	19	1.09
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	8	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	1	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD23	3	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	7	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	8	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	9	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD23	11	1.09
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD23	20	1.09
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	9	1.09
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD13	18	1.09
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	13	1.09
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	4	1.09
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	5	1.09
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	9	1.09
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	17	1.09
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	9	1.09
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	13	1.09
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	8	1.09
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD13	7	1.09
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	11	1.09
(1,1617)	1:77:A:VAL:HG12	1:106:A:GLN:HE21	8	1.09
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	16	1.09
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	6	1.09
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	7	1.09
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	10	1.09
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	13	1.09
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	20	1.09
(1,1243)	1:183:A:ALA:H	1:182:A:GLN:HG3	19	1.09
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	11	1.09
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	2	1.09
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	10	1.09
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	20	1.09
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	19	1.09
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG21	11	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:36:A:THR:HA	1:36:A:THR:HG22	15	1.09
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	10	1.09
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	20	1.09
(1,417)	1:45:A:LEU:HD22	1:60:A:GLN:HA	9	1.09
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	17	1.09
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	1	1.09
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	10	1.09
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	17	1.09
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	10	1.09
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	2	1.08
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	9	1.08
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	8	1.08
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	14	1.08
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	15	1.08
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	8	1.08
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	11	1.08
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	19	1.08
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	12	1.08
(1,3773)	1:221:A:ASP:HB2	1:222:A:TRP:HB2	13	1.08
(1,3601)	1:159:A:LEU:HG	1:155:A:GLN:HG2	13	1.08
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	15	1.08
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	20	1.08
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	8	1.08
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	14	1.08
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD12	5	1.08
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD12	12	1.08
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	9	1.08
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	19	1.08
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	7	1.08
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	16	1.08
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	5	1.08
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	13	1.08
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	4	1.08
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD11	3	1.08
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD12	17	1.08
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	12	1.08
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	6	1.08
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	10	1.08
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	12	1.08
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	20	1.08
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	10	1.08
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	12	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	5	1.08
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	8	1.08
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	9	1.08
(1,1617)	1:77:A:VAL:HG12	1:106:A:GLN:HE21	1	1.08
(1,1617)	1:77:A:VAL:HG12	1:106:A:GLN:HE21	2	1.08
(1,1617)	1:77:A:VAL:HG12	1:106:A:GLN:HE21	5	1.08
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	1	1.08
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	2	1.08
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	12	1.08
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	3	1.08
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	6	1.08
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	8	1.08
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	9	1.08
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	16	1.08
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	18	1.08
(1,1243)	1:183:A:ALA:H	1:182:A:GLN:HG3	15	1.08
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	3	1.08
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	20	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	4	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	7	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	12	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	13	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	16	1.08
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	19	1.08
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	7	1.08
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	16	1.08
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE3	8	1.08
(1,422)	1:168:A:ILE:HD13	1:233:A:LYS:HE3	11	1.08
(1,417)	1:45:A:LEU:HD22	1:60:A:GLN:HA	17	1.08
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	9	1.08
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	7	1.08
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	17	1.08
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	5	1.07
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	15	1.07
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	19	1.07
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	10	1.07
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	15	1.07
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	3	1.07
(1,2941)	1:83:A:LEU:HD23	1:80:A:PHE:HB3	9	1.07
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	12	1.07
(1,2941)	1:83:A:LEU:HD21	1:80:A:PHE:HB3	17	1.07
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	18	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	2	1.07
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	14	1.07
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD13	4	1.07
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	15	1.07
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	6	1.07
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	15	1.07
(1,2576)	1:149:A:LEU:HD11	1:202:A:GLN:HE22	18	1.07
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	16	1.07
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	5	1.07
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	9	1.07
(1,2315)	1:240:A:VAL:HA	1:239:A:LEU:HD12	10	1.07
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	13	1.07
(1,1617)	1:77:A:VAL:HG13	1:106:A:GLN:HE21	10	1.07
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD12	5	1.07
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD13	13	1.07
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD13	19	1.07
(1,1541)	1:79:A:LEU:HD23	1:75:A:GLN:HE22	14	1.07
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	16	1.07
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	10	1.07
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	4	1.07
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	12	1.07
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	14	1.07
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	15	1.07
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	17	1.07
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	6	1.07
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	20	1.07
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	3	1.07
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	6	1.07
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	11	1.07
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	17	1.07
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	1	1.07
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	3	1.07
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	13	1.07
(1,534)	1:204:A:VAL:HG11	1:201:A:LEU:H	4	1.07
(1,534)	1:204:A:VAL:HG12	1:201:A:LEU:H	15	1.07
(1,534)	1:204:A:VAL:HG12	1:201:A:LEU:H	20	1.07
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	8	1.07
(1,475)	1:74:A:GLY:HA2	1:75:A:GLN:HG2	15	1.07
(1,417)	1:45:A:LEU:HD23	1:63:A:ALA:HA	6	1.07
(1,417)	1:45:A:LEU:HD21	1:60:A:GLN:HA	16	1.07
(1,385)	1:112:A:ALA:H	1:114:A:ASN:HB3	14	1.07
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG21	18	1.07
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	7	1.06
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	17	1.06
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	2	1.06
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	6	1.06
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	14	1.06
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	5	1.06
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	18	1.06
(1,3757)	1:152:A:LEU:HD21	1:155:A:GLN:HG3	9	1.06
(1,3757)	1:152:A:LEU:HD21	1:155:A:GLN:HG3	13	1.06
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	13	1.06
(1,3565)	1:84:A:PRO:HD3	1:87:A:LEU:HD21	6	1.06
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	7	1.06
(1,3057)	1:233:A:LYS:HD3	1:230:A:PRO:HB2	9	1.06
(1,3032)	1:232:A:ALA:HB1	1:227:A:PRO:HB2	2	1.06
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	5	1.06
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD13	9	1.06
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD11	14	1.06
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	8	1.06
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	9	1.06
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	10	1.06
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	14	1.06
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	20	1.06
(1,2576)	1:149:A:LEU:HD11	1:202:A:GLN:HE22	3	1.06
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	9	1.06
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	18	1.06
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	6	1.06
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	8	1.06
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	5	1.06
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	1	1.06
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD13	15	1.06
(1,1638)	1:194:A:ILE:HG23	1:228:A:ASN:HD21	15	1.06
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	4	1.06
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	4	1.06
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	8	1.06
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	19	1.06
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	16	1.06
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	6	1.06
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	19	1.06
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	2	1.06
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	5	1.06
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	11	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1369)	1:143:A:ARG:HB2	1:144:A:PRO:HD2	19	1.06
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	1	1.06
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	9	1.06
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	6	1.06
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	10	1.06
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	1	1.06
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	5	1.06
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	14	1.06
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	2	1.06
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	15	1.06
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	19	1.06
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	19	1.06
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	13	1.06
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	1	1.06
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	10	1.06
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	18	1.06
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	6	1.06
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	15	1.06
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	1	1.05
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	16	1.05
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	15	1.05
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	3	1.05
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	1	1.05
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	13	1.05
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG22	11	1.05
(1,2941)	1:83:A:LEU:HD23	1:80:A:PHE:HB3	13	1.05
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD12	2	1.05
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD12	7	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	2	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	12	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	13	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	17	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	18	1.05
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD13	19	1.05
(1,2576)	1:149:A:LEU:HD11	1:202:A:GLN:HE22	2	1.05
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	17	1.05
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	20	1.05
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	13	1.05
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	2	1.05
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	4	1.05
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	10	1.05
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD21	18	1.05
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	18	1.05
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	6	1.05
(1,2217)	1:224:A:LYS:H	1:224:A:LYS:HD2	14	1.05
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG21	9	1.05
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	3	1.05
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	14	1.05
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	15	1.05
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	18	1.05
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	17	1.05
(1,1638)	1:194:A:ILE:HG22	1:228:A:ASN:HD21	7	1.05
(1,1617)	1:77:A:VAL:HG13	1:106:A:GLN:HE21	6	1.05
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	18	1.05
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	20	1.05
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD13	9	1.05
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD12	15	1.05
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	11	1.05
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	13	1.05
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	17	1.05
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	8	1.05
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	9	1.05
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	11	1.05
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	5	1.05
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	13	1.05
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	5	1.05
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	9	1.05
(1,534)	1:204:A:VAL:HG11	1:201:A:LEU:H	14	1.05
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	16	1.05
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	2	1.05
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	9	1.05
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	2	1.05
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	6	1.05
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	8	1.05
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	16	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	3	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	7	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	9	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	10	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	11	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	16	1.05
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	18	1.05
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG21	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5859)	1:209:A:ARG:H	1:209:A:ARG:HE	20	1.04
(1,5776)	1:52:A:SER:H	1:17:A:ARG:HG3	15	1.04
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	7	1.04
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	5	1.04
(1,4204)	1:50:A:GLN:HB3	1:47:A:GLN:HB2	11	1.04
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	8	1.04
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	4	1.04
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	13	1.04
(1,2941)	1:83:A:LEU:HD22	1:80:A:PHE:HB3	5	1.04
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD12	10	1.04
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD13	13	1.04
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	9	1.04
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	18	1.04
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	20	1.04
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	1	1.04
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	3	1.04
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD11	5	1.04
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	7	1.04
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD13	11	1.04
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	5	1.04
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	9	1.04
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	11	1.04
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	14	1.04
(1,2576)	1:149:A:LEU:HD11	1:202:A:GLN:HE22	20	1.04
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	3	1.04
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	7	1.04
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	17	1.04
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD23	14	1.04
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	15	1.04
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	5	1.04
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	19	1.04
(1,1786)	1:196:A:GLN:HB2	1:188:A:ILE:HD11	3	1.04
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	3	1.04
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	9	1.04
(1,1617)	1:77:A:VAL:HG11	1:106:A:GLN:HE21	16	1.04
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD12	1	1.04
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	2	1.04
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD11	11	1.04
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	10	1.04
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	1	1.04
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	6	1.04
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	7	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	15	1.04
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	4	1.04
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	6	1.04
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	7	1.04
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	5	1.04
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	10	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	2	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	5	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	6	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	8	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	12	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	14	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	15	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	19	1.04
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	20	1.04
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG21	1	1.04
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	10	1.03
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	4	1.03
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	16	1.03
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	12	1.03
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	3	1.03
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	12	1.03
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	18	1.03
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	5	1.03
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	1	1.03
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	9	1.03
(1,3939)	1:235:A:LEU:HD22	1:223:A:GLN:HB2	4	1.03
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	5	1.03
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	17	1.03
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE3	10	1.03
(1,3033)	1:232:A:ALA:HB3	1:226:A:TYR:HB3	1	1.03
(1,3033)	1:232:A:ALA:HB1	1:226:A:TYR:HB3	12	1.03
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	12	1.03
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	19	1.03
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	20	1.03
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG21	18	1.03
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	16	1.03
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	4	1.03
(1,2576)	1:149:A:LEU:HD12	1:202:A:GLN:HE22	10	1.03
(1,2576)	1:149:A:LEU:HD11	1:202:A:GLN:HE22	12	1.03
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	15	1.03
(1,2439)	1:202:A:GLN:HG3	1:175:A:LEU:HD22	19	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	11	1.03
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	4	1.03
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	9	1.03
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD11	8	1.03
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	7	1.03
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	16	1.03
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	10	1.03
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	18	1.03
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	16	1.03
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	13	1.03
(1,1065)	1:136:A:LYS:HE3	1:136:A:LYS:HG2	15	1.03
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	5	1.03
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	4	1.03
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	9	1.03
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	15	1.03
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	19	1.03
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	1	1.03
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	4	1.03
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	13	1.03
(1,279)	1:75:A:GLN:HG2	1:75:A:GLN:HE22	17	1.03
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG21	11	1.03
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	1	1.02
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	5	1.02
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	17	1.02
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	19	1.02
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	17	1.02
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	5	1.02
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	9	1.02
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	2	1.02
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	6	1.02
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	15	1.02
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	13	1.02
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	13	1.02
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	14	1.02
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	12	1.02
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	17	1.02
(1,3033)	1:232:A:ALA:HB2	1:226:A:TYR:HB3	14	1.02
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	4	1.02
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD12	1	1.02
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD12	15	1.02
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	10	1.02
(1,2601)	1:136:A:LYS:HG3	1:116:A:LEU:HD12	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	4	1.02
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	8	1.02
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	10	1.02
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	14	1.02
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	2	1.02
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	16	1.02
(1,2263)	1:173:A:GLN:HG2	1:172:A:TRP:HB2	15	1.02
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	17	1.02
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	3	1.02
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	7	1.02
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	13	1.02
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	6	1.02
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	20	1.02
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	10	1.02
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	14	1.02
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	19	1.02
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD12	12	1.02
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	9	1.02
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	12	1.02
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	10	1.02
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	9	1.02
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	20	1.02
(1,384)	1:201:A:LEU:HD22	1:215:A:MET:HG3	1	1.02
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB3	10	1.02
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	17	1.02
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	18	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	6	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	7	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	8	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	9	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	10	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	12	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	13	1.01
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	14	1.01
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	11	1.01
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	20	1.01
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	17	1.01
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	16	1.01
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	19	1.01
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	12	1.01
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	17	1.01
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	20	1.01
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	7	1.01
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	18	1.01
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	8	1.01
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	14	1.01
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	10	1.01
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	3	1.01
(1,2932)	1:83:A:LEU:HD12	1:102:A:ILE:HD12	16	1.01
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD13	19	1.01
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG21	13	1.01
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	17	1.01
(1,2576)	1:149:A:LEU:HD13	1:202:A:GLN:HE22	1	1.01
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	1	1.01
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	14	1.01
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD23	10	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	2	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	5	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	8	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	10	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	11	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	12	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	14	1.01
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	19	1.01
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	16	1.01
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	2	1.01
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	13	1.01
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	3	1.01
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD11	20	1.01
(1,1541)	1:79:A:LEU:HD23	1:75:A:GLN:HE22	18	1.01
(1,1508)	1:216:A:LYS:HG3	1:216:A:LYS:HE2	18	1.01
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	11	1.01
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	19	1.01
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	4	1.01
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	12	1.01
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	20	1.01
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	19	1.01
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	16	1.01
(1,341)	1:154:A:ALA:HB3	1:150:A:ARG:HB3	4	1.01
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	7	1.01
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	16	1.01
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	4	1.0
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	10	1.0
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	12	1.0
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	14	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	2	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	3	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	4	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	11	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	15	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	16	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	17	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	18	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	19	1.0
(1,4712)	1:143:A:ARG:H	1:143:A:ARG:HB3	20	1.0
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	6	1.0
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	8	1.0
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	14	1.0
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	1	1.0
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	11	1.0
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	20	1.0
(1,4104)	1:103:A:LYS:HE3	1:108:A:ASP:HB2	17	1.0
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	17	1.0
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	10	1.0
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	13	1.0
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	19	1.0
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	12	1.0
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	16	1.0
(1,3939)	1:235:A:LEU:HD22	1:223:A:GLN:HB2	6	1.0
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	16	1.0
(1,3633)	1:77:A:VAL:HG23	1:80:A:PHE:HB2	5	1.0
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	18	1.0
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE1	18	1.0
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD13	17	1.0
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD11	20	1.0
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	15	1.0
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	5	1.0
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	11	1.0
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	4	1.0
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	12	1.0
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	6	1.0
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	7	1.0
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	1	1.0
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	4	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	17	1.0
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	20	1.0
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	3	1.0
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	5	1.0
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	4	1.0
(1,1706)	1:119:A:ILE:HG23	1:132:A:TYR:HB3	4	1.0
(1,1706)	1:119:A:ILE:HG21	1:132:A:TYR:HB3	7	1.0
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	16	1.0
(1,1706)	1:119:A:ILE:HG23	1:132:A:TYR:HB3	18	1.0
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	7	1.0
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD13	18	1.0
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	11	1.0
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	13	1.0
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	9	1.0
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	16	1.0
(1,765)	1:203:A:ARG:HA	1:206:A:PHE:HB3	14	1.0
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	13	1.0
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	4	1.0
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	5	1.0
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	18	1.0
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD22	4	1.0
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD22	20	1.0
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	19	1.0
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	2	1.0
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	3	1.0
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	6	1.0
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	19	1.0
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	6	1.0
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	1	0.99
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	13	0.99
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	16	0.99
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	1	0.99
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	2	0.99
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	16	0.99
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	19	0.99
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	10	0.99
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	13	0.99
(1,4098)	1:103:A:LYS:HG3	1:111:A:GLY:HA2	16	0.99
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	8	0.99
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	14	0.99
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	5	0.99
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	2	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	17	0.99
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	3	0.99
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	1	0.99
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	14	0.99
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	5	0.99
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	7	0.99
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	9	0.99
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	19	0.99
(1,3032)	1:232:A:ALA:HB1	1:227:A:PRO:HB2	9	0.99
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	10	0.99
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	17	0.99
(1,2910)	1:199:A:LEU:HD21	1:171:A:THR:HG23	1	0.99
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG21	14	0.99
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	2	0.99
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	13	0.99
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	7	0.99
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	8	0.99
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	13	0.99
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	16	0.99
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD21	15	0.99
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	6	0.99
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	15	0.99
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	16	0.99
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	14	0.99
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	7	0.99
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	19	0.99
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	16	0.99
(1,1706)	1:119:A:ILE:HG21	1:132:A:TYR:HB3	5	0.99
(1,1706)	1:119:A:ILE:HG21	1:132:A:TYR:HB3	8	0.99
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	15	0.99
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	18	0.99
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD11	14	0.99
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	1	0.99
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	7	0.99
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	17	0.99
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	10	0.99
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	20	0.99
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	18	0.99
(1,534)	1:204:A:VAL:HG12	1:201:A:LEU:H	19	0.99
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	9	0.99
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	12	0.99
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE3	19	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	3	0.99
(1,344)	1:57:A:ILE:HD13	1:61:A:LEU:H	12	0.99
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	12	0.99
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	13	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	1	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	2	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	4	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	5	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	7	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	10	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	11	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	12	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	14	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	15	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	16	0.99
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	20	0.99
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG22	19	0.99
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	9	0.98
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	11	0.98
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	12	0.98
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	1	0.98
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	8	0.98
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	14	0.98
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	20	0.98
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	4	0.98
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	6	0.98
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	15	0.98
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	19	0.98
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	6	0.98
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	19	0.98
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	4	0.98
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	6	0.98
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	3	0.98
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	4	0.98
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	7	0.98
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	9	0.98
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	3	0.98
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	19	0.98
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	14	0.98
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	6	0.98
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	12	0.98
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	13	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	6	0.98
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG21	7	0.98
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG23	8	0.98
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	19	0.98
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	15	0.98
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	9	0.98
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	12	0.98
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	9	0.98
(1,2237)	1:180:A:GLN:HG3	1:180:A:GLN:HA	18	0.98
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	8	0.98
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	20	0.98
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	6	0.98
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	17	0.98
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	12	0.98
(1,1601)	1:68:A:VAL:HG22	1:102:A:ILE:HD12	10	0.98
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	19	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	5	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	10	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	13	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	18	0.98
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	20	0.98
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	14	0.98
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	12	0.98
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	20	0.98
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	2	0.98
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	14	0.98
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	12	0.98
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE3	17	0.98
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	15	0.98
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	11	0.98
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	11	0.98
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	8	0.98
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	13	0.98
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	17	0.98
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	3	0.98
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	7	0.97
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	15	0.97
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	18	0.97
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	6	0.97
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	1	0.97
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	4	0.97
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	5	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	18	0.97
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	12	0.97
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	13	0.97
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	11	0.97
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	16	0.97
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	3	0.97
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	15	0.97
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	13	0.97
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	15	0.97
(1,3633)	1:77:A:VAL:HG22	1:80:A:PHE:HB2	1	0.97
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	17	0.97
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	1	0.97
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	9	0.97
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	2	0.97
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	1	0.97
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	3	0.97
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	6	0.97
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	8	0.97
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	12	0.97
(1,3032)	1:232:A:ALA:HB1	1:227:A:PRO:HB2	14	0.97
(1,3032)	1:232:A:ALA:HB1	1:227:A:PRO:HB2	16	0.97
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB2	16	0.97
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD12	3	0.97
(1,2932)	1:83:A:LEU:HD11	1:102:A:ILE:HD11	8	0.97
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG22	2	0.97
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG21	5	0.97
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	12	0.97
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	15	0.97
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	10	0.97
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	6	0.97
(1,2254)	1:238:A:GLN:HB3	1:239:A:LEU:HD22	6	0.97
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	13	0.97
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	16	0.97
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	11	0.97
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	8	0.97
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	14	0.97
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	2	0.97
(1,1801)	1:57:A:ILE:HD11	1:84:A:PRO:HD3	3	0.97
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	4	0.97
(1,1801)	1:57:A:ILE:HD13	1:84:A:PRO:HD3	13	0.97
(1,1801)	1:57:A:ILE:HD11	1:84:A:PRO:HD3	14	0.97
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	6	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	16	0.97
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	17	0.97
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	17	0.97
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	8	0.97
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	13	0.97
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	12	0.97
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	13	0.97
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	10	0.97
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	3	0.97
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	1	0.97
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	20	0.97
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	3	0.97
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	5	0.97
(1,384)	1:201:A:LEU:HD21	1:215:A:MET:HG3	13	0.97
(1,384)	1:201:A:LEU:HD23	1:215:A:MET:HG3	14	0.97
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	15	0.97
(1,344)	1:57:A:ILE:HD13	1:61:A:LEU:H	1	0.97
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	11	0.97
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	2	0.97
(1,341)	1:154:A:ALA:HB3	1:150:A:ARG:HB3	6	0.97
(1,341)	1:154:A:ALA:HB3	1:150:A:ARG:HB3	20	0.97
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	12	0.97
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	18	0.97
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	2	0.96
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	11	0.96
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	4	0.96
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	7	0.96
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	4	0.96
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	5	0.96
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	2	0.96
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	14	0.96
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	13	0.96
(1,4020)	1:136:A:LYS:HD3	1:139:A:ALA:H	1	0.96
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	2	0.96
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	15	0.96
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	11	0.96
(1,3633)	1:77:A:VAL:HG22	1:80:A:PHE:HB2	12	0.96
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	20	0.96
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	11	0.96
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	20	0.96
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE2	3	0.96
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB3	17	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2932)	1:83:A:LEU:HD13	1:102:A:ILE:HD11	11	0.96
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG22	10	0.96
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	3	0.96
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	5	0.96
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	9	0.96
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	16	0.96
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	20	0.96
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	5	0.96
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	6	0.96
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	12	0.96
(1,2443)	1:175:A:LEU:HD21	1:172:A:TRP:HB3	3	0.96
(1,2443)	1:175:A:LEU:HD21	1:172:A:TRP:HB3	20	0.96
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	17	0.96
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	20	0.96
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	9	0.96
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	18	0.96
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	1	0.96
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	7	0.96
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	10	0.96
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	13	0.96
(1,1706)	1:119:A:ILE:HG22	1:132:A:TYR:HB3	3	0.96
(1,1706)	1:119:A:ILE:HG23	1:132:A:TYR:HB3	20	0.96
(1,1601)	1:68:A:VAL:HG23	1:102:A:ILE:HD13	6	0.96
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	3	0.96
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	15	0.96
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	14	0.96
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	3	0.96
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	4	0.96
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	17	0.96
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	5	0.96
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	9	0.96
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	6	0.96
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	9	0.96
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	7	0.96
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	6	0.96
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD13	17	0.96
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	18	0.96
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	13	0.96
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG23	14	0.96
(1,5460)	1:147:A:ASP:H	1:147:A:ASP:HB2	15	0.95
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	5	0.95
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	17	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD23	2	0.95
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	20	0.95
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	7	0.95
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	11	0.95
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	19	0.95
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	4	0.95
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	10	0.95
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	20	0.95
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	2	0.95
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	4	0.95
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	14	0.95
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	15	0.95
(1,3040)	1:49:A:GLN:HG2	1:48:A:MET:HE2	14	0.95
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	8	0.95
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG23	11	0.95
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG22	12	0.95
(1,2910)	1:199:A:LEU:HD21	1:171:A:THR:HG21	15	0.95
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG21	19	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG23	1	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	8	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	10	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	11	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	14	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG23	15	0.95
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	18	0.95
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	17	0.95
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	6	0.95
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	19	0.95
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	3	0.95
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	12	0.95
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	20	0.95
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	11	0.95
(1,2023)	1:113:A:GLN:HG2	1:110:A:ALA:HA	15	0.95
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	3	0.95
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	11	0.95
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	18	0.95
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	6	0.95
(1,1801)	1:57:A:ILE:HD11	1:84:A:PRO:HD3	20	0.95
(1,1706)	1:119:A:ILE:HG21	1:132:A:TYR:HB3	19	0.95
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	5	0.95
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	14	0.95
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	6	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	10	0.95
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	20	0.95
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	1	0.95
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	12	0.95
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	11	0.95
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	1	0.95
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	6	0.95
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	13	0.95
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	3	0.95
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	12	0.95
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	20	0.95
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	3	0.95
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	12	0.95
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	11	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	3	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	4	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	7	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD13	10	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	11	0.95
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	15	0.95
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	2	0.95
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	20	0.95
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	8	0.95
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	2	0.95
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	5	0.95
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	1	0.95
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD22	5	0.95
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD22	13	0.95
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG22	5	0.95
(1,267)	1:123:A:ASP:HB3	1:119:A:ILE:HG22	7	0.95
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	5	0.94
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	17	0.94
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	16	0.94
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	1	0.94
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	8	0.94
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	9	0.94
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	6	0.94
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	6	0.94
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	1	0.94
(1,3675)	1:100:A:VAL:HG12	1:113:A:GLN:HE21	4	0.94
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	10	0.94
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	19	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	18	0.94
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	2	0.94
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	4	0.94
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	15	0.94
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	16	0.94
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	13	0.94
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	16	0.94
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	17	0.94
(1,3121)	1:221:A:ASP:HB2	1:222:A:TRP:HA	18	0.94
(1,2910)	1:199:A:LEU:HD21	1:171:A:THR:HG23	3	0.94
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG22	4	0.94
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD22	19	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	2	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	4	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	6	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG21	7	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	13	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	17	0.94
(1,2847)	1:119:A:ILE:HG13	1:119:A:ILE:HG22	19	0.94
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	1	0.94
(1,2349)	1:158:A:LEU:HD12	1:126:A:GLN:H	10	0.94
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	4	0.94
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	5	0.94
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	15	0.94
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	16	0.94
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	13	0.94
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	16	0.94
(1,1541)	1:79:A:LEU:HD22	1:75:A:GLN:HE22	11	0.94
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	4	0.94
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	4	0.94
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	17	0.94
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	3	0.94
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	4	0.94
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	6	0.94
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	8	0.94
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	20	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	5	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	7	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	9	0.94
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	18	0.94
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	2	0.94
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	6	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	10	0.94
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	13	0.94
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	1	0.94
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	14	0.94
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	2	0.94
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	3	0.94
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	5	0.94
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	8	0.94
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	14	0.94
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	19	0.94
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	14	0.94
(1,344)	1:57:A:ILE:HD13	1:61:A:LEU:H	14	0.94
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	15	0.94
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	3	0.94
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	4	0.94
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD22	14	0.94
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	17	0.94
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	13	0.93
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	19	0.93
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	8	0.93
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	16	0.93
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	13	0.93
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	15	0.93
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	19	0.93
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	7	0.93
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	11	0.93
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	16	0.93
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	10	0.93
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	12	0.93
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	10	0.93
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	12	0.93
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD11	20	0.93
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	7	0.93
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	2	0.93
(1,3675)	1:100:A:VAL:HG12	1:113:A:GLN:HE21	12	0.93
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	4	0.93
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	17	0.93
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	7	0.93
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	18	0.93
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG23	20	0.93
(1,2443)	1:175:A:LEU:HD21	1:172:A:TRP:HB3	14	0.93
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	19	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	2	0.93
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	3	0.93
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	14	0.93
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	15	0.93
(1,1879)	1:88:A:ASN:HB2	1:89:A:ASP:HB3	12	0.93
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	8	0.93
(1,1801)	1:57:A:ILE:HD11	1:84:A:PRO:HD3	12	0.93
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	15	0.93
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	18	0.93
(1,1706)	1:119:A:ILE:HG23	1:132:A:TYR:HB3	1	0.93
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	8	0.93
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	15	0.93
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	2	0.93
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD11	11	0.93
(1,1144)	1:241:A:ASN:HB2	1:209:A:ARG:HG2	8	0.93
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	6	0.93
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	2	0.93
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	7	0.93
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	10	0.93
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	11	0.93
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	17	0.93
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	10	0.93
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	7	0.93
(1,506)	1:129:A:GLN:HB3	1:121:A:PRO:HG2	1	0.93
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD13	2	0.93
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	12	0.93
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD12	13	0.93
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	16	0.93
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	18	0.93
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD22	1	0.93
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	11	0.93
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	2	0.93
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD22	10	0.93
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	12	0.93
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	4	0.92
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	12	0.92
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	14	0.92
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	17	0.92
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	20	0.92
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	5	0.92
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	7	0.92
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	3	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	1	0.92
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	11	0.92
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	5	0.92
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	8	0.92
(1,3633)	1:77:A:VAL:HG23	1:80:A:PHE:HB2	15	0.92
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	8	0.92
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	16	0.92
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	14	0.92
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	11	0.92
(1,3032)	1:232:A:ALA:HB2	1:227:A:PRO:HB2	1	0.92
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	11	0.92
(1,3032)	1:232:A:ALA:HB3	1:227:A:PRO:HB2	15	0.92
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	17	0.92
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	19	0.92
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	16	0.92
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD11	16	0.92
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	18	0.92
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	13	0.92
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	17	0.92
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	20	0.92
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG21	2	0.92
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	7	0.92
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	18	0.92
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	3	0.92
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	4	0.92
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	2	0.92
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	12	0.92
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	10	0.92
(1,1801)	1:57:A:ILE:HD13	1:84:A:PRO:HD3	17	0.92
(1,1801)	1:57:A:ILE:HD13	1:84:A:PRO:HD3	19	0.92
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	1	0.92
(1,1706)	1:119:A:ILE:HG23	1:132:A:TYR:HB3	11	0.92
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	19	0.92
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	1	0.92
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	3	0.92
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	12	0.92
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	7	0.92
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD11	4	0.92
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	15	0.92
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD11	19	0.92
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	3	0.92
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	5	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	20	0.92
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	5	0.92
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	14	0.92
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	20	0.92
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	4	0.92
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	10	0.92
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD22	6	0.92
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	13	0.92
(1,534)	1:204:A:VAL:HG11	1:201:A:LEU:H	6	0.92
(1,534)	1:204:A:VAL:HG13	1:201:A:LEU:H	12	0.92
(1,501)	1:245:A:PHE:HB3	1:243:A:LYS:HD2	18	0.92
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	8	0.92
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	3	0.92
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD22	11	0.92
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	7	0.92
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	9	0.92
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	15	0.92
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	16	0.92
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	19	0.92
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	17	0.92
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	1	0.91
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	2	0.91
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	6	0.91
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	7	0.91
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	11	0.91
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	16	0.91
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	7	0.91
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	2	0.91
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	3	0.91
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	6	0.91
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	10	0.91
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	11	0.91
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	12	0.91
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	20	0.91
(1,4042)	1:61:A:LEU:HD11	1:91:A:GLN:HG3	10	0.91
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	10	0.91
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD11	3	0.91
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	6	0.91
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD22	9	0.91
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	14	0.91
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	11	0.91
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	14	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	16	0.91
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	17	0.91
(1,3675)	1:100:A:VAL:HG12	1:113:A:GLN:HE21	18	0.91
(1,3633)	1:77:A:VAL:HG22	1:80:A:PHE:HB2	4	0.91
(1,3633)	1:77:A:VAL:HG23	1:80:A:PHE:HB2	10	0.91
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	7	0.91
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	9	0.91
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	12	0.91
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	19	0.91
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	5	0.91
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	8	0.91
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	7	0.91
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	13	0.91
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG22	17	0.91
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	5	0.91
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	1	0.91
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	9	0.91
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	19	0.91
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	5	0.91
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	8	0.91
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	9	0.91
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	17	0.91
(1,1801)	1:57:A:ILE:HD11	1:84:A:PRO:HD3	1	0.91
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	11	0.91
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB3	8	0.91
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	9	0.91
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	2	0.91
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	11	0.91
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	5	0.91
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	11	0.91
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	13	0.91
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	19	0.91
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	10	0.91
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	12	0.91
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	14	0.91
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	10	0.91
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	1	0.91
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	8	0.91
(1,826)	1:182:A:GLN:HA	1:182:A:GLN:HG2	18	0.91
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	2	0.91
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	4	0.91
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	5	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	11	0.91
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	12	0.91
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	3	0.91
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	16	0.91
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	2	0.91
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	11	0.91
(1,428)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	1	0.91
(1,344)	1:57:A:ILE:HD12	1:61:A:LEU:H	19	0.91
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	8	0.91
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD23	20	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	1	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	2	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	3	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	4	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	5	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	14	0.91
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	19	0.91
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	18	0.9
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	3	0.9
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	10	0.9
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	15	0.9
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	20	0.9
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	3	0.9
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	8	0.9
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	13	0.9
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	17	0.9
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	4	0.9
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	9	0.9
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	17	0.9
(1,4260)	1:202:A:GLN:HG3	1:175:A:LEU:H	18	0.9
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	20	0.9
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	11	0.9
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	20	0.9
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	1	0.9
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	18	0.9
(1,3675)	1:100:A:VAL:HG13	1:113:A:GLN:HE21	7	0.9
(1,3675)	1:100:A:VAL:HG11	1:113:A:GLN:HE21	9	0.9
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	8	0.9
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	11	0.9
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	2	0.9
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	18	0.9
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	12	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	9	0.9
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	14	0.9
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	12	0.9
(1,2910)	1:199:A:LEU:HD22	1:171:A:THR:HG21	6	0.9
(1,2910)	1:199:A:LEU:HD23	1:171:A:THR:HG21	9	0.9
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	4	0.9
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	11	0.9
(1,2443)	1:175:A:LEU:HD22	1:172:A:TRP:HB3	10	0.9
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	1	0.9
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	10	0.9
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	8	0.9
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	15	0.9
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	10	0.9
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	5	0.9
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	7	0.9
(1,1801)	1:57:A:ILE:HD12	1:84:A:PRO:HD3	9	0.9
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	6	0.9
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	12	0.9
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	13	0.9
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	14	0.9
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	2	0.9
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	3	0.9
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD12	17	0.9
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	2	0.9
(1,689)	1:52:A:SER:HB2	1:53:A:ASP:HB3	7	0.9
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	4	0.9
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	5	0.9
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD23	14	0.9
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	19	0.9
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	7	0.9
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	15	0.9
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	3	0.9
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	4	0.9
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB3	11	0.9
(1,534)	1:204:A:VAL:HG11	1:201:A:LEU:H	17	0.9
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	15	0.9
(1,478)	1:203:A:ARG:HD3	1:175:A:LEU:HD11	9	0.9
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	8	0.9
(1,339)	1:137:A:ILE:HG22	1:140:A:SER:HB2	15	0.9
(1,293)	1:215:A:MET:HG3	1:239:A:LEU:HD21	6	0.9
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	7	0.9
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	10	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	11	0.9
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	15	0.9
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	18	0.9
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	20	0.9
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	6	0.89
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	17	0.89
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	9	0.89
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	8	0.89
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	15	0.89
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	18	0.89
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	3	0.89
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	18	0.89
(1,4204)	1:50:A:GLN:HB3	1:47:A:GLN:HB2	20	0.89
(1,3939)	1:235:A:LEU:HD22	1:223:A:GLN:HB2	3	0.89
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	13	0.89
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	16	0.89
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	20	0.89
(1,3675)	1:100:A:VAL:HG12	1:113:A:GLN:HE21	3	0.89
(1,3633)	1:77:A:VAL:HG22	1:80:A:PHE:HB2	2	0.89
(1,3633)	1:77:A:VAL:HG22	1:80:A:PHE:HB2	9	0.89
(1,3633)	1:77:A:VAL:HG23	1:80:A:PHE:HB2	20	0.89
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	11	0.89
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	15	0.89
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB3	18	0.89
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	19	0.89
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	18	0.89
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	19	0.89
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	4	0.89
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	5	0.89
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	8	0.89
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	12	0.89
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	11	0.89
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	6	0.89
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD12	1	0.89
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	11	0.89
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	10	0.89
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	17	0.89
(1,1950)	1:121:A:PRO:HG2	1:132:A:TYR:HD1	20	0.89
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	1	0.89
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB3	3	0.89
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	5	0.89
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	14	0.89
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB2	2	0.89
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB1	8	0.89
(1,1239)	1:113:A:GLN:HG3	1:116:A:LEU:HD13	20	0.89
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	1	0.89
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	9	0.89
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	12	0.89
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	13	0.89
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	17	0.89
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	5	0.89
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB3	10	0.89
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	12	0.89
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	16	0.89
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	1	0.89
(1,506)	1:230:A:PRO:HG3	1:153:A:ILE:HG13	9	0.89
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD21	1	0.89
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD23	12	0.89
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	6	0.89
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	8	0.89
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	9	0.89
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	13	0.89
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	9	0.88
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	1	0.88
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	3	0.88
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	6	0.88
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	11	0.88
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	12	0.88
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	2	0.88
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	6	0.88
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	11	0.88
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	19	0.88
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	1	0.88
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	1	0.88
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	10	0.88
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	20	0.88
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	15	0.88
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	15	0.88
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	2	0.88
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	11	0.88
(1,3972)	1:78:A:GLU:HG3	1:75:A:GLN:HE22	8	0.88
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	18	0.88
(1,3633)	1:77:A:VAL:HG23	1:80:A:PHE:HB2	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	9	0.88
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	1	0.88
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	16	0.88
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	18	0.88
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	6	0.88
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	1	0.88
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	14	0.88
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	20	0.88
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	9	0.88
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	1	0.88
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	2	0.88
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	3	0.88
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	11	0.88
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	16	0.88
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	20	0.88
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD13	5	0.88
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	19	0.88
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD12	7	0.88
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	8	0.88
(1,2514)	1:84:A:PRO:HD3	1:83:A:LEU:HD13	19	0.88
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	4	0.88
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	12	0.88
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	18	0.88
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG23	3	0.88
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	11	0.88
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	18	0.88
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	6	0.88
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	7	0.88
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	12	0.88
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB1	17	0.88
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	8	0.88
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	10	0.88
(1,1601)	1:68:A:VAL:HG21	1:102:A:ILE:HD13	17	0.88
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	7	0.88
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	16	0.88
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	9	0.88
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	11	0.88
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD21	2	0.88
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	1	0.88
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	14	0.88
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	1	0.88
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	6	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	10	0.88
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	11	0.88
(1,610)	1:150:A:ARG:H	1:195:A:LEU:HD22	15	0.88
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	10	0.88
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	7	0.88
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB3	8	0.88
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	9	0.88
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB3	18	0.88
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	15	0.88
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	1	0.88
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	2	0.88
(1,506)	1:230:A:PRO:HG3	1:153:A:ILE:HG13	8	0.88
(1,344)	1:57:A:ILE:HD12	1:61:A:LEU:H	13	0.88
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	18	0.87
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	19	0.87
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	4	0.87
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	8	0.87
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	10	0.87
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	20	0.87
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	3	0.87
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	20	0.87
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	10	0.87
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	6	0.87
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	16	0.87
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD21	1	0.87
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	4	0.87
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	3	0.87
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	5	0.87
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	10	0.87
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	15	0.87
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	17	0.87
(1,3675)	1:100:A:VAL:HG12	1:113:A:GLN:HE21	6	0.87
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	8	0.87
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	9	0.87
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	6	0.87
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	8	0.87
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	10	0.87
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	20	0.87
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	10	0.87
(1,2371)	1:80:A:PHE:HB3	1:64:A:ILE:HG22	11	0.87
(1,2349)	1:158:A:LEU:HD13	1:126:A:GLN:H	20	0.87
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	13	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	11	0.87
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	19	0.87
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	8	0.87
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB1	1	0.87
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	3	0.87
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	5	0.87
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	7	0.87
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	14	0.87
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	12	0.87
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	9	0.87
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	16	0.87
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	2	0.87
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	9	0.87
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	15	0.87
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD23	20	0.87
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	14	0.87
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD21	8	0.87
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD22	20	0.87
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	17	0.87
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	17	0.87
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	10	0.87
(1,471)	1:205:A:TRP:HA	1:206:A:PHE:HA	18	0.87
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD22	13	0.87
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB3	19	0.87
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	5	0.86
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	7	0.86
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	13	0.86
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	15	0.86
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	16	0.86
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	19	0.86
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	14	0.86
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	4	0.86
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	12	0.86
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	8	0.86
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	14	0.86
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	15	0.86
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	8	0.86
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	11	0.86
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	17	0.86
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	20	0.86
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	16	0.86
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	10	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	3	0.86
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	18	0.86
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	20	0.86
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	6	0.86
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	7	0.86
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	16	0.86
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	1	0.86
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	12	0.86
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	2	0.86
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	4	0.86
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	10	0.86
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	15	0.86
(1,2976)	1:38:A:GLN:H	1:38:A:GLN:HB3	18	0.86
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	4	0.86
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	7	0.86
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	18	0.86
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	3	0.86
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	4	0.86
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD13	13	0.86
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	14	0.86
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD13	19	0.86
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	3	0.86
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	12	0.86
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	14	0.86
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	19	0.86
(1,2646)	1:159:A:LEU:HD13	1:166:A:GLN:HE22	4	0.86
(1,2443)	1:175:A:LEU:HD21	1:172:A:TRP:HB3	11	0.86
(1,2443)	1:175:A:LEU:HD23	1:172:A:TRP:HB3	17	0.86
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	13	0.86
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	8	0.86
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	16	0.86
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	14	0.86
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	19	0.86
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	4	0.86
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	14	0.86
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	19	0.86
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	20	0.86
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	6	0.86
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB2	14	0.86
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	13	0.86
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	10	0.86
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	11	0.86
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	1	0.86
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	6	0.86
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	15	0.86
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	18	0.86
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	11	0.86
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	14	0.86
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	7	0.86
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	13	0.86
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	8	0.86
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	2	0.86
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	7	0.86
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	9	0.86
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	12	0.86
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	14	0.86
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	4	0.86
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	7	0.86
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	9	0.86
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	2	0.86
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	6	0.86
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB1	15	0.86
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB2	20	0.86
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	16	0.86
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	11	0.86
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	17	0.86
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD22	6	0.86
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	9	0.86
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	15	0.86
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	12	0.85
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	17	0.85
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	14	0.85
(1,5519)	1:89:A:ASP:H	1:89:A:ASP:HB3	17	0.85
(1,5519)	1:89:A:ASP:H	1:89:A:ASP:HB3	20	0.85
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	11	0.85
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	15	0.85
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	20	0.85
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB2	19	0.85
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	19	0.85
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	12	0.85
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	12	0.85
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	13	0.85
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	18	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	10	0.85
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD11	12	0.85
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	14	0.85
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD11	18	0.85
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	19	0.85
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	16	0.85
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	2	0.85
(1,3694)	1:37:A:ALA:HB1	1:38:A:GLN:HE21	18	0.85
(1,3633)	1:77:A:VAL:HG21	1:80:A:PHE:HB2	6	0.85
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	10	0.85
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	13	0.85
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	11	0.85
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	15	0.85
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	18	0.85
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	3	0.85
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	16	0.85
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	12	0.85
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	2	0.85
(1,2948)	1:83:A:LEU:HD23	1:98:A:LEU:H	9	0.85
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	17	0.85
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	1	0.85
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	15	0.85
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	5	0.85
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	7	0.85
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	20	0.85
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	6	0.85
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	7	0.85
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	9	0.85
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	7	0.85
(1,2349)	1:158:A:LEU:HD13	1:126:A:GLN:H	12	0.85
(1,2349)	1:158:A:LEU:HD12	1:126:A:GLN:H	17	0.85
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	19	0.85
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	5	0.85
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	5	0.85
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	2	0.85
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	5	0.85
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	13	0.85
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	15	0.85
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	13	0.85
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB3	5	0.85
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB3	11	0.85
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB2	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	12	0.85
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	6	0.85
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	7	0.85
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	10	0.85
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	18	0.85
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	2	0.85
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	4	0.85
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	17	0.85
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	20	0.85
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	19	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	2	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	4	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	5	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	7	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	10	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	12	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	14	0.85
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	20	0.85
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	20	0.85
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	5	0.85
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	15	0.85
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD23	3	0.85
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	14	0.85
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	8	0.85
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	12	0.85
(1,560)	1:219:A:ILE:H	1:220:A:ALA:HB3	19	0.85
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	13	0.85
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	14	0.85
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	2	0.85
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	16	0.85
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	4	0.85
(1,344)	1:57:A:ILE:HD13	1:61:A:LEU:H	20	0.85
(1,228)	1:113:A:GLN:HA	1:136:A:LYS:HD2	16	0.85
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	2	0.84
(1,5519)	1:89:A:ASP:H	1:89:A:ASP:HB3	1	0.84
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	3	0.84
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	7	0.84
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	13	0.84
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	17	0.84
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	16	0.84
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	13	0.84
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3891)	1:62:A:LEU:HD12	1:44:A:TYR:HD2	16	0.84
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	6	0.84
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	7	0.84
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	12	0.84
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD22	13	0.84
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD22	19	0.84
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	10	0.84
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	8	0.84
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	18	0.84
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	15	0.84
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	3	0.84
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	13	0.84
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	11	0.84
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	3	0.84
(1,3358)	1:220:A:ALA:H	1:221:A:ASP:HB3	10	0.84
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	2	0.84
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	4	0.84
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG23	5	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD13	2	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	7	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	8	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	9	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	12	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD12	17	0.84
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	18	0.84
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	9	0.84
(1,2349)	1:158:A:LEU:HD12	1:126:A:GLN:H	15	0.84
(1,2349)	1:158:A:LEU:HD13	1:126:A:GLN:H	18	0.84
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	10	0.84
(1,2275)	1:206:A:PHE:HB3	1:208:A:ASN:H	17	0.84
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	19	0.84
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	11	0.84
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	12	0.84
(1,1802)	1:57:A:ILE:HD13	1:54:A:ASP:HB3	19	0.84
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB3	9	0.84
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB3	15	0.84
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	16	0.84
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	1	0.84
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	2	0.84
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	3	0.84
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	4	0.84
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	9	0.84
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	11	0.84
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	12	0.84
(1,1546)	1:116:A:LEU:HD21	1:116:A:LEU:HB2	13	0.84
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	14	0.84
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	15	0.84
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	16	0.84
(1,1546)	1:116:A:LEU:HD23	1:116:A:LEU:HB2	17	0.84
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	20	0.84
(1,1379)	1:28:A:GLN:HB2	1:31:A:ALA:HB3	1	0.84
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	3	0.84
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	7	0.84
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	15	0.84
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	3	0.84
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	5	0.84
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	7	0.84
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD22	9	0.84
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	17	0.84
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	19	0.84
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	4	0.84
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	8	0.84
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	17	0.84
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	3	0.84
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	4	0.84
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	5	0.84
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	6	0.84
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	18	0.84
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	16	0.84
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	4	0.84
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	19	0.84
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	13	0.84
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	20	0.84
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	1	0.84
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	2	0.84
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	13	0.84
(1,474)	1:39:A:ALA:HA	1:40:A:ASP:HB3	3	0.84
(1,428)	1:39:A:ALA:HB3	1:44:A:TYR:HD1	3	0.84
(1,428)	1:39:A:ALA:HB2	1:44:A:TYR:HD1	6	0.84
(1,428)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	16	0.84
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	5	0.84
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	5	0.84
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5519)	1:89:A:ASP:H	1:89:A:ASP:HB3	6	0.83
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	6	0.83
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	5	0.83
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	18	0.83
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	19	0.83
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	17	0.83
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	12	0.83
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB2	18	0.83
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	8	0.83
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	17	0.83
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	20	0.83
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	2	0.83
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	20	0.83
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	11	0.83
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	2	0.83
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	20	0.83
(1,4243)	1:239:A:LEU:HD13	1:238:A:GLN:HE22	6	0.83
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	1	0.83
(1,3939)	1:235:A:LEU:HD23	1:223:A:GLN:HB2	19	0.83
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	1	0.83
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD21	2	0.83
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	20	0.83
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	17	0.83
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	17	0.83
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	15	0.83
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	20	0.83
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	20	0.83
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	11	0.83
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	14	0.83
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	10	0.83
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	16	0.83
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	9	0.83
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	13	0.83
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	15	0.83
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	6	0.83
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	3	0.83
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	10	0.83
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	16	0.83
(1,2349)	1:158:A:LEU:HD13	1:126:A:GLN:H	3	0.83
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	5	0.83
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	6	0.83
(1,2349)	1:158:A:LEU:HD12	1:126:A:GLN:H	14	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	15	0.83
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	2	0.83
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG22	3	0.83
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	7	0.83
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	1	0.83
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	13	0.83
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	14	0.83
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB2	4	0.83
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	4	0.83
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	15	0.83
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	5	0.83
(1,1546)	1:116:A:LEU:HD22	1:116:A:LEU:HB2	19	0.83
(1,1541)	1:79:A:LEU:HD21	1:75:A:GLN:HE22	8	0.83
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	13	0.83
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	18	0.83
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	20	0.83
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	11	0.83
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	5	0.83
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	6	0.83
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD21	8	0.83
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	18	0.83
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	3	0.83
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD22	7	0.83
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD23	11	0.83
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD13	16	0.83
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD22	19	0.83
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	8	0.83
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	2	0.83
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	6	0.83
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	8	0.83
(1,493)	1:68:A:VAL:HG23	1:98:A:LEU:HA	19	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	3	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	5	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	8	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	12	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	15	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	16	0.83
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	18	0.83
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	8	0.83
(1,428)	1:39:A:ALA:HB1	1:44:A:TYR:HD1	2	0.83
(1,428)	1:39:A:ALA:HB1	1:44:A:TYR:HD1	7	0.83
(1,402)	1:157:A:PRO:HD2	1:159:A:LEU:HD22	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	4	0.83
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD22	6	0.83
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	12	0.83
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	15	0.83
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	1	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	4	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	6	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	9	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	10	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	12	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	16	0.82
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	20	0.82
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	8	0.82
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	9	0.82
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	1	0.82
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	6	0.82
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	17	0.82
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	2	0.82
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	10	0.82
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	20	0.82
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	9	0.82
(1,3939)	1:235:A:LEU:HD21	1:223:A:GLN:HB2	2	0.82
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD11	4	0.82
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	5	0.82
(1,3784)	1:152:A:LEU:HB3	1:152:A:LEU:HD23	4	0.82
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	4	0.82
(1,3757)	1:152:A:LEU:HD21	1:155:A:GLN:HG3	19	0.82
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	10	0.82
(1,3694)	1:37:A:ALA:HB2	1:38:A:GLN:HE21	3	0.82
(1,3694)	1:37:A:ALA:HB2	1:38:A:GLN:HE21	6	0.82
(1,3609)	1:69:A:LYS:HG2	1:65:A:ARG:HD3	2	0.82
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	14	0.82
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	6	0.82
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	17	0.82
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	1	0.82
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	4	0.82
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	10	0.82
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG23	11	0.82
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	17	0.82
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	3	0.82
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	16	0.82
(1,2778)	1:175:A:LEU:HD11	1:171:A:THR:HG22	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	1	0.82
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	8	0.82
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	9	0.82
(1,2349)	1:158:A:LEU:HD12	1:126:A:GLN:H	2	0.82
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	4	0.82
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	11	0.82
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	16	0.82
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	3	0.82
(1,1768)	1:219:A:ILE:HD13	1:243:A:LYS:HE2	6	0.82
(1,1612)	1:159:A:LEU:HD12	1:163:A:GLU:HB3	1	0.82
(1,1300)	1:47:A:GLN:HG2	1:43:A:PHE:HD1	19	0.82
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	1	0.82
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	2	0.82
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	8	0.82
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	12	0.82
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	13	0.82
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	8	0.82
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	3	0.82
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	7	0.82
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	10	0.82
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	17	0.82
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	11	0.82
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	6	0.82
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	7	0.82
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	10	0.82
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	15	0.82
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	18	0.82
(1,610)	1:150:A:ARG:H	1:195:A:LEU:HD21	3	0.82
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	1	0.82
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD23	18	0.82
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	7	0.82
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	14	0.82
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	17	0.82
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	9	0.82
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	19	0.82
(1,428)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	8	0.82
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	16	0.82
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	10	0.82
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	9	0.82
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG23	13	0.82
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	1	0.82
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	5	0.82
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	11	0.82
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	15	0.82
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	17	0.82
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	15	0.81
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	4	0.81
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	12	0.81
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	17	0.81
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	15	0.81
(1,5334)	1:197:A:GLY:H	1:196:A:GLN:HB3	18	0.81
(1,5171)	1:52:A:SER:H	1:51:A:SER:HB2	9	0.81
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	3	0.81
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	5	0.81
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	3	0.81
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	4	0.81
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	10	0.81
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	15	0.81
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	18	0.81
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	12	0.81
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	4	0.81
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	13	0.81
(1,4104)	1:103:A:LYS:HE3	1:108:A:ASP:HB2	16	0.81
(1,4042)	1:61:A:LEU:HD12	1:91:A:GLN:HG3	7	0.81
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	11	0.81
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	6	0.81
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	7	0.81
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	17	0.81
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	5	0.81
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	14	0.81
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	19	0.81
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	12	0.81
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB3	11	0.81
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	6	0.81
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	13	0.81
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG23	14	0.81
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	16	0.81
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	18	0.81
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	16	0.81
(1,2948)	1:83:A:LEU:HD23	1:98:A:LEU:H	13	0.81
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	2	0.81
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD22	6	0.81
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	11	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:175:A:LEU:HD11	1:171:A:THR:HG22	10	0.81
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	9	0.81
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	2	0.81
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	20	0.81
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	5	0.81
(1,2455)	1:175:A:LEU:HD23	1:172:A:TRP:HZ2	11	0.81
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	18	0.81
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	15	0.81
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	16	0.81
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	7	0.81
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	6	0.81
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB3	7	0.81
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB1	10	0.81
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB3	13	0.81
(1,1648)	1:151:A:ALA:HB1	1:154:A:ALA:HB1	19	0.81
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	4	0.81
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	15	0.81
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	17	0.81
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	19	0.81
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	14	0.81
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	1	0.81
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	9	0.81
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	13	0.81
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	19	0.81
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD21	1	0.81
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	19	0.81
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	4	0.81
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	9	0.81
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	4	0.81
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	19	0.81
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	2	0.81
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	6	0.81
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	11	0.81
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	20	0.81
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	10	0.81
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	20	0.81
(1,493)	1:68:A:VAL:HG23	1:98:A:LEU:HA	14	0.81
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	16	0.81
(1,474)	1:39:A:ALA:HA	1:40:A:ASP:HB3	19	0.81
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	20	0.81
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	11	0.81
(1,344)	1:57:A:ILE:HD13	1:61:A:LEU:H	3	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	18	0.81
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	18	0.81
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	4	0.81
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	12	0.81
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	18	0.81
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	11	0.8
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	18	0.8
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	2	0.8
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	7	0.8
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	10	0.8
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	11	0.8
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	2	0.8
(1,5344)	1:122:A:ALA:H	1:121:A:PRO:HG3	8	0.8
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD22	8	0.8
(1,5197)	1:50:A:GLN:H	1:50:A:GLN:HB3	7	0.8
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	5	0.8
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	16	0.8
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	3	0.8
(1,4666)	1:190:A:ALA:H	1:191:A:ASP:HB3	20	0.8
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	7	0.8
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	6	0.8
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	3	0.8
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	7	0.8
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	11	0.8
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	12	0.8
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	19	0.8
(1,4039)	1:61:A:LEU:HD13	1:61:A:LEU:H	6	0.8
(1,3891)	1:62:A:LEU:HD13	1:44:A:TYR:HD2	1	0.8
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE1	3	0.8
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	8	0.8
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	2	0.8
(1,3694)	1:37:A:ALA:HB1	1:38:A:GLN:HE21	10	0.8
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	20	0.8
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	1	0.8
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	7	0.8
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG21	8	0.8
(1,3215)	1:47:A:GLN:HA	1:51:A:SER:HB3	3	0.8
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	12	0.8
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD23	1	0.8
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	15	0.8
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG23	3	0.8
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG21	19	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	5	0.8
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	20	0.8
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	4	0.8
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	2	0.8
(1,2349)	1:158:A:LEU:HD11	1:126:A:GLN:H	1	0.8
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	17	0.8
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG21	10	0.8
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	20	0.8
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	7	0.8
(1,1964)	1:104:A:LEU:HD23	1:138:A:ASP:HB2	1	0.8
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	5	0.8
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	20	0.8
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	15	0.8
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	18	0.8
(1,1757)	1:64:A:ILE:HD12	1:64:A:ILE:H	5	0.8
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	10	0.8
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB3	2	0.8
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB2	6	0.8
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB3	12	0.8
(1,1648)	1:151:A:ALA:HB2	1:154:A:ALA:HB1	18	0.8
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	5	0.8
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	10	0.8
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB2	14	0.8
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	8	0.8
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	11	0.8
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	19	0.8
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	10	0.8
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD21	13	0.8
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	16	0.8
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	12	0.8
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	17	0.8
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	13	0.8
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	6	0.8
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	11	0.8
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	17	0.8
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	1	0.8
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	18	0.8
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	13	0.8
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	16	0.8
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	8	0.8
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	12	0.8
(1,493)	1:68:A:VAL:HG23	1:98:A:LEU:HA	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	4	0.8
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	6	0.8
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	5	0.8
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	17	0.8
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	6	0.8
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	7	0.8
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	9	0.8
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	16	0.8
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	19	0.8
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	4	0.79
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	6	0.79
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	13	0.79
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	14	0.79
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	3	0.79
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	12	0.79
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	18	0.79
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	2	0.79
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD22	20	0.79
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	18	0.79
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	19	0.79
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	7	0.79
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	15	0.79
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	9	0.79
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	5	0.79
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	11	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	1	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	2	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	4	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	5	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	7	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	8	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	12	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	13	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	14	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	16	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	18	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	19	0.79
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	20	0.79
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	15	0.79
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG23	15	0.79
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	19	0.79
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	14	0.79
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	17	0.79
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD22	7	0.79
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	13	0.79
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	1	0.79
(1,3694)	1:37:A:ALA:HB2	1:38:A:GLN:HE21	15	0.79
(1,3694)	1:37:A:ALA:HB1	1:38:A:GLN:HE21	16	0.79
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	13	0.79
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	9	0.79
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	11	0.79
(1,3376)	1:80:A:PHE:HB3	1:102:A:ILE:HG13	5	0.79
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	5	0.79
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	7	0.79
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	8	0.79
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	11	0.79
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	6	0.79
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	20	0.79
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	18	0.79
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	3	0.79
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	19	0.79
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD13	18	0.79
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD12	6	0.79
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG21	6	0.79
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG23	8	0.79
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG21	13	0.79
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG21	14	0.79
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG21	15	0.79
(1,2778)	1:175:A:LEU:HD11	1:171:A:THR:HG22	17	0.79
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	8	0.79
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	2	0.79
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	7	0.79
(1,2455)	1:175:A:LEU:HD23	1:172:A:TRP:HZ2	14	0.79
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	2	0.79
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	3	0.79
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	8	0.79
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	13	0.79
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	16	0.79
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	19	0.79
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	13	0.79
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	1	0.79
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	14	0.79
(1,1648)	1:151:A:ALA:HB3	1:154:A:ALA:HB1	16	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	17	0.79
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	18	0.79
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	8	0.79
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	3	0.79
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	6	0.79
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	17	0.79
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	13	0.79
(1,1069)	1:186:A:LEU:HB2	1:186:A:LEU:HD23	3	0.79
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB2	15	0.79
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	18	0.79
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	9	0.79
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	12	0.79
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	12	0.79
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	16	0.79
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	3	0.79
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	16	0.79
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	17	0.79
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	5	0.79
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD12	17	0.79
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	5	0.79
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	14	0.79
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	19	0.79
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	11	0.79
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	9	0.79
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	13	0.79
(1,490)	1:119:A:ILE:HG13	1:120:A:THR:H	20	0.79
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	18	0.79
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	9	0.79
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD22	9	0.79
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	17	0.79
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD11	2	0.79
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	7	0.79
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	6	0.79
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	7	0.79
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	9	0.79
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	10	0.79
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	11	0.79
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	8	0.79
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	10	0.79
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	13	0.79
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	14	0.79
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	20	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	1	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	3	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	5	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	7	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	9	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	10	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	16	0.78
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	20	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	1	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	5	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	7	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	9	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	10	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	11	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	12	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	15	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	17	0.78
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	18	0.78
(1,5577)	1:17:A:ARG:H	1:17:A:ARG:HB2	18	0.78
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	1	0.78
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	14	0.78
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	20	0.78
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	6	0.78
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	9	0.78
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	4	0.78
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	14	0.78
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	12	0.78
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	14	0.78
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	18	0.78
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	4	0.78
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	1	0.78
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	18	0.78
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	19	0.78
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	15	0.78
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	3	0.78
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	9	0.78
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD12	10	0.78
(1,4210)	1:116:A:LEU:HD22	1:113:A:GLN:HE21	9	0.78
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	16	0.78
(1,4210)	1:116:A:LEU:HD21	1:113:A:GLN:HE21	18	0.78
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD22	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4184)	1:33:A:MET:HB3	1:62:A:LEU:HD22	11	0.78
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	12	0.78
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	8	0.78
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	17	0.78
(1,3891)	1:62:A:LEU:HD13	1:44:A:TYR:HD2	2	0.78
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	1	0.78
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	3	0.78
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	11	0.78
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	20	0.78
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	3	0.78
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	19	0.78
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	11	0.78
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB1	20	0.78
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	19	0.78
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG23	2	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	2	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	3	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	4	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	5	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	7	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	8	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	9	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	14	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	15	0.78
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	16	0.78
(1,3036)	1:96:A:THR:HG23	1:98:A:LEU:H	4	0.78
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	6	0.78
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	7	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	3	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	4	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	5	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	7	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	8	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	9	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	10	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	11	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	14	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	16	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	19	0.78
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	20	0.78
(1,2948)	1:83:A:LEU:HD23	1:98:A:LEU:H	1	0.78
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	20	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD22	20	0.78
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG22	12	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	5	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	6	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	10	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	14	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	17	0.78
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	19	0.78
(1,2706)	1:194:A:ILE:HD11	1:196:A:GLN:HE22	1	0.78
(1,2706)	1:194:A:ILE:HD11	1:196:A:GLN:HE22	2	0.78
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	7	0.78
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	16	0.78
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	1	0.78
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	4	0.78
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	1	0.78
(1,2455)	1:175:A:LEU:HD23	1:172:A:TRP:HZ2	3	0.78
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	6	0.78
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	17	0.78
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	19	0.78
(1,2455)	1:175:A:LEU:HD23	1:172:A:TRP:HZ2	20	0.78
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	8	0.78
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	14	0.78
(1,2343)	1:199:A:LEU:HD21	1:197:A:GLY:H	1	0.78
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	10	0.78
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	19	0.78
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	8	0.78
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	9	0.78
(1,1964)	1:104:A:LEU:HD23	1:138:A:ASP:HB2	11	0.78
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	17	0.78
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	1	0.78
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	4	0.78
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	10	0.78
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	13	0.78
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	18	0.78
(1,1768)	1:219:A:ILE:HD12	1:243:A:LYS:HE2	2	0.78
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	2	0.78
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	4	0.78
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	9	0.78
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	12	0.78
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	2	0.78
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	2	0.78
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	3	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	20	0.78
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	16	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	1	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB2	6	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	18	0.78
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB2	20	0.78
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG21	11	0.78
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG21	19	0.78
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	6	0.78
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	9	0.78
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	15	0.78
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	1	0.78
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	7	0.78
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	8	0.78
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	13	0.78
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	17	0.78
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	18	0.78
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	20	0.78
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	6	0.78
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	2	0.78
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	20	0.78
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	1	0.78
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	10	0.78
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	12	0.78
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	4	0.78
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	2	0.78
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	10	0.78
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	5	0.78
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	8	0.78
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	19	0.78
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB3	17	0.78
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	17	0.78
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	1	0.78
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	4	0.78
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	7	0.78
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	17	0.78
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	3	0.78
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	4	0.78
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	5	0.78
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	13	0.78
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	19	0.78
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG22	19	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5835)	1:205:A:TRP:HE1	1:209:A:ARG:HG2	10	0.77
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	5	0.77
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	10	0.77
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	2	0.77
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	8	0.77
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	15	0.77
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	17	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	2	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	4	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	6	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	8	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	13	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	14	0.77
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	20	0.77
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG11	13	0.77
(1,5513)	1:213:A:ASP:H	1:213:A:ASP:HB2	17	0.77
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	5	0.77
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	18	0.77
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	12	0.77
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	12	0.77
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD22	18	0.77
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	10	0.77
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	13	0.77
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	5	0.77
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB2	11	0.77
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	10	0.77
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	16	0.77
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	19	0.77
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	2	0.77
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	8	0.77
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	11	0.77
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	18	0.77
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	12	0.77
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	5	0.77
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	9	0.77
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	9	0.77
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	6	0.77
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	10	0.77
(1,4243)	1:239:A:LEU:HD12	1:238:A:GLN:HE22	10	0.77
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	6	0.77
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	7	0.77
(1,4039)	1:61:A:LEU:HD13	1:61:A:LEU:H	16	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	11	0.77
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	5	0.77
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	7	0.77
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	17	0.77
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	12	0.77
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	2	0.77
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	4	0.77
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	7	0.77
(1,3756)	1:152:A:LEU:HD23	1:149:A:LEU:HB2	13	0.77
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	15	0.77
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	16	0.77
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	8	0.77
(1,3624)	1:175:A:LEU:HD13	1:178:A:MET:HG3	17	0.77
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	5	0.77
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB3	4	0.77
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	6	0.77
(1,3343)	1:116:A:LEU:HB3	1:100:A:VAL:HG22	19	0.77
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	14	0.77
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	19	0.77
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	11	0.77
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	13	0.77
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	17	0.77
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	19	0.77
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	16	0.77
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	1	0.77
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	2	0.77
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	13	0.77
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	15	0.77
(1,2985)	1:95:A:LYS:HD2	1:95:A:LYS:HB3	17	0.77
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	2	0.77
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	4	0.77
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	5	0.77
(1,2948)	1:83:A:LEU:HD21	1:98:A:LEU:H	15	0.77
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	18	0.77
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG23	1	0.77
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG22	4	0.77
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG21	7	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	1	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	2	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	3	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	4	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	7	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	11	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	15	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	16	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	18	0.77
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	20	0.77
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	3	0.77
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	4	0.77
(1,2706)	1:194:A:ILE:HD11	1:196:A:GLN:HE22	17	0.77
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	12	0.77
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	5	0.77
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	12	0.77
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	13	0.77
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	4	0.77
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	11	0.77
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	12	0.77
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	13	0.77
(1,2322)	1:47:A:GLN:HG3	1:59:A:TRP:HD1	19	0.77
(1,1964)	1:104:A:LEU:HD23	1:138:A:ASP:HB2	6	0.77
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	7	0.77
(1,1964)	1:104:A:LEU:HD23	1:138:A:ASP:HB2	10	0.77
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	12	0.77
(1,1964)	1:104:A:LEU:HD22	1:138:A:ASP:HB2	15	0.77
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	18	0.77
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	3	0.77
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	6	0.77
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	8	0.77
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	9	0.77
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	20	0.77
(1,1757)	1:64:A:ILE:HD12	1:64:A:ILE:H	7	0.77
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	8	0.77
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	15	0.77
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	1	0.77
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	2	0.77
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	3	0.77
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	7	0.77
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	8	0.77
(1,1738)	1:153:A:ILE:HG23	1:153:A:ILE:HG13	10	0.77
(1,1738)	1:153:A:ILE:HG23	1:153:A:ILE:HG13	15	0.77
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	16	0.77
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	17	0.77
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	18	0.77
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	20	0.77
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	15	0.77
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	16	0.77
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	17	0.77
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	1	0.77
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	9	0.77
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	5	0.77
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	3	0.77
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB2	2	0.77
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	7	0.77
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	12	0.77
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	20	0.77
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	10	0.77
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	15	0.77
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	20	0.77
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	5	0.77
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	1	0.77
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	5	0.77
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	7	0.77
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	8	0.77
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	11	0.77
(1,646)	1:201:A:LEU:H	1:175:A:LEU:HD21	18	0.77
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	1	0.77
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	2	0.77
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	12	0.77
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	1	0.77
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	15	0.77
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	18	0.77
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	18	0.77
(1,530)	1:129:A:GLN:HG3	1:122:A:ALA:HA	11	0.77
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	14	0.77
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	2	0.77
(1,468)	1:51:A:SER:HB3	1:56:A:ARG:HD3	3	0.77
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	14	0.77
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	10	0.77
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD12	13	0.77
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	18	0.77
(1,344)	1:57:A:ILE:HD11	1:61:A:LEU:H	5	0.77
(1,344)	1:57:A:ILE:HD12	1:61:A:LEU:H	17	0.77
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB3	14	0.77
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB1	11	0.77
(1,272)	1:245:A:PHE:HB3	1:245:A:PHE:HE1	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	3	0.77
(1,230)	1:136:A:LYS:HA	1:116:A:LEU:HG	6	0.77
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	2	0.76
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	6	0.76
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	12	0.76
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	16	0.76
(1,5591)	1:117:A:ALA:H	1:116:A:LEU:HB3	19	0.76
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	8	0.76
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	1	0.76
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	9	0.76
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	15	0.76
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	17	0.76
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	17	0.76
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	6	0.76
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	19	0.76
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	11	0.76
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	15	0.76
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	17	0.76
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	11	0.76
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	17	0.76
(1,4210)	1:116:A:LEU:HD23	1:113:A:GLN:HE21	5	0.76
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	12	0.76
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	10	0.76
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	6	0.76
(1,3756)	1:152:A:LEU:HD23	1:149:A:LEU:HB2	19	0.76
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	11	0.76
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	9	0.76
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	16	0.76
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	14	0.76
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	3	0.76
(1,3357)	1:221:A:ASP:HB3	1:219:A:ILE:H	10	0.76
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG21	8	0.76
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	3	0.76
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	1	0.76
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	12	0.76
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	18	0.76
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	18	0.76
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	5	0.76
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	14	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	3	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	10	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	13	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	15	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	17	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	18	0.76
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	20	0.76
(1,2948)	1:83:A:LEU:HD22	1:98:A:LEU:H	6	0.76
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG21	5	0.76
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG23	11	0.76
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	12	0.76
(1,2732)	1:212:A:PRO:HG3	1:212:A:PRO:HB2	13	0.76
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	10	0.76
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	11	0.76
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	18	0.76
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	10	0.76
(1,2455)	1:175:A:LEU:HD21	1:172:A:TRP:HZ2	16	0.76
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	6	0.76
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	20	0.76
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	10	0.76
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	4	0.76
(1,1964)	1:104:A:LEU:HD21	1:138:A:ASP:HB2	14	0.76
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	7	0.76
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	14	0.76
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	16	0.76
(1,1757)	1:64:A:ILE:HD12	1:64:A:ILE:H	10	0.76
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	20	0.76
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	4	0.76
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	11	0.76
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	12	0.76
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	6	0.76
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	8	0.76
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD11	4	0.76
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	11	0.76
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	3	0.76
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	6	0.76
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	8	0.76
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	2	0.76
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	11	0.76
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	12	0.76
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	13	0.76
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	3	0.76
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	13	0.76
(1,1232)	1:113:A:GLN:HG2	1:112:A:ALA:H	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	7	0.76
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	18	0.76
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	13	0.76
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	14	0.76
(1,1026)	1:203:A:ARG:HD2	1:184:A:ASN:HD21	15	0.76
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	3	0.76
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	6	0.76
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB2	8	0.76
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD22	7	0.76
(1,955)	1:144:A:PRO:HD2	1:148:A:LEU:HD23	16	0.76
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	3	0.76
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	7	0.76
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	8	0.76
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB2	12	0.76
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	10	0.76
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	9	0.76
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	8	0.76
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	13	0.76
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	19	0.76
(1,610)	1:150:A:ARG:H	1:146:A:ILE:HD11	6	0.76
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	6	0.76
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	6	0.76
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	13	0.76
(1,495)	1:242:A:VAL:HG12	1:244:A:ALA:H	8	0.76
(1,493)	1:68:A:VAL:HG23	1:98:A:LEU:HA	1	0.76
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	10	0.76
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	10	0.76
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD3	3	0.76
(1,428)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	10	0.76
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	15	0.76
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD21	18	0.76
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD11	3	0.76
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD12	4	0.76
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD11	7	0.76
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB3	20	0.76
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	13	0.76
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	12	0.76
(1,5573)	1:181:A:GLU:H	1:180:A:GLN:HB3	9	0.75
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	2	0.75
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	1	0.75
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB3	6	0.75
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	10	0.75
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	17	0.75
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	4	0.75
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	10	0.75
(1,5118)	1:113:A:GLN:H	1:114:A:ASN:HB3	14	0.75
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	3	0.75
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	5	0.75
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	10	0.75
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	14	0.75
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	12	0.75
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	17	0.75
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	4	0.75
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	6	0.75
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	9	0.75
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	7	0.75
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	8	0.75
(1,4666)	1:190:A:ALA:H	1:191:A:ASP:HB3	7	0.75
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	4	0.75
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	12	0.75
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	7	0.75
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	3	0.75
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	5	0.75
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	10	0.75
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	6	0.75
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	19	0.75
(1,4321)	1:146:A:ILE:HD13	1:150:A:ARG:HD3	7	0.75
(1,4243)	1:239:A:LEU:HD12	1:238:A:GLN:HE22	17	0.75
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	9	0.75
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD12	17	0.75
(1,4218)	1:137:A:ILE:HD13	1:133:A:TRP:HZ3	4	0.75
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	20	0.75
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	2	0.75
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	20	0.75
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	1	0.75
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	9	0.75
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	9	0.75
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	5	0.75
(1,3780)	1:149:A:LEU:HD13	1:150:A:ARG:HD3	20	0.75
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	5	0.75
(1,3756)	1:152:A:LEU:HD23	1:149:A:LEU:HB2	9	0.75
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	14	0.75
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG23	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG23	5	0.75
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	5	0.75
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	7	0.75
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	11	0.75
(1,3598)	1:152:A:LEU:HD22	1:153:A:ILE:HB	18	0.75
(1,3576)	1:104:A:LEU:HD11	1:100:A:VAL:HA	16	0.75
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	20	0.75
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	5	0.75
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	8	0.75
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	10	0.75
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	12	0.75
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	16	0.75
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	18	0.75
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	8	0.75
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	16	0.75
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	18	0.75
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB1	7	0.75
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	4	0.75
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	13	0.75
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	1	0.75
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	2	0.75
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	8	0.75
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	9	0.75
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	11	0.75
(1,3036)	1:96:A:THR:HG23	1:98:A:LEU:H	15	0.75
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	17	0.75
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	19	0.75
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	11	0.75
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	12	0.75
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	1	0.75
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	5	0.75
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	7	0.75
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	11	0.75
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	14	0.75
(1,2948)	1:83:A:LEU:HD23	1:98:A:LEU:H	11	0.75
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD12	4	0.75
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG23	16	0.75
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	15	0.75
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	18	0.75
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	14	0.75
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	16	0.75
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	20	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	5	0.75
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	3	0.75
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	4	0.75
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	6	0.75
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	17	0.75
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	2	0.75
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	20	0.75
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	5	0.75
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	12	0.75
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	18	0.75
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	2	0.75
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	12	0.75
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	16	0.75
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	17	0.75
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	14	0.75
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	16	0.75
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	17	0.75
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	18	0.75
(1,1738)	1:153:A:ILE:HG21	1:153:A:ILE:HG13	13	0.75
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	11	0.75
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	5	0.75
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD12	5	0.75
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD12	9	0.75
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD12	18	0.75
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	20	0.75
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	7	0.75
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	14	0.75
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB3	7	0.75
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB1	16	0.75
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	5	0.75
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	9	0.75
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	10	0.75
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	15	0.75
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	18	0.75
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	7	0.75
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	14	0.75
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	1	0.75
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB2	11	0.75
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	19	0.75
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	20	0.75
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	2	0.75
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	9	0.75
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	17	0.75
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	20	0.75
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	5	0.75
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	19	0.75
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	2	0.75
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	18	0.75
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	20	0.75
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	9	0.75
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	20	0.75
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	3	0.75
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	7	0.75
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	11	0.75
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	11	0.75
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	1	0.75
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	17	0.75
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	20	0.75
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	15	0.75
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	7	0.75
(1,376)	1:95:A:LYS:HE2	1:83:A:LEU:HD23	8	0.75
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD11	1	0.75
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	17	0.75
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB3	16	0.75
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	15	0.75
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	16	0.75
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB1	8	0.75
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	14	0.75
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	20	0.75
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	8	0.75
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	1	0.75
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	17	0.75
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG21	2	0.75
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD21	2	0.74
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	15	0.74
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	1	0.74
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	7	0.74
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	18	0.74
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	1	0.74
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	2	0.74
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	4	0.74
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	9	0.74
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	6	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	9	0.74
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	7	0.74
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	11	0.74
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	15	0.74
(1,4648)	1:222:A:TRP:H	1:225:A:ARG:HG2	4	0.74
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	20	0.74
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	15	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	8	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	14	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	17	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	18	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	19	0.74
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	20	0.74
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	3	0.74
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	7	0.74
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	2	0.74
(1,4321)	1:146:A:ILE:HD11	1:150:A:ARG:HD3	6	0.74
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	2	0.74
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	3	0.74
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG23	17	0.74
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	1	0.74
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	9	0.74
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	12	0.74
(1,3922)	1:223:A:GLN:HB3	1:232:A:ALA:H	16	0.74
(1,3891)	1:62:A:LEU:HD12	1:44:A:TYR:HD2	6	0.74
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	11	0.74
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	11	0.74
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	4	0.74
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	8	0.74
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	17	0.74
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	6	0.74
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	13	0.74
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	19	0.74
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	10	0.74
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	20	0.74
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	6	0.74
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG21	12	0.74
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	12	0.74
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	15	0.74
(1,3624)	1:175:A:LEU:HD13	1:178:A:MET:HG3	18	0.74
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	19	0.74
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	4	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	4	0.74
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	4	0.74
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	9	0.74
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	12	0.74
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	7	0.74
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG21	4	0.74
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG22	15	0.74
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	3	0.74
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	10	0.74
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	14	0.74
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	18	0.74
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	1	0.74
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	16	0.74
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	8	0.74
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	9	0.74
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	19	0.74
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD12	7	0.74
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD12	12	0.74
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	11	0.74
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	17	0.74
(1,2778)	1:175:A:LEU:HD12	1:171:A:THR:HG21	9	0.74
(1,2706)	1:194:A:ILE:HD12	1:196:A:GLN:HE22	16	0.74
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	3	0.74
(1,2646)	1:159:A:LEU:HD12	1:166:A:GLN:HE22	15	0.74
(1,2532)	1:148:A:LEU:H	1:147:A:ASP:HB2	15	0.74
(1,2455)	1:175:A:LEU:HD22	1:172:A:TRP:HZ2	15	0.74
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	2	0.74
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	14	0.74
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	2	0.74
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	9	0.74
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	12	0.74
(1,2256)	1:239:A:LEU:HD22	1:243:A:LYS:H	13	0.74
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	16	0.74
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	18	0.74
(1,2017)	1:57:A:ILE:HG21	1:53:A:ASP:HB3	8	0.74
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	13	0.74
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	5	0.74
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	11	0.74
(1,1913)	1:75:A:GLN:HA	1:75:A:GLN:HG3	19	0.74
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	6	0.74
(1,1757)	1:64:A:ILE:HD12	1:64:A:ILE:H	1	0.74
(1,1757)	1:64:A:ILE:HD13	1:64:A:ILE:H	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1757)	1:64:A:ILE:HD12	1:64:A:ILE:H	19	0.74
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	5	0.74
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	4	0.74
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	7	0.74
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	11	0.74
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	12	0.74
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	13	0.74
(1,1703)	1:119:A:ILE:HG22	1:124:A:LEU:H	18	0.74
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	9	0.74
(1,1319)	1:136:A:LYS:HB3	1:154:A:ALA:HB2	4	0.74
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	14	0.74
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	1	0.74
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	19	0.74
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	11	0.74
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	10	0.74
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	13	0.74
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	16	0.74
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	11	0.74
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	13	0.74
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB2	15	0.74
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB3	16	0.74
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	19	0.74
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	15	0.74
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	10	0.74
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	17	0.74
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	6	0.74
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	15	0.74
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	9	0.74
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	4	0.74
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	5	0.74
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	7	0.74
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD23	19	0.74
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	20	0.74
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	3	0.74
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	20	0.74
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	7	0.74
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	4	0.74
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG22	9	0.74
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	2	0.74
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	20	0.74
(1,341)	1:154:A:ALA:HB2	1:150:A:ARG:HB3	1	0.74
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	10	0.74
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	8	0.74
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	2	0.74
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	9	0.74
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	9	0.74
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	20	0.74
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	12	0.73
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	13	0.73
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	16	0.73
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	19	0.73
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	16	0.73
(1,5596)	1:214:A:MET:H	1:214:A:MET:HB2	19	0.73
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG11	4	0.73
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	9	0.73
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	10	0.73
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	14	0.73
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	16	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	3	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	5	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB3	14	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB3	16	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	19	0.73
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	20	0.73
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD22	5	0.73
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	7	0.73
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	11	0.73
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD22	19	0.73
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	14	0.73
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	16	0.73
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	1	0.73
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	3	0.73
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	6	0.73
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	11	0.73
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	13	0.73
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	18	0.73
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	7	0.73
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	5	0.73
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	13	0.73
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	17	0.73
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	20	0.73
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	1	0.73
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	13	0.73
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	14	0.73
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	19	0.73
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	16	0.73
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	12	0.73
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	1	0.73
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	9	0.73
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	13	0.73
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	15	0.73
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	10	0.73
(1,4368)	1:132:A:TYR:HE1	1:121:A:PRO:HD2	14	0.73
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	6	0.73
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	14	0.73
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	6	0.73
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	6	0.73
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	9	0.73
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	18	0.73
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	20	0.73
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD12	11	0.73
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	5	0.73
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	7	0.73
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	12	0.73
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	15	0.73
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	20	0.73
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	14	0.73
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	4	0.73
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	9	0.73
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	1	0.73
(1,3756)	1:152:A:LEU:HD21	1:149:A:LEU:HB2	18	0.73
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE2	12	0.73
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	1	0.73
(1,3624)	1:175:A:LEU:HD13	1:178:A:MET:HG3	10	0.73
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	13	0.73
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	16	0.73
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	8	0.73
(1,3576)	1:104:A:LEU:HD11	1:100:A:VAL:HA	11	0.73
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	18	0.73
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	2	0.73
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	10	0.73
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	15	0.73
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	19	0.73
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	5	0.73
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG21	1	0.73
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG21	2	0.73
(1,3149)	1:216:A:LYS:HG2	1:216:A:LYS:HA	10	0.73
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	5	0.73
(1,3036)	1:96:A:THR:HG23	1:98:A:LEU:H	7	0.73
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	13	0.73
(1,3036)	1:96:A:THR:HG21	1:98:A:LEU:H	20	0.73
(1,3023)	1:174:A:ALA:HB2	1:172:A:TRP:H	12	0.73
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	1	0.73
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	8	0.73
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	15	0.73
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	6	0.73
(1,2981)	1:113:A:GLN:HG2	1:114:A:ASN:H	16	0.73
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD13	6	0.73
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD12	10	0.73
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD13	13	0.73
(1,2929)	1:83:A:LEU:HB3	1:83:A:LEU:HD11	6	0.73
(1,2778)	1:175:A:LEU:HD11	1:171:A:THR:HG21	18	0.73
(1,2706)	1:194:A:ILE:HD11	1:196:A:GLN:HE22	13	0.73
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	10	0.73
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	11	0.73
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	13	0.73
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	11	0.73
(1,2392)	1:112:A:ALA:H	1:108:A:ASP:HB2	19	0.73
(1,2343)	1:199:A:LEU:HD21	1:197:A:GLY:H	3	0.73
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	7	0.73
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	1	0.73
(1,2256)	1:239:A:LEU:HD22	1:243:A:LYS:H	5	0.73
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	7	0.73
(1,2256)	1:239:A:LEU:HD22	1:243:A:LYS:H	10	0.73
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	16	0.73
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	10	0.73
(1,2017)	1:57:A:ILE:HG21	1:53:A:ASP:HB3	15	0.73
(1,1979)	1:87:A:LEU:HD12	1:84:A:PRO:HD3	4	0.73
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	9	0.73
(1,1738)	1:153:A:ILE:HG22	1:153:A:ILE:HG13	9	0.73
(1,1738)	1:153:A:ILE:HG23	1:153:A:ILE:HG13	14	0.73
(1,1703)	1:119:A:ILE:HG23	1:124:A:LEU:H	19	0.73
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD11	12	0.73
(1,1664)	1:99:A:ALA:HB3	1:102:A:ILE:HD12	13	0.73
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG23	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	3	0.73
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	15	0.73
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	2	0.73
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	12	0.73
(1,1184)	1:181:A:GLU:HG2	1:184:A:ASN:HD22	3	0.73
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	2	0.73
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	8	0.73
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	16	0.73
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	17	0.73
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	10	0.73
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	16	0.73
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	18	0.73
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB2	4	0.73
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	5	0.73
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB3	9	0.73
(1,974)	1:111:A:GLY:HA3	1:110:A:ALA:HB1	14	0.73
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB2	6	0.73
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB1	10	0.73
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB2	14	0.73
(1,802)	1:173:A:GLN:HA	1:174:A:ALA:HB2	18	0.73
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	1	0.73
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	2	0.73
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	8	0.73
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	10	0.73
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	14	0.73
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	12	0.73
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	11	0.73
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	14	0.73
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	19	0.73
(1,624)	1:174:A:ALA:H	1:175:A:LEU:HB2	8	0.73
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	9	0.73
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	10	0.73
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	12	0.73
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	4	0.73
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	8	0.73
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	15	0.73
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	20	0.73
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	9	0.73
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	14	0.73
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	20	0.73
(1,428)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	15	0.73
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	13	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	13	0.73
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	7	0.73
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD2	11	0.73
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	4	0.73
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	5	0.73
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB1	3	0.73
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB1	5	0.73
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	3	0.73
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	15	0.73
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	8	0.73
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	11	0.73
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	13	0.73
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	15	0.73
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	3	0.72
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	9	0.72
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	14	0.72
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	5	0.72
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG11	7	0.72
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	13	0.72
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	4	0.72
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB1	8	0.72
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	11	0.72
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	13	0.72
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB2	15	0.72
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	15	0.72
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	3	0.72
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	15	0.72
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	17	0.72
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	12	0.72
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	17	0.72
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	20	0.72
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	9	0.72
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	16	0.72
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	17	0.72
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	16	0.72
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	17	0.72
(1,4321)	1:146:A:ILE:HD13	1:150:A:ARG:HD3	11	0.72
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	14	0.72
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	4	0.72
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	9	0.72
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	8	0.72
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	9	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	3	0.72
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	10	0.72
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG23	20	0.72
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	17	0.72
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	10	0.72
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG12	17	0.72
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD13	12	0.72
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD11	13	0.72
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD13	4	0.72
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD13	8	0.72
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	1	0.72
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	2	0.72
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	3	0.72
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	9	0.72
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	11	0.72
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	19	0.72
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	1	0.72
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	4	0.72
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	15	0.72
(1,3757)	1:152:A:LEU:HD23	1:155:A:GLN:HG3	12	0.72
(1,3756)	1:152:A:LEU:HD22	1:149:A:LEU:HB2	12	0.72
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	1	0.72
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	3	0.72
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	13	0.72
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	15	0.72
(1,3624)	1:175:A:LEU:HD13	1:178:A:MET:HG3	2	0.72
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	3	0.72
(1,3624)	1:175:A:LEU:HD11	1:178:A:MET:HG3	14	0.72
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	20	0.72
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	12	0.72
(1,3576)	1:104:A:LEU:HD11	1:100:A:VAL:HA	10	0.72
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	3	0.72
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	15	0.72
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	6	0.72
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	7	0.72
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	17	0.72
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	8	0.72
(1,3326)	1:51:A:SER:HB2	1:56:A:ARG:HD2	9	0.72
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG22	10	0.72
(1,3036)	1:96:A:THR:HG23	1:98:A:LEU:H	6	0.72
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	2	0.72
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	8	0.72
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	9	0.72
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	16	0.72
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD13	9	0.72
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD13	17	0.72
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	5	0.72
(1,2778)	1:175:A:LEU:HD13	1:171:A:THR:HG23	20	0.72
(1,2777)	1:97:A:LEU:HD11	1:135:A:ALA:HB1	2	0.72
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	8	0.72
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	7	0.72
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	18	0.72
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	11	0.72
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	14	0.72
(1,2343)	1:199:A:LEU:HD21	1:197:A:GLY:H	15	0.72
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	8	0.72
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG21	7	0.72
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD13	14	0.72
(1,1757)	1:64:A:ILE:HD11	1:64:A:ILE:H	3	0.72
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD12	2	0.72
(1,1664)	1:99:A:ALA:HB3	1:102:A:ILE:HD12	6	0.72
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	1	0.72
(1,1531)	1:116:A:LEU:HD13	1:136:A:LYS:HE3	4	0.72
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	6	0.72
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	8	0.72
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	13	0.72
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	14	0.72
(1,1531)	1:116:A:LEU:HD13	1:136:A:LYS:HE3	19	0.72
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	16	0.72
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	14	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	3	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	4	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	6	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	11	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	12	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	18	0.72
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	20	0.72
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	3	0.72
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	6	0.72
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD22	8	0.72
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	11	0.72
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	17	0.72
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG13	7	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	2	0.72
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	8	0.72
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	19	0.72
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	16	0.72
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	4	0.72
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	5	0.72
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD13	15	0.72
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	5	0.72
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	19	0.72
(1,495)	1:242:A:VAL:HG12	1:244:A:ALA:H	19	0.72
(1,493)	1:68:A:VAL:HG22	1:98:A:LEU:HA	7	0.72
(1,428)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	13	0.72
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	3	0.72
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	19	0.72
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	20	0.72
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	9	0.72
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	12	0.72
(1,371)	1:243:A:LYS:HE3	1:243:A:LYS:HD3	8	0.72
(1,352)	1:223:A:GLN:HA	1:225:A:ARG:HG3	11	0.72
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	13	0.72
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	18	0.72
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	13	0.72
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	5	0.72
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	2	0.72
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	4	0.72
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	5	0.72
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	6	0.72
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	12	0.72
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD21	1	0.71
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	11	0.71
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	1	0.71
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	13	0.71
(1,5236)	1:107:A:LYS:H	1:105:A:ALA:HB3	2	0.71
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	17	0.71
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	6	0.71
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	7	0.71
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	8	0.71
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	16	0.71
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	19	0.71
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	3	0.71
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	2	0.71
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB1	8	0.71
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	6	0.71
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	8	0.71
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	8	0.71
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	13	0.71
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	8	0.71
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	18	0.71
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	1	0.71
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	3	0.71
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG23	14	0.71
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	4	0.71
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	18	0.71
(1,3910)	1:230:A:PRO:HG3	1:168:A:ILE:HD13	8	0.71
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	5	0.71
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD12	6	0.71
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	16	0.71
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	6	0.71
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	10	0.71
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	13	0.71
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	14	0.71
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	16	0.71
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	1	0.71
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	3	0.71
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	9	0.71
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	16	0.71
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	2	0.71
(1,3780)	1:149:A:LEU:HD13	1:150:A:ARG:HD3	18	0.71
(1,3697)	1:244:A:ALA:HB2	1:243:A:LYS:H	9	0.71
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	12	0.71
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	11	0.71
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	4	0.71
(1,3576)	1:104:A:LEU:HD11	1:100:A:VAL:HA	6	0.71
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	1	0.71
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	6	0.71
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	1	0.71
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	6	0.71
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	14	0.71
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	17	0.71
(1,3518)	1:194:A:ILE:HG13	1:228:A:ASN:HD21	7	0.71
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	15	0.71
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	1	0.71
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	11	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	13	0.71
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	9	0.71
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG22	5	0.71
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	8	0.71
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	17	0.71
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	18	0.71
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	11	0.71
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	20	0.71
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	15	0.71
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	4	0.71
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	7	0.71
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	13	0.71
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	19	0.71
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	13	0.71
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD12	2	0.71
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD12	5	0.71
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD11	14	0.71
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD12	16	0.71
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	8	0.71
(1,2706)	1:194:A:ILE:HD11	1:196:A:GLN:HE22	12	0.71
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	13	0.71
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	2	0.71
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB2	17	0.71
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	15	0.71
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	18	0.71
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	16	0.71
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	11	0.71
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	15	0.71
(1,2256)	1:239:A:LEU:HD21	1:243:A:LYS:H	19	0.71
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	3	0.71
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	12	0.71
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	8	0.71
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	15	0.71
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD13	16	0.71
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	17	0.71
(1,1668)	1:31:A:ALA:HB2	1:30:A:THR:H	2	0.71
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD11	1	0.71
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD11	5	0.71
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD13	14	0.71
(1,1642)	1:151:A:ALA:HB1	1:138:A:ASP:H	3	0.71
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	2	0.71
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	7	0.71
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	9	0.71
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	10	0.71
(1,1531)	1:116:A:LEU:HD13	1:136:A:LYS:HE3	11	0.71
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	12	0.71
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	17	0.71
(1,1531)	1:116:A:LEU:HD11	1:136:A:LYS:HE3	18	0.71
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	20	0.71
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	20	0.71
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG21	7	0.71
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	9	0.71
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	10	0.71
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	15	0.71
(1,1243)	1:183:A:ALA:H	1:182:A:GLN:HG3	13	0.71
(1,1215)	1:106:A:GLN:HG2	1:102:A:ILE:HA	4	0.71
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	7	0.71
(1,1139)	1:115:A:LEU:H	1:114:A:ASN:HB2	15	0.71
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	13	0.71
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	15	0.71
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	17	0.71
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	12	0.71
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	14	0.71
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	17	0.71
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	3	0.71
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	12	0.71
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	12	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	4	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	5	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	14	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD13	17	0.71
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	18	0.71
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD22	14	0.71
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	3	0.71
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	9	0.71
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	6	0.71
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	5	0.71
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD3	16	0.71
(1,428)	1:39:A:ALA:HB3	1:44:A:TYR:HD1	11	0.71
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	12	0.71
(1,428)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	19	0.71
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE2	3	0.71
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD11	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	10	0.71
(1,370)	1:69:A:LYS:HE2	1:69:A:LYS:HD3	16	0.71
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	8	0.71
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	8	0.71
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	11	0.71
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	14	0.71
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	6	0.71
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	15	0.71
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	16	0.71
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB1	19	0.71
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	11	0.71
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	19	0.71
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	12	0.71
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	14	0.71
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	16	0.71
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	1	0.71
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	7	0.71
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	14	0.71
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	16	0.71
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	19	0.71
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	4	0.7
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD21	8	0.7
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	17	0.7
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	18	0.7
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	2	0.7
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	10	0.7
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	4	0.7
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	5	0.7
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	19	0.7
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	16	0.7
(1,5197)	1:50:A:GLN:H	1:50:A:GLN:HB3	1	0.7
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB2	10	0.7
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	13	0.7
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	2	0.7
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	7	0.7
(1,5038)	1:114:A:ASN:H	1:111:A:GLY:HA3	15	0.7
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	1	0.7
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	2	0.7
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	3	0.7
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	10	0.7
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	5	0.7
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	18	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4243)	1:239:A:LEU:HD11	1:238:A:GLN:HE22	11	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	3	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	5	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	7	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	14	0.7
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD12	16	0.7
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	19	0.7
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	9	0.7
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	12	0.7
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	17	0.7
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	16	0.7
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	10	0.7
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	10	0.7
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	16	0.7
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	2	0.7
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	13	0.7
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD12	1	0.7
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD12	16	0.7
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD12	19	0.7
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	7	0.7
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	10	0.7
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	11	0.7
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	16	0.7
(1,3826)	1:136:A:LYS:HB3	1:136:A:LYS:HD3	18	0.7
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	8	0.7
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	17	0.7
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	19	0.7
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	7	0.7
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	16	0.7
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	13	0.7
(1,3757)	1:152:A:LEU:HD22	1:155:A:GLN:HG3	18	0.7
(1,3697)	1:244:A:ALA:HB3	1:243:A:LYS:H	4	0.7
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG21	20	0.7
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	4	0.7
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	1	0.7
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	5	0.7
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	9	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	1	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	2	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	4	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	5	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	14	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	17	0.7
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	19	0.7
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG21	9	0.7
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG22	16	0.7
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	8	0.7
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	1	0.7
(1,3036)	1:96:A:THR:HG22	1:98:A:LEU:H	12	0.7
(1,3023)	1:174:A:ALA:HB2	1:172:A:TRP:H	6	0.7
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	20	0.7
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	2	0.7
(1,3022)	1:63:A:ALA:HB1	1:44:A:TYR:HD2	10	0.7
(1,3022)	1:63:A:ALA:HB3	1:44:A:TYR:HD2	20	0.7
(1,2946)	1:83:A:LEU:HD21	1:64:A:ILE:H	6	0.7
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD12	1	0.7
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD11	20	0.7
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	4	0.7
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	9	0.7
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	10	0.7
(1,2707)	1:194:A:ILE:HD11	1:193:A:ASN:HD21	19	0.7
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	1	0.7
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	9	0.7
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	15	0.7
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	19	0.7
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	3	0.7
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	19	0.7
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	8	0.7
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	13	0.7
(1,2256)	1:239:A:LEU:HD23	1:243:A:LYS:H	20	0.7
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	4	0.7
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	11	0.7
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	18	0.7
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	19	0.7
(1,1802)	1:57:A:ILE:HD11	1:54:A:ASP:HB3	1	0.7
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	18	0.7
(1,1738)	1:153:A:ILE:HG23	1:153:A:ILE:HG13	6	0.7
(1,1703)	1:119:A:ILE:HG21	1:124:A:LEU:H	9	0.7
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD12	15	0.7
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD13	16	0.7
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	11	0.7
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD11	7	0.7
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD11	15	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1531)	1:116:A:LEU:HD12	1:136:A:LYS:HE3	16	0.7
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	5	0.7
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	6	0.7
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	14	0.7
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	5	0.7
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	8	0.7
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	6	0.7
(1,1243)	1:183:A:ALA:H	1:182:A:GLN:HG3	16	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	1	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	2	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	5	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	10	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	11	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	12	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	13	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	14	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	15	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	17	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	19	0.7
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	20	0.7
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	2	0.7
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	2	0.7
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	7	0.7
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	8	0.7
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	3	0.7
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG13	19	0.7
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	7	0.7
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD13	10	0.7
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	2	0.7
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	6	0.7
(1,494)	1:185:A:THR:HG22	1:186:A:LEU:HG	12	0.7
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	12	0.7
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	6	0.7
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD11	7	0.7
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	19	0.7
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	10	0.7
(1,392)	1:98:A:LEU:HD11	1:65:A:ARG:HA	12	0.7
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG21	15	0.7
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD13	9	0.7
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD12	14	0.7
(1,370)	1:69:A:LYS:HE2	1:69:A:LYS:HD3	11	0.7
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	5	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,341)	1:154:A:ALA:HB3	1:150:A:ARG:HB3	14	0.7
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB3	4	0.7
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	11	0.7
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	17	0.7
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	19	0.7
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB2	18	0.7
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	2	0.7
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	4	0.7
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	2	0.7
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG22	4	0.7
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	10	0.7
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	18	0.7
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	6	0.7
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	20	0.69
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB1	12	0.69
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	16	0.69
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	9	0.69
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	3	0.69
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	8	0.69
(1,5197)	1:50:A:GLN:H	1:50:A:GLN:HB3	11	0.69
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB2	8	0.69
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	11	0.69
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	17	0.69
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	20	0.69
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	2	0.69
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	12	0.69
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	15	0.69
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	11	0.69
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	4	0.69
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	7	0.69
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	9	0.69
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	2	0.69
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	3	0.69
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	4	0.69
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	6	0.69
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	11	0.69
(1,4321)	1:146:A:ILE:HD13	1:150:A:ARG:HD3	19	0.69
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	19	0.69
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	17	0.69
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	1	0.69
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	12	0.69
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	4	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	13	0.69
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	16	0.69
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG23	3	0.69
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	8	0.69
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	13	0.69
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	20	0.69
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	2	0.69
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	6	0.69
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	16	0.69
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG12	6	0.69
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD13	2	0.69
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD11	11	0.69
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD12	15	0.69
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD12	17	0.69
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	9	0.69
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	4	0.69
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	15	0.69
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	20	0.69
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	11	0.69
(1,3780)	1:149:A:LEU:HD13	1:150:A:ARG:HD3	12	0.69
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG21	16	0.69
(1,3624)	1:175:A:LEU:HD12	1:178:A:MET:HG3	6	0.69
(1,3598)	1:152:A:LEU:HD22	1:153:A:ILE:HB	19	0.69
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	7	0.69
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	12	0.69
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	13	0.69
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	15	0.69
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	19	0.69
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	2	0.69
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	5	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	3	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	6	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	8	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	10	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	11	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	12	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	13	0.69
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	20	0.69
(1,3375)	1:81:A:ASN:H	1:80:A:PHE:HB2	3	0.69
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB1	15	0.69
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	10	0.69
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	17	0.69
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	17	0.69
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD11	8	0.69
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD11	5	0.69
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	2	0.69
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	12	0.69
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	14	0.69
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	20	0.69
(1,2757)	1:62:A:LEU:HD12	1:65:A:ARG:HD3	7	0.69
(1,2702)	1:168:A:ILE:HD12	1:222:A:TRP:HH2	2	0.69
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	6	0.69
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	10	0.69
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	12	0.69
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	16	0.69
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	18	0.69
(1,2646)	1:159:A:LEU:HD11	1:166:A:GLN:HE22	3	0.69
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	8	0.69
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	11	0.69
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG21	6	0.69
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	3	0.69
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	9	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	1	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	2	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	3	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	5	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD11	7	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD13	10	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	12	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	13	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	17	0.69
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD13	20	0.69
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD13	6	0.69
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD13	13	0.69
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD11	2	0.69
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD11	10	0.69
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD13	11	0.69
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD13	20	0.69
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	10	0.69
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	15	0.69
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	20	0.69
(1,1612)	1:159:A:LEU:HD11	1:163:A:GLU:HB3	2	0.69
(1,1612)	1:159:A:LEU:HD13	1:163:A:GLU:HB3	17	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	9	0.69
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	18	0.69
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	5	0.69
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	10	0.69
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	15	0.69
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	19	0.69
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	8	0.69
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	20	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	3	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	4	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	6	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	7	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	8	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	9	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	16	0.69
(1,1228)	1:113:A:GLN:HG2	1:113:A:GLN:HB2	18	0.69
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD22	19	0.69
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	5	0.69
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD23	10	0.69
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	11	0.69
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	15	0.69
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	2	0.69
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	3	0.69
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD12	3	0.69
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD13	13	0.69
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	18	0.69
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	4	0.69
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	10	0.69
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	17	0.69
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	4	0.69
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	13	0.69
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	15	0.69
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	13	0.69
(1,493)	1:68:A:VAL:HG21	1:98:A:LEU:HA	18	0.69
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	2	0.69
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	16	0.69
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	5	0.69
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	18	0.69
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	16	0.69
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	14	0.69
(1,371)	1:224:A:LYS:HE3	1:224:A:LYS:HD2	19	0.69
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	11	0.69
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	15	0.69
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	16	0.69
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	3	0.69
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	2	0.69
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	5	0.69
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	12	0.69
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	18	0.69
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	16	0.69
(1,330)	1:136:A:LYS:HG3	1:151:A:ALA:HB3	10	0.69
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	10	0.69
(1,280)	1:180:A:GLN:HG2	1:180:A:GLN:HE22	9	0.69
(1,222)	1:164:A:LYS:HA	1:163:A:GLU:HA	3	0.69
(1,222)	1:164:A:LYS:HA	1:167:A:ASN:HA	17	0.69
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD23	18	0.68
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB1	12	0.68
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG11	19	0.68
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	20	0.68
(1,5537)	1:191:A:ASP:H	1:191:A:ASP:HB3	7	0.68
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	6	0.68
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	11	0.68
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	13	0.68
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	4	0.68
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	4	0.68
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	12	0.68
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	14	0.68
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	17	0.68
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	6	0.68
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	13	0.68
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD21	14	0.68
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB1	1	0.68
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	4	0.68
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	13	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	1	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	2	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	3	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	6	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	9	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	10	0.68
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	12	0.68
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	17	0.68
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	5	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	12	0.68
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	16	0.68
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	4	0.68
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	18	0.68
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	1	0.68
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	16	0.68
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	18	0.68
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	7	0.68
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	9	0.68
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	10	0.68
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	12	0.68
(1,4335)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	17	0.68
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	1	0.68
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	2	0.68
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD12	13	0.68
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD13	18	0.68
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	20	0.68
(1,4218)	1:137:A:ILE:HD13	1:133:A:TRP:HZ3	7	0.68
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	11	0.68
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	14	0.68
(1,4218)	1:137:A:ILE:HD12	1:133:A:TRP:HZ3	15	0.68
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	1	0.68
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	5	0.68
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	15	0.68
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	19	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	1	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	2	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	5	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	11	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	12	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG23	14	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	17	0.68
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	18	0.68
(1,4176)	1:159:A:LEU:HD21	1:164:A:LYS:HE2	6	0.68
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	16	0.68
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG23	8	0.68
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	14	0.68
(1,3997)	1:240:A:VAL:HG11	1:237:A:THR:HB	8	0.68
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG23	3	0.68
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	20	0.68
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	3	0.68
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD13	3	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	5	0.68
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	11	0.68
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD13	17	0.68
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	7	0.68
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	16	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	2	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	6	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	7	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD21	10	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	11	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	12	0.68
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	13	0.68
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	3	0.68
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	14	0.68
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	15	0.68
(1,3697)	1:244:A:ALA:HB1	1:243:A:LYS:H	7	0.68
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE1	17	0.68
(1,3612)	1:69:A:LYS:HG3	1:69:A:LYS:HE2	8	0.68
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	10	0.68
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	20	0.68
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	17	0.68
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	7	0.68
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	9	0.68
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	15	0.68
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	18	0.68
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB1	16	0.68
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	6	0.68
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	3	0.68
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	15	0.68
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	2	0.68
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	1	0.68
(1,3023)	1:174:A:ALA:HB3	1:172:A:TRP:H	3	0.68
(1,3022)	1:63:A:ALA:HB2	1:44:A:TYR:HD2	9	0.68
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	2	0.68
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	4	0.68
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	7	0.68
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	13	0.68
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	14	0.68
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	17	0.68
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD12	15	0.68
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	6	0.68
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	18	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	19	0.68
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	13	0.68
(1,2702)	1:168:A:ILE:HD12	1:222:A:TRP:HH2	4	0.68
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	5	0.68
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	6	0.68
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	15	0.68
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	11	0.68
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	13	0.68
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	1	0.68
(1,2493)	1:168:A:ILE:HD13	1:165:A:GLN:HA	4	0.68
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	10	0.68
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	16	0.68
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	15	0.68
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	1	0.68
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	19	0.68
(1,2256)	1:239:A:LEU:HD22	1:243:A:LYS:H	14	0.68
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	7	0.68
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	12	0.68
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD13	6	0.68
(1,2012)	1:104:A:LEU:HA	1:104:A:LEU:HD12	9	0.68
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	2	0.68
(1,1802)	1:57:A:ILE:HD11	1:54:A:ASP:HB3	14	0.68
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	10	0.68
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	13	0.68
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	6	0.68
(1,1642)	1:151:A:ALA:HB1	1:138:A:ASP:H	8	0.68
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	18	0.68
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG23	8	0.68
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	9	0.68
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	11	0.68
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	20	0.68
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG21	4	0.68
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	2	0.68
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD13	4	0.68
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	9	0.68
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	2	0.68
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	3	0.68
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	15	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	3	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	4	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	6	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	7	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD23	13	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD23	14	0.68
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	17	0.68
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	4	0.68
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	16	0.68
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	6	0.68
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	9	0.68
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD11	1	0.68
(1,684)	1:219:A:ILE:HA	1:239:A:LEU:HD13	16	0.68
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD12	16	0.68
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	10	0.68
(1,545)	1:43:A:PHE:HE2	1:59:A:TRP:HZ2	11	0.68
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	18	0.68
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	16	0.68
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	7	0.68
(1,494)	1:185:A:THR:HG22	1:186:A:LEU:HG	20	0.68
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	17	0.68
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	8	0.68
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	13	0.68
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	4	0.68
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	1	0.68
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	13	0.68
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	1	0.68
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	12	0.68
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	5	0.68
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	1	0.68
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG21	5	0.68
(1,341)	1:154:A:ALA:HB1	1:150:A:ARG:HB3	9	0.68
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB3	6	0.68
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	3	0.68
(1,339)	1:137:A:ILE:HG22	1:140:A:SER:HB2	9	0.68
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	20	0.68
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	1	0.68
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	8	0.68
(1,272)	1:245:A:PHE:HB2	1:245:A:PHE:HE2	20	0.68
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	12	0.68
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	14	0.67
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	5	0.67
(1,5688)	1:148:A:LEU:H	1:148:A:LEU:HD22	7	0.67
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	1	0.67
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG11	11	0.67
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	17	0.67
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	2	0.67
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	13	0.67
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	7	0.67
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD23	8	0.67
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	14	0.67
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD23	19	0.67
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG23	9	0.67
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	18	0.67
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	19	0.67
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	1	0.67
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	7	0.67
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	10	0.67
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	12	0.67
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	20	0.67
(1,5197)	1:50:A:GLN:H	1:50:A:GLN:HB3	20	0.67
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	4	0.67
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	5	0.67
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	15	0.67
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	16	0.67
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	3	0.67
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	18	0.67
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	4	0.67
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	18	0.67
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	3	0.67
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	13	0.67
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	2	0.67
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	4	0.67
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	9	0.67
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	17	0.67
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	20	0.67
(1,4521)	1:43:A:PHE:HE1	1:43:A:PHE:HB2	11	0.67
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	6	0.67
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	10	0.67
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	13	0.67
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	4	0.67
(1,4218)	1:137:A:ILE:HD13	1:133:A:TRP:HZ3	16	0.67
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	7	0.67
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	14	0.67
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	4	0.67
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	6	0.67
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG21	10	0.67
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	15	0.67
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	13	0.67
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	14	0.67
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	19	0.67
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	2	0.67
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	17	0.67
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	2	0.67
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	5	0.67
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	11	0.67
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	20	0.67
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	3	0.67
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	7	0.67
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD11	8	0.67
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	3	0.67
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	11	0.67
(1,3837)	1:239:A:LEU:HD12	1:238:A:GLN:HG2	17	0.67
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD22	5	0.67
(1,3810)	1:149:A:LEU:HB2	1:149:A:LEU:HD23	18	0.67
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG23	1	0.67
(1,3576)	1:104:A:LEU:HD11	1:100:A:VAL:HA	14	0.67
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD22	5	0.67
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	7	0.67
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	2	0.67
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	19	0.67
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	5	0.67
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	10	0.67
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	16	0.67
(1,3427)	1:180:A:GLN:HG2	1:180:A:GLN:HB3	16	0.67
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	12	0.67
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	13	0.67
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	18	0.67
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	19	0.67
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	11	0.67
(1,3023)	1:174:A:ALA:HB2	1:172:A:TRP:H	15	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	1	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	3	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	5	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	8	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	10	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	15	0.67
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	20	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:83:A:LEU:HD23	1:80:A:PHE:H	11	0.67
(1,2946)	1:83:A:LEU:HD21	1:64:A:ILE:H	9	0.67
(1,2933)	1:83:A:LEU:HD22	1:102:A:ILE:HD12	3	0.67
(1,2933)	1:83:A:LEU:HD23	1:102:A:ILE:HD11	11	0.67
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD11	19	0.67
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD21	8	0.67
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	1	0.67
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	3	0.67
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	11	0.67
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	13	0.67
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	16	0.67
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	8	0.67
(1,2714)	1:30:A:THR:HB	1:29:A:SER:HB3	6	0.67
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	9	0.67
(1,2675)	1:102:A:ILE:HG22	1:108:A:ASP:HB3	11	0.67
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	5	0.67
(1,2343)	1:199:A:LEU:HD23	1:197:A:GLY:H	9	0.67
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	3	0.67
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	3	0.67
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	15	0.67
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	20	0.67
(1,2226)	1:55:A:THR:HG22	1:58:A:ASN:HB2	12	0.67
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD12	18	0.67
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	20	0.67
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	20	0.67
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD11	3	0.67
(1,1664)	1:99:A:ALA:HB1	1:102:A:ILE:HD13	8	0.67
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD12	19	0.67
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	2	0.67
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	16	0.67
(1,1642)	1:151:A:ALA:HB1	1:138:A:ASP:H	19	0.67
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG21	3	0.67
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	4	0.67
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG21	8	0.67
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	12	0.67
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	13	0.67
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	20	0.67
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	12	0.67
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	17	0.67
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	18	0.67
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	12	0.67
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG21	1	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	18	0.67
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	17	0.67
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	1	0.67
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	10	0.67
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	14	0.67
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD22	5	0.67
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	10	0.67
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	13	0.67
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD22	20	0.67
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	10	0.67
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	20	0.67
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	11	0.67
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	12	0.67
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	1	0.67
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD23	5	0.67
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	9	0.67
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	18	0.67
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	20	0.67
(1,773)	1:181:A:GLU:HA	1:184:A:ASN:HD22	13	0.67
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	13	0.67
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	20	0.67
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	16	0.67
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	17	0.67
(1,649)	1:210:A:ASN:H	1:209:A:ARG:HE	8	0.67
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	1	0.67
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD12	14	0.67
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD11	16	0.67
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	15	0.67
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	2	0.67
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	4	0.67
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	18	0.67
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	2	0.67
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	18	0.67
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	4	0.67
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	17	0.67
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	5	0.67
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	9	0.67
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	6	0.67
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	1	0.67
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB1	7	0.67
(1,340)	1:153:A:ILE:H	1:154:A:ALA:HB2	19	0.67
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	12	0.67
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	5	0.66
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	15	0.66
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	7	0.66
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	17	0.66
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG12	8	0.66
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	5	0.66
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	10	0.66
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	1	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	1	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	2	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	3	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	6	0.66
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	20	0.66
(1,5208)	1:123:A:ASP:H	1:124:A:LEU:HD23	13	0.66
(1,5112)	1:223:A:GLN:H	1:220:A:ALA:HB3	9	0.66
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	7	0.66
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	14	0.66
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	17	0.66
(1,5021)	1:30:A:THR:H	1:28:A:GLN:HB3	16	0.66
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG21	10	0.66
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG21	15	0.66
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	20	0.66
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	5	0.66
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	10	0.66
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	1	0.66
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB1	3	0.66
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	18	0.66
(1,4522)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	1	0.66
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	15	0.66
(1,4223)	1:172:A:TRP:HA	1:239:A:LEU:HD11	12	0.66
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	5	0.66
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	10	0.66
(1,4218)	1:137:A:ILE:HD11	1:133:A:TRP:HZ3	18	0.66
(1,4211)	1:178:A:MET:HB3	1:179:A:THR:HG22	9	0.66
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	18	0.66
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	8	0.66
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	12	0.66
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	14	0.66
(1,4176)	1:159:A:LEU:HD21	1:164:A:LYS:HE2	19	0.66
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	2	0.66
(1,3997)	1:240:A:VAL:HG11	1:237:A:THR:HB	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	1	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	4	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	6	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	8	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG23	9	0.66
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	18	0.66
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	1	0.66
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	13	0.66
(1,3943)	1:96:A:THR:HG23	1:132:A:TYR:HE2	15	0.66
(1,3926)	1:149:A:LEU:HD13	1:150:A:ARG:HD2	3	0.66
(1,3924)	1:188:A:ILE:HD11	1:149:A:LEU:HD11	5	0.66
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD11	10	0.66
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE1	20	0.66
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG22	6	0.66
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	2	0.66
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	4	0.66
(1,3598)	1:152:A:LEU:HD22	1:153:A:ILE:HB	13	0.66
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	16	0.66
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	6	0.66
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	13	0.66
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	1	0.66
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	1	0.66
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG22	5	0.66
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG22	8	0.66
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	18	0.66
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG23	7	0.66
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG22	20	0.66
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	6	0.66
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	14	0.66
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	16	0.66
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	8	0.66
(1,3023)	1:174:A:ALA:HB1	1:172:A:TRP:H	10	0.66
(1,3023)	1:174:A:ALA:HB2	1:172:A:TRP:H	14	0.66
(1,3023)	1:174:A:ALA:HB2	1:172:A:TRP:H	18	0.66
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	11	0.66
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	9	0.66
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	11	0.66
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	16	0.66
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	18	0.66
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	19	0.66
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	19	0.66
(1,2896)	1:127:A:ASN:HA	1:158:A:LEU:HD22	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	7	0.66
(1,2874)	1:247:A:PRO:HG2	1:247:A:PRO:HA	15	0.66
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	18	0.66
(1,2702)	1:168:A:ILE:HD12	1:222:A:TRP:HH2	5	0.66
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB2	13	0.66
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	14	0.66
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	8	0.66
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	19	0.66
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	2	0.66
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD11	3	0.66
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	19	0.66
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	4	0.66
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	5	0.66
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	10	0.66
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	11	0.66
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	14	0.66
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	17	0.66
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	18	0.66
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	15	0.66
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	14	0.66
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	4	0.66
(1,1979)	1:87:A:LEU:HD13	1:84:A:PRO:HD3	2	0.66
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD12	1	0.66
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD12	14	0.66
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD13	17	0.66
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	14	0.66
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	19	0.66
(1,1664)	1:99:A:ALA:HB3	1:102:A:ILE:HD11	16	0.66
(1,1664)	1:99:A:ALA:HB2	1:102:A:ILE:HD12	17	0.66
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	4	0.66
(1,1642)	1:151:A:ALA:HB1	1:138:A:ASP:H	5	0.66
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	9	0.66
(1,1642)	1:151:A:ALA:HB1	1:138:A:ASP:H	11	0.66
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	12	0.66
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	17	0.66
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	2	0.66
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	18	0.66
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	11	0.66
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	13	0.66
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG22	17	0.66
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	4	0.66
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	7	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	15	0.66
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	9	0.66
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	13	0.66
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD13	1	0.66
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD13	3	0.66
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	11	0.66
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	13	0.66
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD13	18	0.66
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD11	19	0.66
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD23	8	0.66
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD23	20	0.66
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD11	19	0.66
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	2	0.66
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD21	8	0.66
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	12	0.66
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	16	0.66
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	1	0.66
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	18	0.66
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD12	6	0.66
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	17	0.66
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	14	0.66
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	4	0.66
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	16	0.66
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	3	0.66
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	17	0.66
(1,428)	1:39:A:ALA:HB1	1:44:A:TYR:HD1	4	0.66
(1,428)	1:39:A:ALA:HB1	1:44:A:TYR:HD1	18	0.66
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	13	0.66
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	8	0.66
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	14	0.66
(1,375)	1:95:A:LYS:HE3	1:83:A:LEU:HD22	6	0.66
(1,370)	1:69:A:LYS:HE3	1:69:A:LYS:HD2	3	0.66
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	13	0.66
(1,370)	1:69:A:LYS:HE3	1:69:A:LYS:HD2	14	0.66
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	20	0.66
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	2	0.66
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	20	0.66
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	7	0.66
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	10	0.66
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	16	0.66
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	17	0.66
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	1	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	9	0.65
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	2	0.65
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	17	0.65
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	4	0.65
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB1	6	0.65
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	9	0.65
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	10	0.65
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	3	0.65
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD23	20	0.65
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	5	0.65
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	14	0.65
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	7	0.65
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	8	0.65
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	16	0.65
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	9	0.65
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	11	0.65
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	8	0.65
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	18	0.65
(1,5080)	1:213:A:ASP:H	1:212:A:PRO:HB3	19	0.65
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	13	0.65
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	14	0.65
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	10	0.65
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	9	0.65
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	11	0.65
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	19	0.65
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	13	0.65
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	1	0.65
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	9	0.65
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB1	13	0.65
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	2	0.65
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	11	0.65
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	1	0.65
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	5	0.65
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	14	0.65
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	18	0.65
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	20	0.65
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	2	0.65
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	19	0.65
(1,3997)	1:240:A:VAL:HG11	1:237:A:THR:HB	4	0.65
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	5	0.65
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	18	0.65
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	5	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	7	0.65
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	13	0.65
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	16	0.65
(1,3943)	1:96:A:THR:HG23	1:132:A:TYR:HE2	6	0.65
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	15	0.65
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	11	0.65
(1,3840)	1:14:A:LEU:HA	1:14:A:LEU:HD23	17	0.65
(1,3837)	1:239:A:LEU:HD12	1:238:A:GLN:HG2	10	0.65
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE1	4	0.65
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE2	7	0.65
(1,3636)	1:45:A:LEU:HD23	1:48:A:MET:HE3	14	0.65
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE1	19	0.65
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE3	20	0.65
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	15	0.65
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	18	0.65
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD21	20	0.65
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	19	0.65
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	18	0.65
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	3	0.65
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG22	4	0.65
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	11	0.65
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	13	0.65
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG22	17	0.65
(1,3303)	1:74:A:GLY:HA3	1:77:A:VAL:HG21	12	0.65
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	19	0.65
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	14	0.65
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	19	0.65
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB2	14	0.65
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	15	0.65
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	17	0.65
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD21	6	0.65
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	11	0.65
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	5	0.65
(1,2771)	1:235:A:LEU:HD23	1:222:A:TRP:HZ2	6	0.65
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	8	0.65
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	12	0.65
(1,2707)	1:194:A:ILE:HD11	1:193:A:ASN:HD21	16	0.65
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	5	0.65
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	14	0.65
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB2	1	0.65
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	16	0.65
(1,2493)	1:168:A:ILE:HD13	1:165:A:GLN:HA	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	7	0.65
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	12	0.65
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD13	14	0.65
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	9	0.65
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD11	19	0.65
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	12	0.65
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	14	0.65
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	18	0.65
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	15	0.65
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	1	0.65
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	13	0.65
(1,1642)	1:151:A:ALA:HB2	1:138:A:ASP:H	14	0.65
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG22	20	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	5	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG21	6	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	7	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG21	9	0.65
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	15	0.65
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	18	0.65
(1,1404)	1:225:A:ARG:HG3	1:225:A:ARG:HA	2	0.65
(1,1313)	1:77:A:VAL:HB	1:102:A:ILE:HG23	5	0.65
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	9	0.65
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	1	0.65
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	15	0.65
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	6	0.65
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	7	0.65
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	11	0.65
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	9	0.65
(1,812)	1:238:A:GLN:HA	1:239:A:LEU:HD22	19	0.65
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	14	0.65
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	5	0.65
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG13	20	0.65
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	15	0.65
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	12	0.65
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	3	0.65
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	8	0.65
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	11	0.65
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	13	0.65
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	19	0.65
(1,580)	1:99:A:ALA:H	1:98:A:LEU:HD22	16	0.65
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	19	0.65
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,494)	1:185:A:THR:HG22	1:186:A:LEU:HG	17	0.65
(1,493)	1:68:A:VAL:HG23	1:98:A:LEU:HA	6	0.65
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	3	0.65
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	6	0.65
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	19	0.65
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	15	0.65
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	7	0.65
(1,441)	1:66:A:ALA:HB1	1:44:A:TYR:HB2	13	0.65
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG22	15	0.65
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	18	0.65
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	3	0.65
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	10	0.65
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	6	0.65
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	8	0.65
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	3	0.65
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	8	0.65
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	4	0.65
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	10	0.65
(1,339)	1:137:A:ILE:HG23	1:140:A:SER:HB2	1	0.65
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	6	0.65
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	7	0.65
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	4	0.64
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	7	0.64
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	18	0.64
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	20	0.64
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	1	0.64
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	6	0.64
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	2	0.64
(1,5548)	1:71:A:GLY:H	1:68:A:VAL:HG13	6	0.64
(1,5537)	1:191:A:ASP:H	1:191:A:ASP:HB3	20	0.64
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	1	0.64
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	17	0.64
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	18	0.64
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	20	0.64
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	19	0.64
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	5	0.64
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG23	15	0.64
(1,5171)	1:52:A:SER:H	1:51:A:SER:HB2	3	0.64
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	3	0.64
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	9	0.64
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	12	0.64
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	2	0.64
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	15	0.64
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	16	0.64
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	18	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	1	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	2	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	7	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	8	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	12	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG21	14	0.64
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	16	0.64
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD11	16	0.64
(1,4637)	1:112:A:ALA:H	1:114:A:ASN:HB3	14	0.64
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	5	0.64
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	6	0.64
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	7	0.64
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	10	0.64
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	7	0.64
(1,4522)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	11	0.64
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	7	0.64
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	9	0.64
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	4	0.64
(1,4353)	1:226:A:TYR:HD1	1:225:A:ARG:HG2	17	0.64
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	8	0.64
(1,4220)	1:168:A:ILE:HD11	1:198:A:TRP:HH2	19	0.64
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	17	0.64
(1,4176)	1:159:A:LEU:HD21	1:164:A:LYS:HE2	20	0.64
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	11	0.64
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG22	13	0.64
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG21	15	0.64
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	1	0.64
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	10	0.64
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	16	0.64
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	10	0.64
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	7	0.64
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	6	0.64
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	2	0.64
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	8	0.64
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	14	0.64
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	16	0.64
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	18	0.64
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD11	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD12	7	0.64
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD11	14	0.64
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD13	18	0.64
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	7	0.64
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	1	0.64
(1,3891)	1:62:A:LEU:HD13	1:44:A:TYR:HD2	13	0.64
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	17	0.64
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG22	14	0.64
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG23	19	0.64
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE3	3	0.64
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	3	0.64
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	7	0.64
(1,3576)	1:104:A:LEU:HD13	1:100:A:VAL:HA	2	0.64
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	4	0.64
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	9	0.64
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	17	0.64
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	16	0.64
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	14	0.64
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	17	0.64
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG21	2	0.64
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	14	0.64
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	15	0.64
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD23	16	0.64
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	1	0.64
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	12	0.64
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	3	0.64
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	10	0.64
(1,2933)	1:83:A:LEU:HD21	1:102:A:ILE:HD13	19	0.64
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD12	14	0.64
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD12	15	0.64
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	5	0.64
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	16	0.64
(1,2771)	1:235:A:LEU:HD23	1:222:A:TRP:HZ2	4	0.64
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	7	0.64
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	10	0.64
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	19	0.64
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	20	0.64
(1,2707)	1:194:A:ILE:HD12	1:193:A:ASN:HD21	20	0.64
(1,2702)	1:168:A:ILE:HD11	1:222:A:TRP:HH2	8	0.64
(1,2675)	1:102:A:ILE:HG22	1:108:A:ASP:HB3	19	0.64
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB1	7	0.64
(1,2578)	1:235:A:LEU:HD11	1:233:A:LYS:H	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	14	0.64
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	3	0.64
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	17	0.64
(1,2493)	1:168:A:ILE:HD11	1:165:A:GLN:HA	20	0.64
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD13	10	0.64
(1,2343)	1:199:A:LEU:HD22	1:197:A:GLY:H	18	0.64
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	8	0.64
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	7	0.64
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	13	0.64
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	9	0.64
(1,2180)	1:201:A:LEU:HB2	1:204:A:VAL:HG23	17	0.64
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	2	0.64
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	5	0.64
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	8	0.64
(1,1802)	1:57:A:ILE:HD11	1:54:A:ASP:HB3	3	0.64
(1,1783)	1:188:A:ILE:HD12	1:196:A:GLN:HE22	8	0.64
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	15	0.64
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	18	0.64
(1,1710)	1:57:A:ILE:HG23	1:91:A:GLN:HE22	8	0.64
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	6	0.64
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	8	0.64
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	9	0.64
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	5	0.64
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG22	15	0.64
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	14	0.64
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	16	0.64
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG21	17	0.64
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	1	0.64
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	4	0.64
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	16	0.64
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	17	0.64
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	11	0.64
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	6	0.64
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	19	0.64
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	3	0.64
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	4	0.64
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD21	12	0.64
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	16	0.64
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	18	0.64
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD23	19	0.64
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	1	0.64
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	2	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	19	0.64
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	7	0.64
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG12	4	0.64
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	13	0.64
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG13	15	0.64
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD21	13	0.64
(1,652)	1:149:A:LEU:H	1:150:A:ARG:HB2	1	0.64
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	7	0.64
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	9	0.64
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	18	0.64
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	5	0.64
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	5	0.64
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	14	0.64
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	6	0.64
(1,464)	1:33:A:MET:HE2	1:62:A:LEU:HD23	17	0.64
(1,423)	1:102:A:ILE:HD11	1:64:A:ILE:HB	8	0.64
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	9	0.64
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	12	0.64
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	15	0.64
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	7	0.64
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	8	0.64
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	12	0.64
(1,392)	1:98:A:LEU:HD12	1:65:A:ARG:HA	20	0.64
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	2	0.64
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	4	0.64
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	13	0.64
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	16	0.64
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	18	0.64
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	17	0.64
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	19	0.64
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	12	0.64
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	19	0.64
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	20	0.64
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	7	0.64
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	18	0.64
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	12	0.64
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	8	0.64
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	1	0.64
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	3	0.64
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	3	0.63
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	18	0.63
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	16	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	18	0.63
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	1	0.63
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	6	0.63
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	5	0.63
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	8	0.63
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	11	0.63
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	16	0.63
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB2	4	0.63
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	16	0.63
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	11	0.63
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG21	11	0.63
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	2	0.63
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	2	0.63
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	4	0.63
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	10	0.63
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	19	0.63
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	5	0.63
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	3	0.63
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	4	0.63
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	13	0.63
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	4	0.63
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG23	5	0.63
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG22	13	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	1	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	2	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	8	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD11	10	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	11	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	17	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	19	0.63
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD11	20	0.63
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	11	0.63
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB2	19	0.63
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	3	0.63
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	10	0.63
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	15	0.63
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	4	0.63
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	4	0.63
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	15	0.63
(1,4216)	1:136:A:LYS:HG2	1:133:A:TRP:HZ3	11	0.63
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	1	0.63
(1,4176)	1:159:A:LEU:HD21	1:164:A:LYS:HE2	4	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	11	0.63
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	13	0.63
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	18	0.63
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG23	4	0.63
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	2	0.63
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	4	0.63
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	6	0.63
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	9	0.63
(1,4106)	1:151:A:ALA:HB3	1:136:A:LYS:HE2	11	0.63
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	14	0.63
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	16	0.63
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	15	0.63
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG21	11	0.63
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG23	15	0.63
(1,3943)	1:96:A:THR:HG23	1:132:A:TYR:HE2	4	0.63
(1,3943)	1:96:A:THR:HG23	1:132:A:TYR:HE2	7	0.63
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	19	0.63
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	6	0.63
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	10	0.63
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	4	0.63
(1,3837)	1:239:A:LEU:HD11	1:238:A:GLN:HG2	15	0.63
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG22	2	0.63
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG22	17	0.63
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE1	1	0.63
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE1	6	0.63
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	1	0.63
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	5	0.63
(1,3598)	1:152:A:LEU:HD21	1:153:A:ILE:HB	6	0.63
(1,3596)	1:152:A:LEU:HD23	1:149:A:LEU:H	18	0.63
(1,3576)	1:104:A:LEU:HD12	1:100:A:VAL:HA	3	0.63
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	3	0.63
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD11	14	0.63
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	19	0.63
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	1	0.63
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	2	0.63
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	6	0.63
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	10	0.63
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	16	0.63
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	9	0.63
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD12	2	0.63
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	10	0.63
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	18	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	3	0.63
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	6	0.63
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	8	0.63
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	17	0.63
(1,2947)	1:83:A:LEU:HD23	1:80:A:PHE:H	1	0.63
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	2	0.63
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	7	0.63
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	8	0.63
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	12	0.63
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD13	1	0.63
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD13	3	0.63
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD11	9	0.63
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD13	17	0.63
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD13	20	0.63
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	19	0.63
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	20	0.63
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	17	0.63
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	5	0.63
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	3	0.63
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	5	0.63
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	17	0.63
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	6	0.63
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	2	0.63
(1,2356)	1:242:A:VAL:HG12	1:243:A:LYS:HB2	8	0.63
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	19	0.63
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	1	0.63
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB2	17	0.63
(1,1802)	1:57:A:ILE:HD11	1:54:A:ASP:HB3	12	0.63
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	7	0.63
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD12	3	0.63
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD12	12	0.63
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	3	0.63
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	19	0.63
(1,1642)	1:151:A:ALA:HB3	1:138:A:ASP:H	7	0.63
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG23	4	0.63
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	10	0.63
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG22	19	0.63
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	12	0.63
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	3	0.63
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	5	0.63
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	6	0.63
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	10	0.63
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	11	0.63
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	20	0.63
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	2	0.63
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	13	0.63
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	2	0.63
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	5	0.63
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	10	0.63
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	9	0.63
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	11	0.63
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	15	0.63
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	9	0.63
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	10	0.63
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	14	0.63
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG12	14	0.63
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	16	0.63
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	11	0.63
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	15	0.63
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD12	10	0.63
(1,569)	1:63:A:ALA:H	1:62:A:LEU:HD21	11	0.63
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	16	0.63
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	11	0.63
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	14	0.63
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	8	0.63
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	12	0.63
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	1	0.63
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	9	0.63
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	14	0.63
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	7	0.63
(1,423)	1:102:A:ILE:HD11	1:64:A:ILE:HB	14	0.63
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	17	0.63
(1,423)	1:102:A:ILE:HD11	1:64:A:ILE:HB	20	0.63
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	14	0.63
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	5	0.63
(1,392)	1:98:A:LEU:HD12	1:65:A:ARG:HA	8	0.63
(1,392)	1:98:A:LEU:HD11	1:65:A:ARG:HA	17	0.63
(1,371)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	17	0.63
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	19	0.63
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	8	0.63
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	18	0.63
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	7	0.63
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	13	0.63
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD11	18	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	3	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	7	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	10	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	12	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	13	0.63
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	17	0.63
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	10	0.63
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	16	0.63
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	17	0.63
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	2	0.62
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	19	0.62
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	12	0.62
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	13	0.62
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	9	0.62
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB1	15	0.62
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB1	18	0.62
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	13	0.62
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	20	0.62
(1,5429)	1:90:A:ALA:H	1:89:A:ASP:HB3	20	0.62
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD21	9	0.62
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	17	0.62
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	15	0.62
(1,5266)	1:140:A:SER:H	1:137:A:ILE:HG22	13	0.62
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	14	0.62
(1,5121)	1:177:A:SER:H	1:177:A:SER:HB3	20	0.62
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	1	0.62
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	5	0.62
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE3	16	0.62
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	6	0.62
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	5	0.62
(1,4847)	1:153:A:ILE:H	1:153:A:ILE:HG21	6	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD11	3	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	6	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	9	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	12	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	14	0.62
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD11	15	0.62
(1,4704)	1:28:A:GLN:H	1:27:A:ASP:HB2	20	0.62
(1,4666)	1:190:A:ALA:H	1:191:A:ASP:HB3	19	0.62
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	19	0.62
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	1	0.62
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	4	0.62
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	9	0.62
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	11	0.62
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	2	0.62
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	16	0.62
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	19	0.62
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	5	0.62
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	15	0.62
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	19	0.62
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	17	0.62
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	11	0.62
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	3	0.62
(1,4155)	1:103:A:LYS:HA	1:73:A:THR:HG23	5	0.62
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	12	0.62
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	13	0.62
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	15	0.62
(1,4106)	1:151:A:ALA:HB3	1:136:A:LYS:HE2	19	0.62
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	1	0.62
(1,3997)	1:240:A:VAL:HG12	1:237:A:THR:HB	12	0.62
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	6	0.62
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	10	0.62
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	15	0.62
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	20	0.62
(1,3943)	1:96:A:THR:HG21	1:132:A:TYR:HE2	17	0.62
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG13	19	0.62
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE1	8	0.62
(1,3837)	1:239:A:LEU:HD13	1:238:A:GLN:HG2	6	0.62
(1,3636)	1:45:A:LEU:HD23	1:48:A:MET:HE2	11	0.62
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	17	0.62
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	4	0.62
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	13	0.62
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	14	0.62
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	18	0.62
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	20	0.62
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	5	0.62
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	7	0.62
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	10	0.62
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	3	0.62
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD12	13	0.62
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	5	0.62
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB2	16	0.62
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	16	0.62
(1,2986)	1:95:A:LYS:HD3	1:95:A:LYS:HB3	12	0.62
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	20	0.62
(1,2946)	1:83:A:LEU:HD21	1:64:A:ILE:H	1	0.62
(1,2946)	1:83:A:LEU:HD21	1:64:A:ILE:H	13	0.62
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	18	0.62
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD13	4	0.62
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD12	12	0.62
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	13	0.62
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB2	11	0.62
(1,2771)	1:235:A:LEU:HD23	1:222:A:TRP:HZ2	3	0.62
(1,2702)	1:168:A:ILE:HD13	1:222:A:TRP:HH2	17	0.62
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	9	0.62
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	7	0.62
(1,2493)	1:168:A:ILE:HD12	1:165:A:GLN:HA	9	0.62
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	10	0.62
(1,2452)	1:175:A:LEU:HD22	1:199:A:LEU:H	11	0.62
(1,2452)	1:175:A:LEU:HD22	1:199:A:LEU:H	14	0.62
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	4	0.62
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD11	12	0.62
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	10	0.62
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD13	16	0.62
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	18	0.62
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	10	0.62
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	8	0.62
(1,2266)	1:96:A:THR:HG23	1:99:A:ALA:H	16	0.62
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	13	0.62
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB2	1	0.62
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB2	10	0.62
(1,2131)	1:153:A:ILE:HG22	1:154:A:ALA:HB1	13	0.62
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB1	15	0.62
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB2	19	0.62
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	1	0.62
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	9	0.62
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	15	0.62
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	10	0.62
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	11	0.62
(1,1783)	1:188:A:ILE:HD12	1:196:A:GLN:HE22	12	0.62
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	12	0.62
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD12	11	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	4	0.62
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	5	0.62
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	10	0.62
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	13	0.62
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	15	0.62
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	1	0.62
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	1	0.62
(1,1605)	1:121:A:PRO:HD3	1:120:A:THR:HG23	11	0.62
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	2	0.62
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	20	0.62
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	7	0.62
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	12	0.62
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	13	0.62
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	14	0.62
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	15	0.62
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	3	0.62
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	9	0.62
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	6	0.62
(1,1051)	1:97:A:LEU:HB2	1:98:A:LEU:HD12	6	0.62
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	12	0.62
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	17	0.62
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	8	0.62
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	4	0.62
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	8	0.62
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	16	0.62
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	9	0.62
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	2	0.62
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	5	0.62
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	2	0.62
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	5	0.62
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	12	0.62
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	11	0.62
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	1	0.62
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	11	0.62
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	16	0.62
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	8	0.62
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	15	0.62
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	16	0.62
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	2	0.62
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD13	9	0.62
(1,441)	1:66:A:ALA:HB1	1:44:A:TYR:HB2	15	0.62
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	5	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	9	0.62
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	16	0.62
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	18	0.62
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	1	0.62
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	16	0.62
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG21	6	0.62
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG22	13	0.62
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	3	0.62
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	20	0.62
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	7	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	5	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	9	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	11	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	15	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG22	16	0.62
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	17	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	1	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	3	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	6	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	8	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	9	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	11	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	12	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	17	0.62
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	19	0.62
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	6	0.62
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	13	0.62
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	14	0.62
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	19	0.62
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	5	0.62
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	6	0.62
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	11	0.62
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	14	0.62
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	16	0.62
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	19	0.62
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	9	0.62
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	13	0.62
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG21	14	0.62
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	11	0.61
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	8	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	7	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	8	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	11	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	16	0.61
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	20	0.61
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG23	19	0.61
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	10	0.61
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB1	14	0.61
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	19	0.61
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB1	8	0.61
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB1	14	0.61
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	3	0.61
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	2	0.61
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	7	0.61
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	15	0.61
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	16	0.61
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	6	0.61
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	7	0.61
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	11	0.61
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	12	0.61
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD12	4	0.61
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	9	0.61
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	10	0.61
(1,4522)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	3	0.61
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	6	0.61
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	7	0.61
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	17	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	1	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	3	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD12	4	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	11	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	14	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD12	17	0.61
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	19	0.61
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD13	17	0.61
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	12	0.61
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	14	0.61
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	13	0.61
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	13	0.61
(1,4302)	1:61:A:LEU:HD12	1:91:A:GLN:HE22	12	0.61
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	13	0.61
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	8	0.61
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	18	0.61
(1,4106)	1:151:A:ALA:HB3	1:136:A:LYS:HE2	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4106)	1:151:A:ALA:HB3	1:136:A:LYS:HE2	5	0.61
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	7	0.61
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	17	0.61
(1,4106)	1:151:A:ALA:HB2	1:136:A:LYS:HE2	20	0.61
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	16	0.61
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	4	0.61
(1,3943)	1:96:A:THR:HG22	1:132:A:TYR:HE2	10	0.61
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG12	14	0.61
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD11	9	0.61
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	2	0.61
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	18	0.61
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	17	0.61
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	3	0.61
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	12	0.61
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	18	0.61
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE2	9	0.61
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	12	0.61
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	3	0.61
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	18	0.61
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	8	0.61
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	8	0.61
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	9	0.61
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	19	0.61
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	3	0.61
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD12	1	0.61
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	4	0.61
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	6	0.61
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	10	0.61
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	15	0.61
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	19	0.61
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	6	0.61
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	7	0.61
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	13	0.61
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	13	0.61
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	17	0.61
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	4	0.61
(1,2946)	1:83:A:LEU:HD21	1:64:A:ILE:H	11	0.61
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	14	0.61
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	12	0.61
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	16	0.61
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD11	2	0.61
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD12	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD11	8	0.61
(1,2930)	1:64:A:ILE:HD11	1:83:A:LEU:HD13	10	0.61
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD13	11	0.61
(1,2930)	1:64:A:ILE:HD13	1:83:A:LEU:HD11	13	0.61
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD12	16	0.61
(1,2930)	1:64:A:ILE:HD12	1:83:A:LEU:HD13	18	0.61
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	18	0.61
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB3	20	0.61
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	9	0.61
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	11	0.61
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	14	0.61
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	9	0.61
(1,2687)	1:219:A:ILE:HD12	1:205:A:TRP:HE1	18	0.61
(1,2676)	1:102:A:ILE:HG23	1:80:A:PHE:HB2	1	0.61
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	10	0.61
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB2	11	0.61
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	5	0.61
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	10	0.61
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	11	0.61
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	10	0.61
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	17	0.61
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	19	0.61
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	1	0.61
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	17	0.61
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	14	0.61
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	11	0.61
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD13	15	0.61
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD13	17	0.61
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	2	0.61
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD13	4	0.61
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	5	0.61
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	20	0.61
(1,2266)	1:96:A:THR:HG21	1:99:A:ALA:H	2	0.61
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	6	0.61
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	18	0.61
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	6	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	3	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	11	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	12	0.61
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB3	14	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB2	18	0.61
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB3	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	11	0.61
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	4	0.61
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	13	0.61
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	3	0.61
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	13	0.61
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	7	0.61
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	16	0.61
(1,1702)	1:139:A:ALA:HB2	1:116:A:LEU:HD13	10	0.61
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	2	0.61
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	7	0.61
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	17	0.61
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD22	14	0.61
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	6	0.61
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	8	0.61
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	1	0.61
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	11	0.61
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	15	0.61
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	2	0.61
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	19	0.61
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	14	0.61
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	16	0.61
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	18	0.61
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	8	0.61
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	1	0.61
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG11	11	0.61
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD23	6	0.61
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	15	0.61
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	18	0.61
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	9	0.61
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	5	0.61
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	13	0.61
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	6	0.61
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	20	0.61
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	4	0.61
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	10	0.61
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	14	0.61
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	15	0.61
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD22	10	0.61
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD23	14	0.61
(1,441)	1:66:A:ALA:HB1	1:44:A:TYR:HB2	10	0.61
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	12	0.61
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	17	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	20	0.61
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	1	0.61
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	20	0.61
(1,422)	1:168:A:ILE:HD13	1:233:A:LYS:HE2	4	0.61
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE2	10	0.61
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	11	0.61
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	9	0.61
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	20	0.61
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	1	0.61
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	18	0.61
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	5	0.61
(1,370)	1:69:A:LYS:HE2	1:69:A:LYS:HD3	17	0.61
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	6	0.61
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	14	0.61
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	1	0.61
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG21	3	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	2	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	4	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	5	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	13	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	14	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	15	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	16	0.61
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	20	0.61
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	4	0.61
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	14	0.61
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	7	0.61
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	18	0.61
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD11	12	0.61
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG21	17	0.61
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	2	0.61
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	4	0.61
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	9	0.61
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	18	0.61
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	20	0.61
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	15	0.61
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	10	0.6
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	12	0.6
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	13	0.6
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	17	0.6
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	12	0.6
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	3	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	4	0.6
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	14	0.6
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	13	0.6
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB2	2	0.6
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB2	5	0.6
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	6	0.6
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	11	0.6
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB1	15	0.6
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB1	18	0.6
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	4	0.6
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD22	12	0.6
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	13	0.6
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	7	0.6
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	8	0.6
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	11	0.6
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	1	0.6
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG23	9	0.6
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	14	0.6
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	17	0.6
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	19	0.6
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	7	0.6
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	18	0.6
(1,4625)	1:132:A:TYR:H	1:130:A:ALA:HB3	15	0.6
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	13	0.6
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	13	0.6
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	15	0.6
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	5	0.6
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	15	0.6
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	16	0.6
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD13	16	0.6
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	20	0.6
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	5	0.6
(1,4412)	1:245:A:PHE:HD1	1:212:A:PRO:HB2	8	0.6
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	1	0.6
(1,4334)	1:182:A:GLN:HG2	1:182:A:GLN:HE22	16	0.6
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	16	0.6
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	19	0.6
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	11	0.6
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	3	0.6
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	6	0.6
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	10	0.6
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	5	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	3	0.6
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	6	0.6
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	19	0.6
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	5	0.6
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	9	0.6
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	19	0.6
(1,3891)	1:62:A:LEU:HD13	1:44:A:TYR:HD2	14	0.6
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	20	0.6
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD12	1	0.6
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	15	0.6
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	5	0.6
(1,3800)	1:62:A:LEU:HD21	1:62:A:LEU:HA	18	0.6
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	1	0.6
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	3	0.6
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	6	0.6
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG23	16	0.6
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE3	2	0.6
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE2	10	0.6
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	1	0.6
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	13	0.6
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	20	0.6
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	6	0.6
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	9	0.6
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG21	7	0.6
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG22	20	0.6
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	5	0.6
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	4	0.6
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	16	0.6
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	20	0.6
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	11	0.6
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	20	0.6
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB2	2	0.6
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	10	0.6
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	12	0.6
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	19	0.6
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	9	0.6
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	14	0.6
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	2	0.6
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	16	0.6
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	20	0.6
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	4	0.6
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	3	0.6
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	6	0.6
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	12	0.6
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	13	0.6
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	19	0.6
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	2	0.6
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	15	0.6
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	14	0.6
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	18	0.6
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	17	0.6
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	16	0.6
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	18	0.6
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	20	0.6
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	3	0.6
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	6	0.6
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	15	0.6
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	17	0.6
(1,2630)	1:124:A:LEU:HD12	1:126:A:GLN:HE21	18	0.6
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	14	0.6
(1,2578)	1:235:A:LEU:HD11	1:233:A:LYS:H	2	0.6
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	9	0.6
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	16	0.6
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	9	0.6
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	4	0.6
(1,2452)	1:175:A:LEU:HD22	1:199:A:LEU:H	20	0.6
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD13	2	0.6
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	5	0.6
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD11	20	0.6
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD13	7	0.6
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	11	0.6
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	12	0.6
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	13	0.6
(1,2266)	1:96:A:THR:HG22	1:99:A:ALA:H	12	0.6
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	14	0.6
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	7	0.6
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	9	0.6
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	18	0.6
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	17	0.6
(1,1979)	1:87:A:LEU:HD11	1:84:A:PRO:HD3	6	0.6
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	11	0.6
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	9	0.6
(1,1735)	1:33:A:MET:HE3	1:61:A:LEU:H	8	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	6	0.6
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	6	0.6
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG22	11	0.6
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD23	10	0.6
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD22	12	0.6
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	3	0.6
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	4	0.6
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	10	0.6
(1,1468)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	6	0.6
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	1	0.6
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	8	0.6
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	11	0.6
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	13	0.6
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	3	0.6
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	16	0.6
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG21	20	0.6
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	11	0.6
(1,1116)	1:192:A:GLU:H	1:191:A:ASP:HB3	7	0.6
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	10	0.6
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	16	0.6
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD12	1	0.6
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	7	0.6
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	15	0.6
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	6	0.6
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	8	0.6
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG12	1	0.6
(1,768)	1:203:A:ARG:HA	1:204:A:VAL:HG13	8	0.6
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	14	0.6
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD21	19	0.6
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD12	20	0.6
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	1	0.6
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	2	0.6
(1,494)	1:185:A:THR:HG22	1:186:A:LEU:HG	8	0.6
(1,494)	1:185:A:THR:HG22	1:186:A:LEU:HG	13	0.6
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	5	0.6
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	18	0.6
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	19	0.6
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	20	0.6
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	3	0.6
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	7	0.6
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	17	0.6
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD22	15	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	7	0.6
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	10	0.6
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	6	0.6
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	10	0.6
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD11	10	0.6
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	6	0.6
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	19	0.6
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD12	11	0.6
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	10	0.6
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	12	0.6
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	10	0.6
(1,328)	1:136:A:LYS:HG2	1:137:A:ILE:H	18	0.6
(1,301)	1:92:A:ARG:HB2	1:90:A:ALA:H	9	0.6
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	9	0.6
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG23	12	0.6
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	9	0.6
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	17	0.6
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	8	0.6
(1,246)	1:76:A:ALA:HA	1:77:A:VAL:HA	15	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG21	2	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	4	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG21	5	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	8	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG21	11	0.6
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	20	0.6
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	8	0.59
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	10	0.59
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	6	0.59
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	11	0.59
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	19	0.59
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD12	9	0.59
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB2	3	0.59
(1,5628)	1:146:A:ILE:H	1:174:A:ALA:HB3	17	0.59
(1,5414)	1:132:A:TYR:H	1:124:A:LEU:HD23	5	0.59
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	8	0.59
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	19	0.59
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	16	0.59
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB2	14	0.59
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	8	0.59
(1,5015)	1:241:A:ASN:H	1:241:A:ASN:HD22	8	0.59
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	3	0.59
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	17	0.59
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG21	20	0.59
(1,4788)	1:148:A:LEU:H	1:148:A:LEU:HD13	5	0.59
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	3	0.59
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	19	0.59
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	16	0.59
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	17	0.59
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	19	0.59
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	7	0.59
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	9	0.59
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	13	0.59
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	8	0.59
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	12	0.59
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	7	0.59
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	18	0.59
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	10	0.59
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	18	0.59
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	3	0.59
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	4	0.59
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	13	0.59
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	6	0.59
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	7	0.59
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	1	0.59
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	4	0.59
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	10	0.59
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	2	0.59
(1,4241)	1:201:A:LEU:HD13	1:222:A:TRP:H	8	0.59
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	11	0.59
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	13	0.59
(1,4241)	1:201:A:LEU:HD13	1:222:A:TRP:H	20	0.59
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	6	0.59
(1,4176)	1:159:A:LEU:HD23	1:164:A:LYS:HE2	7	0.59
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	9	0.59
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	2	0.59
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	3	0.59
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	9	0.59
(1,3997)	1:240:A:VAL:HG13	1:237:A:THR:HB	9	0.59
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	15	0.59
(1,3924)	1:188:A:ILE:HD13	1:149:A:LEU:HD12	6	0.59
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	13	0.59
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	9	0.59
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD13	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	12	0.59
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	16	0.59
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	7	0.59
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	8	0.59
(1,3800)	1:62:A:LEU:HD21	1:62:A:LEU:HA	19	0.59
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	8	0.59
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	13	0.59
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	14	0.59
(1,3713)	1:57:A:ILE:HG23	1:59:A:TRP:H	15	0.59
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	19	0.59
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE2	18	0.59
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	8	0.59
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	2	0.59
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	11	0.59
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	14	0.59
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	20	0.59
(1,3557)	1:17:A:ARG:HG3	1:17:A:ARG:HA	18	0.59
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	4	0.59
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	5	0.59
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	6	0.59
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	11	0.59
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	13	0.59
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	14	0.59
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	15	0.59
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	3	0.59
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	4	0.59
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	11	0.59
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	19	0.59
(1,3304)	1:74:A:GLY:HA3	1:73:A:THR:HG23	12	0.59
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	4	0.59
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	17	0.59
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	8	0.59
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD12	12	0.59
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	14	0.59
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD12	17	0.59
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	18	0.59
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	9	0.59
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	3	0.59
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB2	9	0.59
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	20	0.59
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	3	0.59
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	4	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:83:A:LEU:HD23	1:80:A:PHE:H	6	0.59
(1,2947)	1:83:A:LEU:HD23	1:80:A:PHE:H	13	0.59
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	14	0.59
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	2	0.59
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	5	0.59
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	7	0.59
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	8	0.59
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	1	0.59
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	3	0.59
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	9	0.59
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	10	0.59
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	16	0.59
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	18	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	4	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG22	5	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	7	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG22	14	0.59
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	17	0.59
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB3	15	0.59
(1,2771)	1:235:A:LEU:HD21	1:222:A:TRP:HZ2	1	0.59
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	3	0.59
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	12	0.59
(1,2706)	1:194:A:ILE:HD13	1:196:A:GLN:HE22	14	0.59
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	17	0.59
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	18	0.59
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	20	0.59
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	4	0.59
(1,2630)	1:124:A:LEU:HD12	1:126:A:GLN:HE21	16	0.59
(1,2630)	1:124:A:LEU:HD12	1:126:A:GLN:HE21	19	0.59
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	15	0.59
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	17	0.59
(1,2602)	1:116:A:LEU:HD11	1:100:A:VAL:HA	19	0.59
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	3	0.59
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	15	0.59
(1,2578)	1:235:A:LEU:HD11	1:233:A:LYS:H	19	0.59
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	8	0.59
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	5	0.59
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	12	0.59
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	15	0.59
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	16	0.59
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	18	0.59
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	2	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	9	0.59
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	18	0.59
(1,2356)	1:242:A:VAL:HG12	1:243:A:LYS:HB2	19	0.59
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	20	0.59
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	13	0.59
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	3	0.59
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	17	0.59
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	4	0.59
(1,2226)	1:55:A:THR:HG23	1:58:A:ASN:HB2	8	0.59
(1,2131)	1:153:A:ILE:HG21	1:154:A:ALA:HB3	6	0.59
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB2	16	0.59
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	7	0.59
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	12	0.59
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	14	0.59
(1,1735)	1:33:A:MET:HE3	1:61:A:LEU:H	3	0.59
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	16	0.59
(1,1702)	1:139:A:ALA:HB1	1:116:A:LEU:HD11	7	0.59
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD13	9	0.59
(1,1693)	1:219:A:ILE:HG22	1:235:A:LEU:HA	1	0.59
(1,1693)	1:219:A:ILE:HG23	1:235:A:LEU:HA	16	0.59
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD22	8	0.59
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	6	0.59
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB2	17	0.59
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	12	0.59
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	17	0.59
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	18	0.59
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	2	0.59
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	5	0.59
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	13	0.59
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	16	0.59
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	20	0.59
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	12	0.59
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG21	17	0.59
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	15	0.59
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	17	0.59
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	7	0.59
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	8	0.59
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	4	0.59
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	10	0.59
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	16	0.59
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	4	0.59
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	10	0.59
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	13	0.59
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	20	0.59
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	7	0.59
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	7	0.59
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	12	0.59
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	10	0.59
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	19	0.59
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	4	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	8	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	9	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	13	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	16	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	18	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	19	0.59
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	20	0.59
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD13	8	0.59
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD13	20	0.59
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	6	0.59
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	12	0.59
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG23	13	0.59
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD11	18	0.59
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG22	3	0.59
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG22	19	0.59
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	6	0.59
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	13	0.59
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	13	0.59
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	20	0.59
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	3	0.59
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD11	7	0.59
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG22	7	0.59
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD23	12	0.58
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	13	0.58
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	15	0.58
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	19	0.58
(1,5429)	1:90:A:ALA:H	1:89:A:ASP:HB3	1	0.58
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	10	0.58
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	12	0.58
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE2	6	0.58
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	18	0.58
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	19	0.58
(1,4867)	1:245:A:PHE:H	1:242:A:VAL:HG22	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	14	0.58
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	15	0.58
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	7	0.58
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	17	0.58
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	20	0.58
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	8	0.58
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	5	0.58
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	6	0.58
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD12	20	0.58
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	11	0.58
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	16	0.58
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	17	0.58
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	7	0.58
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	15	0.58
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	10	0.58
(1,4241)	1:201:A:LEU:HD13	1:222:A:TRP:H	12	0.58
(1,4106)	1:151:A:ALA:HB3	1:136:A:LYS:HE2	8	0.58
(1,3992)	1:96:A:THR:HB	1:119:A:ILE:HG22	12	0.58
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	18	0.58
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD22	1	0.58
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	4	0.58
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG12	4	0.58
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	11	0.58
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG11	16	0.58
(1,3924)	1:188:A:ILE:HD12	1:149:A:LEU:HD13	20	0.58
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	9	0.58
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	19	0.58
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	5	0.58
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	14	0.58
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	9	0.58
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	11	0.58
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	20	0.58
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG23	19	0.58
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG23	8	0.58
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	4	0.58
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	5	0.58
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	16	0.58
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	20	0.58
(1,3573)	1:195:A:LEU:HD23	1:196:A:GLN:H	15	0.58
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	16	0.58
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	17	0.58
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	18	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	8	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	7	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	9	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	10	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	12	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	15	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	16	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	17	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	18	0.58
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	19	0.58
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	20	0.58
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB2	5	0.58
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	8	0.58
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	4	0.58
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	5	0.58
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	12	0.58
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	16	0.58
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	15	0.58
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	2	0.58
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	2	0.58
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	12	0.58
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	7	0.58
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	9	0.58
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	5	0.58
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD13	15	0.58
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	20	0.58
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	6	0.58
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	7	0.58
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	17	0.58
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	5	0.58
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	7	0.58
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	4	0.58
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD21	9	0.58
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD21	13	0.58
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	13	0.58
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	14	0.58
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	1	0.58
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG22	11	0.58
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG22	16	0.58
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	18	0.58
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	20	0.58
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB2	4	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2771)	1:235:A:LEU:HD23	1:222:A:TRP:HZ2	16	0.58
(1,2771)	1:235:A:LEU:HD22	1:222:A:TRP:HZ2	18	0.58
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	5	0.58
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	7	0.58
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	20	0.58
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	8	0.58
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	2	0.58
(1,2699)	1:102:A:ILE:HD13	1:80:A:PHE:HZ	8	0.58
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	4	0.58
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	2	0.58
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	8	0.58
(1,2666)	1:138:A:ASP:H	1:139:A:ALA:HB3	8	0.58
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	6	0.58
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	2	0.58
(1,2602)	1:116:A:LEU:HD11	1:100:A:VAL:HA	4	0.58
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	6	0.58
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	9	0.58
(1,2602)	1:116:A:LEU:HD11	1:100:A:VAL:HA	11	0.58
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	20	0.58
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	6	0.58
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	1	0.58
(1,2578)	1:235:A:LEU:HD11	1:233:A:LYS:H	18	0.58
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	3	0.58
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	18	0.58
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	13	0.58
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	19	0.58
(1,2449)	1:175:A:LEU:HD22	1:198:A:TRP:HD1	3	0.58
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	7	0.58
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	17	0.58
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	13	0.58
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	11	0.58
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	1	0.58
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	7	0.58
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	9	0.58
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	16	0.58
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD11	18	0.58
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	15	0.58
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	5	0.58
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB3	4	0.58
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	1	0.58
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	6	0.58
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:168:A:ILE:HD13	1:167:A:ASN:HB3	19	0.58
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	6	0.58
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	16	0.58
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	19	0.58
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	14	0.58
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	18	0.58
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	19	0.58
(1,1693)	1:219:A:ILE:HG21	1:235:A:LEU:HA	11	0.58
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	7	0.58
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	12	0.58
(1,1668)	1:31:A:ALA:HB2	1:30:A:THR:H	17	0.58
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG23	5	0.58
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD23	2	0.58
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD21	3	0.58
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD23	9	0.58
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD22	13	0.58
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD23	17	0.58
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD23	18	0.58
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	12	0.58
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	18	0.58
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	11	0.58
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB3	12	0.58
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	1	0.58
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	7	0.58
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	15	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	1	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	2	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	4	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	5	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	7	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	8	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	11	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	12	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	17	0.58
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	19	0.58
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	2	0.58
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	9	0.58
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	12	0.58
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	14	0.58
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	19	0.58
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	20	0.58
(1,1086)	1:123:A:ASP:HB2	1:124:A:LEU:HD23	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	4	0.58
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD22	14	0.58
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	10	0.58
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	6	0.58
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	17	0.58
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	2	0.58
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	14	0.58
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	19	0.58
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	15	0.58
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	1	0.58
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	4	0.58
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	6	0.58
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	2	0.58
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	7	0.58
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	8	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	1	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	2	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	6	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	10	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	11	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	14	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	15	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	16	0.58
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	17	0.58
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	12	0.58
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	3	0.58
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	8	0.58
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	9	0.58
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	13	0.58
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	10	0.58
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	17	0.58
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	1	0.58
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	6	0.58
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	11	0.58
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	12	0.58
(1,464)	1:33:A:MET:HE2	1:62:A:LEU:HD13	12	0.58
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	11	0.58
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	8	0.58
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG22	16	0.58
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	3	0.58
(1,423)	1:102:A:ILE:HD13	1:64:A:ILE:HB	19	0.58
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	18	0.58
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	9	0.58
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	2	0.58
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	2	0.58
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	15	0.58
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	15	0.58
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	20	0.58
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	13	0.58
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	18	0.58
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	1	0.58
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	18	0.58
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	16	0.57
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	19	0.57
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	19	0.57
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	3	0.57
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	10	0.57
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB2	3	0.57
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	15	0.57
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	13	0.57
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	11	0.57
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	20	0.57
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	9	0.57
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	12	0.57
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	20	0.57
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	9	0.57
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	10	0.57
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	3	0.57
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	19	0.57
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	9	0.57
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	10	0.57
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	11	0.57
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	18	0.57
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	1	0.57
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	12	0.57
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	16	0.57
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	18	0.57
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	20	0.57
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	9	0.57
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD11	2	0.57
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	6	0.57
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD13	13	0.57
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	16	0.57
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	12	0.57
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	16	0.57
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	1	0.57
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	4	0.57
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	8	0.57
(1,4253)	1:204:A:VAL:HG12	1:203:A:ARG:H	15	0.57
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	5	0.57
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	9	0.57
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	16	0.57
(1,4241)	1:201:A:LEU:HD13	1:222:A:TRP:H	4	0.57
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	16	0.57
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	19	0.57
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	15	0.57
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	8	0.57
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	11	0.57
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	9	0.57
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	11	0.57
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	3	0.57
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	18	0.57
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD12	3	0.57
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	9	0.57
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	10	0.57
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	4	0.57
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	6	0.57
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	9	0.57
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	11	0.57
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	5	0.57
(1,3713)	1:57:A:ILE:HG23	1:59:A:TRP:H	8	0.57
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG21	5	0.57
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG22	6	0.57
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE2	13	0.57
(1,3636)	1:45:A:LEU:HD21	1:48:A:MET:HE1	16	0.57
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	10	0.57
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	11	0.57
(1,3596)	1:152:A:LEU:HD23	1:149:A:LEU:H	13	0.57
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	9	0.57
(1,3573)	1:195:A:LEU:HD23	1:196:A:GLN:H	5	0.57
(1,3573)	1:195:A:LEU:HD23	1:196:A:GLN:H	7	0.57
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	4	0.57
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	1	0.57
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	11	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	13	0.57
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	3	0.57
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	2	0.57
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB2	18	0.57
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	2	0.57
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG22	10	0.57
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	15	0.57
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	4	0.57
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD11	8	0.57
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	13	0.57
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	3	0.57
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD11	5	0.57
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	4	0.57
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	5	0.57
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	17	0.57
(1,3031)	1:232:A:ALA:HB3	1:223:A:GLN:HB3	2	0.57
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB3	4	0.57
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	10	0.57
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	19	0.57
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	2	0.57
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	15	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	10	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD21	11	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	14	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	18	0.57
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	19	0.57
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	8	0.57
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	15	0.57
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	7	0.57
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	8	0.57
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG23	9	0.57
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	10	0.57
(1,2819)	1:168:A:ILE:HG12	1:168:A:ILE:HG21	15	0.57
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	1	0.57
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	4	0.57
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	8	0.57
(1,2769)	1:239:A:LEU:HD12	1:239:A:LEU:HA	13	0.57
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	13	0.57
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	18	0.57
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	4	0.57
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	8	0.57
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	4	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	8	0.57
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	9	0.57
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	1	0.57
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	2	0.57
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	3	0.57
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	7	0.57
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	10	0.57
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	12	0.57
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	13	0.57
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	14	0.57
(1,2584)	1:235:A:LEU:HD12	1:223:A:GLN:H	18	0.57
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	2	0.57
(1,2452)	1:175:A:LEU:HD22	1:199:A:LEU:H	3	0.57
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	8	0.57
(1,2452)	1:175:A:LEU:HD23	1:199:A:LEU:H	9	0.57
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	8	0.57
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	9	0.57
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	18	0.57
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	6	0.57
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	13	0.57
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	6	0.57
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	6	0.57
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	9	0.57
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	14	0.57
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	6	0.57
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	9	0.57
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD11	19	0.57
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	17	0.57
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	8	0.57
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	10	0.57
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	19	0.57
(1,2131)	1:153:A:ILE:HG23	1:154:A:ALA:HB1	9	0.57
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	4	0.57
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	8	0.57
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	14	0.57
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	16	0.57
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	9	0.57
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG23	17	0.57
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	8	0.57
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	16	0.57
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	16	0.57
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	1	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	4	0.57
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	9	0.57
(1,1735)	1:33:A:MET:HE3	1:61:A:LEU:H	20	0.57
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	16	0.57
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD21	4	0.57
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD23	5	0.57
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD23	20	0.57
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	5	0.57
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	9	0.57
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	13	0.57
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	16	0.57
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	19	0.57
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	4	0.57
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	14	0.57
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	5	0.57
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	15	0.57
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	20	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	3	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	6	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	9	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	10	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	13	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	14	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	16	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	18	0.57
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	20	0.57
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	14	0.57
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	14	0.57
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	7	0.57
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	18	0.57
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	5	0.57
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	12	0.57
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	18	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	3	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	7	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	12	0.57
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	18	0.57
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD21	9	0.57
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	20	0.57
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD13	4	0.57
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	5	0.57
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	15	0.57
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	16	0.57
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	17	0.57
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	9	0.57
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	13	0.57
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	6	0.57
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	18	0.57
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	5	0.57
(1,467)	1:100:A:VAL:HA	1:99:A:ALA:H	5	0.57
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	2	0.57
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	10	0.57
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	8	0.57
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	17	0.57
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	20	0.57
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	7	0.57
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	5	0.57
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	10	0.57
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	4	0.57
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	10	0.57
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	19	0.57
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	3	0.57
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG23	20	0.57
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	10	0.57
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	11	0.57
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	13	0.57
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	2	0.56
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD23	7	0.56
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD23	15	0.56
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	17	0.56
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	3	0.56
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD13	6	0.56
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	15	0.56
(1,5791)	1:137:A:ILE:H	1:148:A:LEU:HD11	18	0.56
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	13	0.56
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD12	16	0.56
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	9	0.56
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	19	0.56
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	20	0.56
(1,5430)	1:192:A:GLU:H	1:189:A:ASN:HB2	7	0.56
(1,5071)	1:209:A:ARG:H	1:215:A:MET:HE1	18	0.56
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	11	0.56
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	2	0.56
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	6	0.56
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	12	0.56
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	6	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	2	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	4	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	5	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	6	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	7	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	8	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	11	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	12	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	14	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	15	0.56
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	17	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	1	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	2	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG22	4	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	6	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	13	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG22	17	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	19	0.56
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG22	20	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG22	4	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG22	5	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG23	6	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	8	0.56
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	18	0.56
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	6	0.56
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD12	8	0.56
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD12	12	0.56
(1,4457)	1:222:A:TRP:HD1	1:201:A:LEU:HD13	18	0.56
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	1	0.56
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	3	0.56
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	6	0.56
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	8	0.56
(1,4337)	1:178:A:MET:HG3	1:182:A:GLN:HE22	9	0.56
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	4	0.56
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	9	0.56
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	1	0.56
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	19	0.56
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	12	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	14	0.56
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	17	0.56
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	20	0.56
(1,4253)	1:204:A:VAL:HG12	1:203:A:ARG:H	1	0.56
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	16	0.56
(1,4253)	1:204:A:VAL:HG12	1:203:A:ARG:H	20	0.56
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	4	0.56
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	7	0.56
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	10	0.56
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	14	0.56
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	5	0.56
(1,4241)	1:201:A:LEU:HD12	1:222:A:TRP:H	7	0.56
(1,4241)	1:201:A:LEU:HD13	1:222:A:TRP:H	17	0.56
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	12	0.56
(1,4176)	1:159:A:LEU:HD22	1:164:A:LYS:HE2	10	0.56
(1,4106)	1:151:A:ALA:HB1	1:136:A:LYS:HE2	18	0.56
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	1	0.56
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	8	0.56
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	12	0.56
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	18	0.56
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	3	0.56
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	9	0.56
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	5	0.56
(1,3944)	1:95:A:LYS:HE3	1:95:A:LYS:H	6	0.56
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG12	1	0.56
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG13	8	0.56
(1,3926)	1:149:A:LEU:HD11	1:150:A:ARG:HD2	14	0.56
(1,3925)	1:149:A:LEU:HD21	1:147:A:ASP:HA	5	0.56
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	12	0.56
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE1	17	0.56
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	8	0.56
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	19	0.56
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	14	0.56
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	7	0.56
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG23	8	0.56
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG21	11	0.56
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG21	9	0.56
(1,3658)	1:195:A:LEU:HD11	1:194:A:ILE:HG22	13	0.56
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	17	0.56
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	15	0.56
(1,3596)	1:152:A:LEU:HD23	1:149:A:LEU:H	19	0.56
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	6	0.56
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	8	0.56
(1,3573)	1:195:A:LEU:HD21	1:196:A:GLN:H	9	0.56
(1,3535)	1:180:A:GLN:HB3	1:181:A:GLU:HG3	9	0.56
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD12	12	0.56
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	7	0.56
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	12	0.56
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	10	0.56
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	8	0.56
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	11	0.56
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	13	0.56
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	14	0.56
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	18	0.56
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	6	0.56
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	7	0.56
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	19	0.56
(1,3027)	1:232:A:ALA:HB1	1:228:A:ASN:H	16	0.56
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	3	0.56
(1,2947)	1:83:A:LEU:HD23	1:80:A:PHE:H	9	0.56
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	10	0.56
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	18	0.56
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD21	1	0.56
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	15	0.56
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	17	0.56
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD22	20	0.56
(1,2918)	1:83:A:LEU:HD12	1:98:A:LEU:H	2	0.56
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	7	0.56
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	12	0.56
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	15	0.56
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	17	0.56
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	2	0.56
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	19	0.56
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	9	0.56
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	11	0.56
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	19	0.56
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	3	0.56
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	8	0.56
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	5	0.56
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	8	0.56
(1,2602)	1:116:A:LEU:HD12	1:100:A:VAL:HA	18	0.56
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	11	0.56
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	16	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	4	0.56
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	7	0.56
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	12	0.56
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	4	0.56
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	6	0.56
(1,2452)	1:175:A:LEU:HD21	1:199:A:LEU:H	7	0.56
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	10	0.56
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	15	0.56
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	15	0.56
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	1	0.56
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	4	0.56
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	7	0.56
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	15	0.56
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	11	0.56
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	6	0.56
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	5	0.56
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	10	0.56
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	13	0.56
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	2	0.56
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	11	0.56
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	16	0.56
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	16	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG23	4	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	5	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	7	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG23	10	0.56
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	11	0.56
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	4	0.56
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	2	0.56
(1,1735)	1:33:A:MET:HE3	1:61:A:LEU:H	5	0.56
(1,1668)	1:31:A:ALA:HB2	1:30:A:THR:H	3	0.56
(1,1668)	1:31:A:ALA:HB2	1:30:A:THR:H	4	0.56
(1,1668)	1:31:A:ALA:HB1	1:30:A:THR:H	8	0.56
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	6	0.56
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD21	6	0.56
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD22	19	0.56
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	3	0.56
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	19	0.56
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	9	0.56
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB2	10	0.56
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	14	0.56
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	12	0.56
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	12	0.56
(1,1224)	1:141:A:GLN:HG3	1:141:A:GLN:HE22	15	0.56
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	16	0.56
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	1	0.56
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	8	0.56
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	9	0.56
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	13	0.56
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	4	0.56
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	20	0.56
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD23	5	0.56
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	18	0.56
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	9	0.56
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	1	0.56
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG21	9	0.56
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	11	0.56
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	17	0.56
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	20	0.56
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	2	0.56
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	8	0.56
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	11	0.56
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	19	0.56
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	20	0.56
(1,553)	1:205:A:TRP:HD1	1:209:A:ARG:HB3	8	0.56
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	17	0.56
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	15	0.56
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	4	0.56
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	8	0.56
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	20	0.56
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	1	0.56
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	9	0.56
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	7	0.56
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	15	0.56
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	2	0.56
(1,423)	1:102:A:ILE:HD12	1:64:A:ILE:HB	2	0.56
(1,423)	1:102:A:ILE:HD11	1:64:A:ILE:HB	11	0.56
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	11	0.56
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	7	0.56
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	12	0.56
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	14	0.56
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	1	0.56
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	4	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:215:A:MET:HG2	1:242:A:VAL:HG23	14	0.56
(1,339)	1:137:A:ILE:HG21	1:140:A:SER:HB2	12	0.56
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	2	0.56
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	18	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	1	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	9	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	14	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	16	0.56
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD11	20	0.56
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	9	0.56
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	17	0.56
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	14	0.56
(1,215)	1:96:A:THR:HA	1:100:A:VAL:HG23	19	0.56
(1,5851)	1:178:A:MET:H	1:202:A:GLN:HE22	14	0.55
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	6	0.55
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	12	0.55
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	7	0.55
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	9	0.55
(1,5227)	1:184:A:ASN:H	1:184:A:ASN:HD22	18	0.55
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG13	8	0.55
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	19	0.55
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	2	0.55
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	7	0.55
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	8	0.55
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	14	0.55
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB2	5	0.55
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	16	0.55
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB2	17	0.55
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	12	0.55
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD23	14	0.55
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	17	0.55
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	2	0.55
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD12	4	0.55
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	6	0.55
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD12	8	0.55
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD12	12	0.55
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	13	0.55
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD12	20	0.55
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	1	0.55
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	10	0.55
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	13	0.55
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	7	0.55
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG22	8	0.55
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG23	12	0.55
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG21	16	0.55
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	3	0.55
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	5	0.55
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG22	2	0.55
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG22	9	0.55
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	15	0.55
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	1	0.55
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	5	0.55
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	2	0.55
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	20	0.55
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	15	0.55
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	5	0.55
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	12	0.55
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	13	0.55
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	19	0.55
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	6	0.55
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD12	10	0.55
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	20	0.55
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	18	0.55
(1,4253)	1:204:A:VAL:HG11	1:203:A:ARG:H	4	0.55
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	5	0.55
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	6	0.55
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	9	0.55
(1,4251)	1:235:A:LEU:HD12	1:222:A:TRP:HH2	12	0.55
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	3	0.55
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	14	0.55
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	8	0.55
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	20	0.55
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	10	0.55
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	3	0.55
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	9	0.55
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	20	0.55
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	8	0.55
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	12	0.55
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	15	0.55
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	20	0.55
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	9	0.55
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	9	0.55
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	17	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	1	0.55
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	10	0.55
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	16	0.55
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG13	15	0.55
(1,3925)	1:149:A:LEU:HD23	1:147:A:ASP:HA	7	0.55
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD13	12	0.55
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD11	14	0.55
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD13	20	0.55
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	3	0.55
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	20	0.55
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	13	0.55
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	2	0.55
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB1	3	0.55
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	5	0.55
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	12	0.55
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	20	0.55
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG22	7	0.55
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE3	5	0.55
(1,3636)	1:45:A:LEU:HD23	1:48:A:MET:HE1	8	0.55
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	6	0.55
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	14	0.55
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	1	0.55
(1,3573)	1:195:A:LEU:HD23	1:196:A:GLN:H	12	0.55
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	10	0.55
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	2	0.55
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	6	0.55
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	10	0.55
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	13	0.55
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	15	0.55
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	20	0.55
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	16	0.55
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	10	0.55
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	4	0.55
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	7	0.55
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	3	0.55
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG23	20	0.55
(1,3097)	1:230:A:PRO:HA	1:194:A:ILE:HD13	11	0.55
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	8	0.55
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	3	0.55
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	17	0.55
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	1	0.55
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	15	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	12	0.55
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	17	0.55
(1,2946)	1:83:A:LEU:HD22	1:64:A:ILE:H	19	0.55
(1,2944)	1:83:A:LEU:H	1:83:A:LEU:HD23	3	0.55
(1,2918)	1:83:A:LEU:HD11	1:98:A:LEU:H	17	0.55
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	15	0.55
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	1	0.55
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	3	0.55
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	13	0.55
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	3	0.55
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	19	0.55
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	7	0.55
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	6	0.55
(1,2630)	1:124:A:LEU:HD12	1:126:A:GLN:HE21	12	0.55
(1,2602)	1:116:A:LEU:HD13	1:100:A:VAL:HA	16	0.55
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	9	0.55
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	10	0.55
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	15	0.55
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	16	0.55
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	6	0.55
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	20	0.55
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	6	0.55
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	5	0.55
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	8	0.55
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	19	0.55
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	11	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	11	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	12	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	14	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	15	0.55
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	18	0.55
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	1	0.55
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	16	0.55
(1,2302)	1:138:A:ASP:H	1:137:A:ILE:HD12	14	0.55
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	6	0.55
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	15	0.55
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	20	0.55
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	3	0.55
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	6	0.55
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	8	0.55
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	19	0.55
(1,1991)	1:168:A:ILE:HD12	1:231:A:GLY:HA3	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	1	0.55
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	3	0.55
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	8	0.55
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG23	12	0.55
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	17	0.55
(1,1668)	1:31:A:ALA:HB3	1:30:A:THR:H	9	0.55
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	15	0.55
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD22	1	0.55
(1,1630)	1:201:A:LEU:HD21	1:235:A:LEU:HD23	11	0.55
(1,1630)	1:201:A:LEU:HD22	1:235:A:LEU:HD22	15	0.55
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	13	0.55
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	20	0.55
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB1	13	0.55
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	14	0.55
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	10	0.55
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	20	0.55
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	4	0.55
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	11	0.55
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	17	0.55
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	20	0.55
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	11	0.55
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	13	0.55
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG21	8	0.55
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	10	0.55
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	13	0.55
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	2	0.55
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	8	0.55
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	16	0.55
(1,1044)	1:97:A:LEU:HB2	1:124:A:LEU:HD21	13	0.55
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD12	12	0.55
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	11	0.55
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	8	0.55
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG23	13	0.55
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	15	0.55
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	19	0.55
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	10	0.55
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	3	0.55
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	5	0.55
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	9	0.55
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	12	0.55
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	14	0.55
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	9	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	12	0.55
(1,492)	1:136:A:LYS:HG2	1:116:A:LEU:H	3	0.55
(1,487)	1:143:A:ARG:HB2	1:143:A:ARG:HD2	7	0.55
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	1	0.55
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	2	0.55
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	5	0.55
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	10	0.55
(1,474)	1:39:A:ALA:HA	1:43:A:PHE:HB2	11	0.55
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	19	0.55
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	8	0.55
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD13	2	0.55
(1,403)	1:157:A:PRO:HD3	1:159:A:LEU:HD12	4	0.55
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	4	0.55
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	11	0.55
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	15	0.55
(1,373)	1:33:A:MET:HB3	1:62:A:LEU:HD12	15	0.55
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	1	0.55
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	9	0.55
(1,355)	1:87:A:LEU:HB3	1:92:A:ARG:HB2	18	0.55
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	3	0.55
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	12	0.55
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	3	0.55
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	6	0.55
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	11	0.55
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	5	0.55
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	8	0.55
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	11	0.55
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	15	0.55
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	16	0.55
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	17	0.55
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	2	0.55
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	5	0.55
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	8	0.55
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD13	11	0.55
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	15	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	1	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	2	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	3	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	4	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	5	0.55
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	6	0.55
(1,243)	1:17:A:ARG:HA	1:17:A:ARG:HD3	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	8	0.55
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	9	0.54
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	4	0.54
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	16	0.54
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	14	0.54
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	4	0.54
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	2	0.54
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	12	0.54
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	14	0.54
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	15	0.54
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	16	0.54
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	3	0.54
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB2	18	0.54
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	1	0.54
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	4	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	4	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB2	8	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	10	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	14	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	15	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	18	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB2	19	0.54
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB2	20	0.54
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	2	0.54
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	13	0.54
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	15	0.54
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	19	0.54
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	2	0.54
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	17	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	2	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	5	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	14	0.54
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD12	17	0.54
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	16	0.54
(1,4752)	1:180:A:GLN:H	1:180:A:GLN:HB3	18	0.54
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	10	0.54
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG21	2	0.54
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	17	0.54
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	3	0.54
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	9	0.54
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	8	0.54
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	4	0.54
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	7	0.54
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG22	15	0.54
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	3	0.54
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	15	0.54
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	12	0.54
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	11	0.54
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	14	0.54
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	9	0.54
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	10	0.54
(1,4251)	1:235:A:LEU:HD12	1:222:A:TRP:HH2	2	0.54
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	3	0.54
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	8	0.54
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	11	0.54
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	17	0.54
(1,4251)	1:235:A:LEU:HD12	1:222:A:TRP:HH2	19	0.54
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	2	0.54
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	13	0.54
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	18	0.54
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	20	0.54
(1,4242)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	10	0.54
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	12	0.54
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	18	0.54
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	1	0.54
(1,4241)	1:201:A:LEU:HD11	1:222:A:TRP:H	9	0.54
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	15	0.54
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	18	0.54
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	19	0.54
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	16	0.54
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	6	0.54
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	7	0.54
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	11	0.54
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	8	0.54
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	13	0.54
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	14	0.54
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	1	0.54
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	2	0.54
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	13	0.54
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	17	0.54
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	16	0.54
(1,3800)	1:62:A:LEU:HD21	1:62:A:LEU:HA	20	0.54
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	10	0.54
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	11	0.54
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	16	0.54
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	18	0.54
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG23	20	0.54
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG21	10	0.54
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG21	11	0.54
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG21	15	0.54
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG22	18	0.54
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	19	0.54
(1,3596)	1:152:A:LEU:HD22	1:149:A:LEU:H	2	0.54
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	7	0.54
(1,3596)	1:152:A:LEU:HD23	1:149:A:LEU:H	9	0.54
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD21	8	0.54
(1,3573)	1:195:A:LEU:HD22	1:196:A:GLN:H	10	0.54
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	3	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	1	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	3	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	4	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	7	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	8	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	9	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	12	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	16	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	17	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	18	0.54
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	19	0.54
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	19	0.54
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	6	0.54
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB2	19	0.54
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	3	0.54
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	1	0.54
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	8	0.54
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	12	0.54
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	20	0.54
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	16	0.54
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	8	0.54
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	17	0.54
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	8	0.54
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	8	0.54
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	11	0.54
(1,2947)	1:83:A:LEU:HD21	1:80:A:PHE:H	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:83:A:LEU:HD22	1:80:A:PHE:H	16	0.54
(1,2946)	1:83:A:LEU:HD23	1:64:A:ILE:H	5	0.54
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	11	0.54
(1,2917)	1:124:A:LEU:HD23	1:128:A:GLN:HB2	8	0.54
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	8	0.54
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	3	0.54
(1,2707)	1:194:A:ILE:HD12	1:193:A:ASN:HD21	14	0.54
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	4	0.54
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	13	0.54
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	5	0.54
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	10	0.54
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	12	0.54
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	3	0.54
(1,2676)	1:102:A:ILE:HG23	1:80:A:PHE:HB2	7	0.54
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	9	0.54
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	13	0.54
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	18	0.54
(1,2584)	1:235:A:LEU:HD12	1:223:A:GLN:H	19	0.54
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	10	0.54
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD21	11	0.54
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	17	0.54
(1,2449)	1:175:A:LEU:HD22	1:198:A:TRP:HD1	11	0.54
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	11	0.54
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	7	0.54
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	2	0.54
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	3	0.54
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	5	0.54
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	10	0.54
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	19	0.54
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	11	0.54
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	17	0.54
(1,2119)	1:116:A:LEU:HD21	1:138:A:ASP:H	17	0.54
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	19	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	1	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	4	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	7	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	9	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	10	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	13	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	15	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	16	0.54
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	20	0.54
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	6	0.54
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	1	0.54
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG23	2	0.54
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	13	0.54
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG21	20	0.54
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	20	0.54
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	9	0.54
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	20	0.54
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	10	0.54
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	15	0.54
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD21	16	0.54
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	2	0.54
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	7	0.54
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	16	0.54
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB3	19	0.54
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	15	0.54
(1,1524)	1:136:A:LYS:HG2	1:133:A:TRP:HE3	11	0.54
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	6	0.54
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	7	0.54
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	17	0.54
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	2	0.54
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	3	0.54
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	14	0.54
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	15	0.54
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	19	0.54
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	15	0.54
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	18	0.54
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	5	0.54
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	1	0.54
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	3	0.54
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB2	4	0.54
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	6	0.54
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB3	10	0.54
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	10	0.54
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	11	0.54
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG23	12	0.54
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	10	0.54
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	2	0.54
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	3	0.54
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	7	0.54
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	3	0.54
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	18	0.54
(1,904)	1:99:A:ALA:HA	1:64:A:ILE:HG22	5	0.54
(1,701)	1:168:A:ILE:HA	1:152:A:LEU:HD22	17	0.54
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	14	0.54
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	4	0.54
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	10	0.54
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	16	0.54
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	7	0.54
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	10	0.54
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	14	0.54
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	17	0.54
(1,494)	1:185:A:THR:HG21	1:186:A:LEU:HG	3	0.54
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	11	0.54
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	13	0.54
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	15	0.54
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD11	3	0.54
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD21	13	0.54
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE2	9	0.54
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	3	0.54
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG21	6	0.54
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	17	0.54
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	16	0.54
(1,392)	1:98:A:LEU:HD13	1:65:A:ARG:HA	18	0.54
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	2	0.54
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	4	0.54
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	13	0.54
(1,371)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	15	0.54
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	7	0.54
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	5	0.54
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	9	0.54
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	8	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	1	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	4	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	7	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	13	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	14	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	19	0.54
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	20	0.54
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	3	0.54
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD11	6	0.54
(1,288)	1:216:A:LYS:HB3	1:219:A:ILE:HD12	17	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	2	0.54
(1,264)	1:233:A:LYS:HE2	1:234:A:MET:H	13	0.54
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	12	0.54
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	15	0.54
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	16	0.54
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	1	0.53
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	5	0.53
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	7	0.53
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB3	19	0.53
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	12	0.53
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	8	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD23	1	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	5	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD21	6	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	8	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	10	0.53
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD21	19	0.53
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	10	0.53
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	5	0.53
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG13	16	0.53
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	20	0.53
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	4	0.53
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	8	0.53
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	11	0.53
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	15	0.53
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	16	0.53
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	18	0.53
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	2	0.53
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	10	0.53
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	1	0.53
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	3	0.53
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB1	7	0.53
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	11	0.53
(1,4948)	1:182:A:GLN:H	1:183:A:ALA:HB3	13	0.53
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	4	0.53
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	9	0.53
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	10	0.53
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	11	0.53
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	16	0.53
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	9	0.53
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	18	0.53
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG22	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4585)	1:237:A:THR:H	1:237:A:THR:HG21	14	0.53
(1,4566)	1:206:A:PHE:HD2	1:203:A:ARG:HD3	18	0.53
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	14	0.53
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	20	0.53
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	2	0.53
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	6	0.53
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB2	20	0.53
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	10	0.53
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	8	0.53
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD12	2	0.53
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	2	0.53
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	5	0.53
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	5	0.53
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	8	0.53
(1,4253)	1:204:A:VAL:HG11	1:203:A:ARG:H	14	0.53
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	15	0.53
(1,4251)	1:235:A:LEU:HD11	1:222:A:TRP:HH2	16	0.53
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	17	0.53
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	19	0.53
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	20	0.53
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	3	0.53
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	15	0.53
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	4	0.53
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG22	5	0.53
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	10	0.53
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	12	0.53
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	12	0.53
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	18	0.53
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	3	0.53
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	7	0.53
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	14	0.53
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	13	0.53
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	18	0.53
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	20	0.53
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	14	0.53
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	17	0.53
(1,3941)	1:237:A:THR:HG22	1:241:A:ASN:HA	4	0.53
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	7	0.53
(1,3940)	1:200:A:ASP:HB3	1:204:A:VAL:HG13	20	0.53
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	6	0.53
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	9	0.53
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	10	0.53
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	12	0.53
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	15	0.53
(1,3849)	1:110:A:ALA:H	1:111:A:GLY:HA2	18	0.53
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	12	0.53
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	1	0.53
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	9	0.53
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	17	0.53
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	4	0.53
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	16	0.53
(1,3713)	1:57:A:ILE:HG22	1:59:A:TRP:H	17	0.53
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	5	0.53
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG22	4	0.53
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG21	10	0.53
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG21	12	0.53
(1,3662)	1:115:A:LEU:HD23	1:96:A:THR:HG21	13	0.53
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	1	0.53
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	3	0.53
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD13	17	0.53
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD22	7	0.53
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	2	0.53
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	16	0.53
(1,3516)	1:182:A:GLN:HG3	1:182:A:GLN:HB3	15	0.53
(1,3516)	1:182:A:GLN:HG3	1:182:A:GLN:HB3	19	0.53
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	5	0.53
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	11	0.53
(1,3487)	1:121:A:PRO:HD3	1:121:A:PRO:HB2	14	0.53
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	13	0.53
(1,3448)	1:16:A:PRO:HB2	1:16:A:PRO:HD3	2	0.53
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	16	0.53
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	12	0.53
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	9	0.53
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB2	12	0.53
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	14	0.53
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	3	0.53
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	12	0.53
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD12	18	0.53
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD23	1	0.53
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	19	0.53
(1,3056)	1:154:A:ALA:HB2	1:136:A:LYS:HE2	14	0.53
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	12	0.53
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3028)	1:226:A:TYR:H	1:232:A:ALA:HB1	12	0.53
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	1	0.53
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	5	0.53
(1,2966)	1:158:A:LEU:HD11	1:159:A:LEU:HG	14	0.53
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	12	0.53
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	4	0.53
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	8	0.53
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	18	0.53
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	1	0.53
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	5	0.53
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	7	0.53
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	9	0.53
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	11	0.53
(1,2769)	1:239:A:LEU:HD12	1:239:A:LEU:HA	16	0.53
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	6	0.53
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	9	0.53
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	9	0.53
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	10	0.53
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	12	0.53
(1,2675)	1:102:A:ILE:HG22	1:108:A:ASP:HB3	7	0.53
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	2	0.53
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	8	0.53
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	16	0.53
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	19	0.53
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	13	0.53
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	14	0.53
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	19	0.53
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	1	0.53
(1,2584)	1:235:A:LEU:HD12	1:223:A:GLN:H	2	0.53
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	7	0.53
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	7	0.53
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	15	0.53
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	17	0.53
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	7	0.53
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	1	0.53
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	11	0.53
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	1	0.53
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD21	3	0.53
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	7	0.53
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	4	0.53
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	16	0.53
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2449)	1:175:A:LEU:HD22	1:198:A:TRP:HD1	20	0.53
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	19	0.53
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	20	0.53
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	8	0.53
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB3	9	0.53
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	16	0.53
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB1	20	0.53
(1,2345)	1:133:A:TRP:HE1	1:158:A:LEU:HD12	8	0.53
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	9	0.53
(1,2119)	1:116:A:LEU:HD22	1:138:A:ASP:H	2	0.53
(1,2119)	1:116:A:LEU:HD23	1:138:A:ASP:H	3	0.53
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	5	0.53
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	12	0.53
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	14	0.53
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	17	0.53
(1,2034)	1:224:A:LYS:HB3	1:224:A:LYS:H	18	0.53
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	18	0.53
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	14	0.53
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	15	0.53
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	12	0.53
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	3	0.53
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	16	0.53
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	10	0.53
(1,1735)	1:33:A:MET:HE3	1:61:A:LEU:H	17	0.53
(1,1668)	1:31:A:ALA:HB2	1:30:A:THR:H	18	0.53
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG21	9	0.53
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	5	0.53
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	8	0.53
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB3	2	0.53
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB2	6	0.53
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB1	7	0.53
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	3	0.53
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	6	0.53
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	7	0.53
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	10	0.53
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	13	0.53
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	18	0.53
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	19	0.53
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	19	0.53
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	1	0.53
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	12	0.53
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG21	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	6	0.53
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	11	0.53
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	11	0.53
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	5	0.53
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	14	0.53
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	16	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	4	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	5	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	6	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	8	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	10	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	17	0.53
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	18	0.53
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	13	0.53
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	8	0.53
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	1	0.53
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	5	0.53
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	19	0.53
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	1	0.53
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD12	12	0.53
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	2	0.53
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	8	0.53
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	1	0.53
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	6	0.53
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	5	0.53
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	15	0.53
(1,494)	1:185:A:THR:HG23	1:186:A:LEU:HG	19	0.53
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	4	0.53
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	16	0.53
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	1	0.53
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	19	0.53
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	3	0.53
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG21	11	0.53
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	12	0.53
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	5	0.53
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	6	0.53
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	1	0.53
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	4	0.53
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	8	0.53
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	14	0.53
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	17	0.53
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	18	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	20	0.53
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	17	0.53
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	2	0.53
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	3	0.53
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	6	0.53
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	9	0.53
(1,291)	1:215:A:MET:HG3	1:215:A:MET:H	12	0.53
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	13	0.52
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	10	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD13	2	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	6	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD13	10	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	12	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	15	0.52
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	19	0.52
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	6	0.52
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	16	0.52
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	18	0.52
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD21	20	0.52
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB2	6	0.52
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB2	15	0.52
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	15	0.52
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	17	0.52
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	16	0.52
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD23	3	0.52
(1,4882)	1:101:A:GLU:H	1:101:A:GLU:HG3	17	0.52
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	13	0.52
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	1	0.52
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	3	0.52
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD11	7	0.52
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	3	0.52
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	20	0.52
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	7	0.52
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	16	0.52
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB2	19	0.52
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	15	0.52
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	11	0.52
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	10	0.52
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	14	0.52
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG23	20	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE2	2	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	7	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	8	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE2	11	0.52
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE2	20	0.52
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	7	0.52
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	5	0.52
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD11	8	0.52
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	9	0.52
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD13	15	0.52
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD12	18	0.52
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	16	0.52
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	1	0.52
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	20	0.52
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	7	0.52
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	15	0.52
(1,4242)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	16	0.52
(1,4242)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	17	0.52
(1,4220)	1:168:A:ILE:HD11	1:198:A:TRP:HH2	2	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	1	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	8	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	13	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	16	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	17	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	18	0.52
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	19	0.52
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	1	0.52
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	4	0.52
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	1	0.52
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD22	5	0.52
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	12	0.52
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	15	0.52
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	7	0.52
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	12	0.52
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	15	0.52
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	2	0.52
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	19	0.52
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	1	0.52
(1,3941)	1:237:A:THR:HG22	1:241:A:ASN:HA	5	0.52
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	9	0.52
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	15	0.52
(1,3925)	1:149:A:LEU:HD21	1:147:A:ASP:HA	2	0.52
(1,3925)	1:149:A:LEU:HD23	1:147:A:ASP:HA	3	0.52
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3902)	1:219:A:ILE:HG13	1:201:A:LEU:HD12	13	0.52
(1,3891)	1:62:A:LEU:HD12	1:44:A:TYR:HD2	3	0.52
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB1	10	0.52
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	8	0.52
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	9	0.52
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	17	0.52
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	7	0.52
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB1	8	0.52
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB1	13	0.52
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	14	0.52
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB3	15	0.52
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	19	0.52
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	2	0.52
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	20	0.52
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD21	18	0.52
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG23	17	0.52
(1,3658)	1:195:A:LEU:HD12	1:194:A:ILE:HG23	7	0.52
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	17	0.52
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD13	3	0.52
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD21	10	0.52
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD22	12	0.52
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	9	0.52
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	12	0.52
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	18	0.52
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	15	0.52
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	1	0.52
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	17	0.52
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG22	6	0.52
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG22	9	0.52
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	17	0.52
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG21	19	0.52
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	11	0.52
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	6	0.52
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	20	0.52
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	20	0.52
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB2	11	0.52
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	6	0.52
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	11	0.52
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	20	0.52
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	3	0.52
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD11	16	0.52
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	1	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	11	0.52
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	13	0.52
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB3	10	0.52
(1,3027)	1:232:A:ALA:HB1	1:228:A:ASN:H	14	0.52
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	8	0.52
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	16	0.52
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	11	0.52
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	3	0.52
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	5	0.52
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	14	0.52
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	20	0.52
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	4	0.52
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	6	0.52
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	12	0.52
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	14	0.52
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	17	0.52
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	11	0.52
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	6	0.52
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	7	0.52
(1,2699)	1:102:A:ILE:HD13	1:80:A:PHE:HZ	11	0.52
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	13	0.52
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	13	0.52
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	18	0.52
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	14	0.52
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	15	0.52
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	9	0.52
(1,2668)	1:174:A:ALA:HB1	1:178:A:MET:HB2	12	0.52
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	16	0.52
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	14	0.52
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	2	0.52
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	14	0.52
(1,2640)	1:124:A:LEU:HD13	1:132:A:TYR:HB2	19	0.52
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	11	0.52
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	9	0.52
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG21	1	0.52
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	3	0.52
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	11	0.52
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	14	0.52
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	4	0.52
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	8	0.52
(1,2584)	1:235:A:LEU:HD11	1:223:A:GLN:H	17	0.52
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	20	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	1	0.52
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	3	0.52
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD23	8	0.52
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	13	0.52
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD23	20	0.52
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	13	0.52
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	7	0.52
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB3	17	0.52
(1,2449)	1:175:A:LEU:HD23	1:198:A:TRP:HD1	12	0.52
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	7	0.52
(1,2267)	1:237:A:THR:HG22	1:172:A:TRP:HE1	9	0.52
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	13	0.52
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	8	0.52
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	11	0.52
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	11	0.52
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	16	0.52
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	7	0.52
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	12	0.52
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE2	9	0.52
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	2	0.52
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	11	0.52
(1,1735)	1:33:A:MET:HE1	1:61:A:LEU:H	14	0.52
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	20	0.52
(1,1710)	1:57:A:ILE:HG23	1:91:A:GLN:HE22	15	0.52
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD11	8	0.52
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	17	0.52
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	3	0.52
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	19	0.52
(1,1630)	1:201:A:LEU:HD23	1:235:A:LEU:HD22	7	0.52
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	10	0.52
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	16	0.52
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	16	0.52
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	3	0.52
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	18	0.52
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB1	1	0.52
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB2	3	0.52
(1,1570)	1:97:A:LEU:HD22	1:132:A:TYR:HB3	1	0.52
(1,1563)	1:73:A:THR:HG22	1:106:A:GLN:HE22	4	0.52
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	13	0.52
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	19	0.52
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	17	0.52
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1459)	1:159:A:LEU:HD23	1:160:A:GLY:H	20	0.52
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	1	0.52
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	8	0.52
(1,1454)	1:143:A:ARG:HG3	1:143:A:ARG:HA	16	0.52
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	1	0.52
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD13	4	0.52
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	9	0.52
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	13	0.52
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	14	0.52
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	7	0.52
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	11	0.52
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	17	0.52
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG21	4	0.52
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG23	14	0.52
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	19	0.52
(1,1142)	1:32:A:TYR:HB3	1:31:A:ALA:HB1	7	0.52
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	11	0.52
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	13	0.52
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	11	0.52
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	16	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	1	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	11	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	13	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	14	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	15	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	19	0.52
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	20	0.52
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	5	0.52
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	9	0.52
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	6	0.52
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	15	0.52
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	18	0.52
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	3	0.52
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	11	0.52
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	3	0.52
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	17	0.52
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	18	0.52
(1,647)	1:135:A:ALA:H	1:104:A:LEU:HD11	17	0.52
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD12	7	0.52
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	11	0.52
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	15	0.52
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	10	0.52
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	18	0.52
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	19	0.52
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	20	0.52
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	3	0.52
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	16	0.52
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	11	0.52
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	14	0.52
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	15	0.52
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD13	19	0.52
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	7	0.52
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG22	4	0.52
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	1	0.52
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	10	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	1	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	2	0.52
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	10	0.52
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	13	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	14	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	15	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	17	0.52
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	18	0.52
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	20	0.52
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	2	0.52
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	12	0.52
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	13	0.52
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	7	0.52
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	1	0.51
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	11	0.51
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	10	0.51
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	11	0.51
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	3	0.51
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	14	0.51
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	1	0.51
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	6	0.51
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	9	0.51
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	16	0.51
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	3	0.51
(1,5369)	1:184:A:ASN:H	1:182:A:GLN:HB2	9	0.51
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	10	0.51
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD21	1	0.51
(1,4952)	1:78:A:GLU:H	1:80:A:PHE:HB2	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	1	0.51
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	5	0.51
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	9	0.51
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD23	11	0.51
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	16	0.51
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	4	0.51
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	6	0.51
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	7	0.51
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	14	0.51
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	15	0.51
(1,4709)	1:75:A:GLN:H	1:73:A:THR:HG22	5	0.51
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	6	0.51
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	14	0.51
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	17	0.51
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	1	0.51
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	7	0.51
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	14	0.51
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	16	0.51
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	10	0.51
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	15	0.51
(1,4566)	1:206:A:PHE:HD2	1:203:A:ARG:HD3	16	0.51
(1,4522)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	10	0.51
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	17	0.51
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	10	0.51
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	16	0.51
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	12	0.51
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	18	0.51
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	2	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE2	1	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	4	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	5	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	6	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	12	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	17	0.51
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE2	18	0.51
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	11	0.51
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG22	2	0.51
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG23	7	0.51
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG22	11	0.51
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG22	14	0.51
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	2	0.51
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	6	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	14	0.51
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	2	0.51
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	10	0.51
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	12	0.51
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	5	0.51
(1,4040)	1:61:A:LEU:HD11	1:62:A:LEU:H	14	0.51
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	19	0.51
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	4	0.51
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	7	0.51
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	10	0.51
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD22	19	0.51
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	14	0.51
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE1	6	0.51
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE2	19	0.51
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	20	0.51
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	4	0.51
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	13	0.51
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	14	0.51
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	12	0.51
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	16	0.51
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	4	0.51
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	11	0.51
(1,3925)	1:149:A:LEU:HD21	1:147:A:ASP:HA	19	0.51
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	5	0.51
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	8	0.51
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	2	0.51
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	13	0.51
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	10	0.51
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	9	0.51
(1,3713)	1:57:A:ILE:HG21	1:59:A:TRP:H	10	0.51
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	2	0.51
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	9	0.51
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	8	0.51
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD22	16	0.51
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG21	2	0.51
(1,3658)	1:195:A:LEU:HD13	1:194:A:ILE:HG23	3	0.51
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	12	0.51
(1,3598)	1:152:A:LEU:HD23	1:153:A:ILE:HB	14	0.51
(1,3596)	1:152:A:LEU:HD21	1:149:A:LEU:H	8	0.51
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	17	0.51
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD21	16	0.51
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	14	0.51
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	15	0.51
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	7	0.51
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	12	0.51
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	19	0.51
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD12	3	0.51
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	6	0.51
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	14	0.51
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	19	0.51
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	10	0.51
(1,3356)	1:221:A:ASP:HB2	1:204:A:VAL:HG22	7	0.51
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	4	0.51
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	14	0.51
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	16	0.51
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	3	0.51
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	18	0.51
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	5	0.51
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	18	0.51
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB2	1	0.51
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	13	0.51
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	3	0.51
(1,3277)	1:42:A:ALA:HB2	1:40:A:ASP:HA	16	0.51
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	4	0.51
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	7	0.51
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	14	0.51
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	7	0.51
(1,3132)	1:84:A:PRO:HA	1:87:A:LEU:HD13	9	0.51
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	10	0.51
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	17	0.51
(1,3056)	1:154:A:ALA:HB2	1:136:A:LYS:HE2	4	0.51
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	19	0.51
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	3	0.51
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	20	0.51
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	2	0.51
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	19	0.51
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	18	0.51
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	20	0.51
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	19	0.51
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	13	0.51
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	17	0.51
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	13	0.51
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	16	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	3	0.51
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	13	0.51
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	19	0.51
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	3	0.51
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	15	0.51
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	18	0.51
(1,2769)	1:239:A:LEU:HD11	1:239:A:LEU:HA	15	0.51
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	14	0.51
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	15	0.51
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	16	0.51
(1,2699)	1:102:A:ILE:HD12	1:80:A:PHE:HZ	18	0.51
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	9	0.51
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	2	0.51
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	6	0.51
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	1	0.51
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	4	0.51
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	7	0.51
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	15	0.51
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	5	0.51
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	9	0.51
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	10	0.51
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	11	0.51
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG21	2	0.51
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG22	10	0.51
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	13	0.51
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	17	0.51
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	5	0.51
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	11	0.51
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	2	0.51
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	4	0.51
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	9	0.51
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	12	0.51
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD21	18	0.51
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	17	0.51
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	9	0.51
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	10	0.51
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	5	0.51
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	6	0.51
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	8	0.51
(1,2379)	1:74:A:GLY:H	1:76:A:ALA:HB2	17	0.51
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	8	0.51
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2267)	1:237:A:THR:HG22	1:172:A:TRP:HE1	4	0.51
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	12	0.51
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	3	0.51
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	17	0.51
(1,1993)	1:102:A:ILE:HD13	1:80:A:PHE:HE1	20	0.51
(1,1990)	1:168:A:ILE:HD13	1:167:A:ASN:HB3	2	0.51
(1,1984)	1:168:A:ILE:HA	1:171:A:THR:HG22	18	0.51
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD12	13	0.51
(1,1793)	1:168:A:ILE:HD13	1:230:A:PRO:HA	4	0.51
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	6	0.51
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	7	0.51
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	20	0.51
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	1	0.51
(1,1783)	1:188:A:ILE:HD11	1:196:A:GLN:HE22	6	0.51
(1,1768)	1:219:A:ILE:HD12	1:243:A:LYS:HE2	11	0.51
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	13	0.51
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD11	20	0.51
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	1	0.51
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	3	0.51
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	7	0.51
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	19	0.51
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	4	0.51
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	7	0.51
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	20	0.51
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG22	13	0.51
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	20	0.51
(1,1625)	1:201:A:LEU:HD22	1:203:A:ARG:H	14	0.51
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	15	0.51
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	17	0.51
(1,1582)	1:55:A:THR:HG21	1:51:A:SER:HA	12	0.51
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB3	18	0.51
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	19	0.51
(1,1522)	1:136:A:LYS:HG2	1:132:A:TYR:HE2	8	0.51
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	5	0.51
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	7	0.51
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	10	0.51
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD13	11	0.51
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	1	0.51
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	3	0.51
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	19	0.51
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	2	0.51
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	1	0.51
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG23	4	0.51
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG23	7	0.51
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	9	0.51
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	17	0.51
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	19	0.51
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD12	3	0.51
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	3	0.51
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	4	0.51
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	13	0.51
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	9	0.51
(1,973)	1:111:A:GLY:HA3	1:113:A:GLN:H	16	0.51
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	3	0.51
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	9	0.51
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	14	0.51
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	16	0.51
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	19	0.51
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	11	0.51
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG21	6	0.51
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	1	0.51
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	10	0.51
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	11	0.51
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	13	0.51
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	15	0.51
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	6	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	2	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	3	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD12	6	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD11	8	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	13	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	17	0.51
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	19	0.51
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	13	0.51
(1,565)	1:112:A:ALA:H	1:115:A:LEU:HD12	3	0.51
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	13	0.51
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	16	0.51
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	20	0.51
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	13	0.51
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	2	0.51
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	5	0.51
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	8	0.51
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	14	0.51
(1,490)	1:195:A:LEU:HD23	1:191:A:ASP:H	7	0.51
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	20	0.51
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	3	0.51
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	14	0.51
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	13	0.51
(1,428)	1:39:A:ALA:HB1	1:44:A:TYR:HD1	5	0.51
(1,392)	1:65:A:ARG:HA	1:64:A:ILE:HG23	2	0.51
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	5	0.51
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	16	0.51
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	8	0.51
(1,332)	1:116:A:LEU:HD11	1:114:A:ASN:H	19	0.51
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	7	0.51
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	10	0.51
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	13	0.51
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	9	0.5
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	17	0.5
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	4	0.5
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	11	0.5
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	13	0.5
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD13	17	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	2	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	3	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	4	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	7	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	13	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	15	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	18	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	19	0.5
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	20	0.5
(1,5537)	1:191:A:ASP:H	1:191:A:ASP:HB3	19	0.5
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD21	4	0.5
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	11	0.5
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	17	0.5
(1,5379)	1:168:A:ILE:H	1:159:A:LEU:HD22	18	0.5
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	4	0.5
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	19	0.5
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	4	0.5
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG22	17	0.5
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	8	0.5
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	17	0.5
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	10	0.5
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	18	0.5
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	17	0.5
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	18	0.5
(1,4764)	1:201:A:LEU:H	1:201:A:LEU:HD13	19	0.5
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	13	0.5
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	16	0.5
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG21	1	0.5
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG22	8	0.5
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	16	0.5
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	16	0.5
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	8	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	1	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	3	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	4	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	7	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB2	8	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	9	0.5
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	13	0.5
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	14	0.5
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE3	19	0.5
(1,4321)	1:146:A:ILE:HD11	1:150:A:ARG:HD3	1	0.5
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	1	0.5
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	11	0.5
(1,4302)	1:61:A:LEU:HD12	1:91:A:GLN:HE22	9	0.5
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	9	0.5
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	11	0.5
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	16	0.5
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	1	0.5
(1,4172)	1:103:A:LYS:HG3	1:100:A:VAL:HG21	6	0.5
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	3	0.5
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD21	8	0.5
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	11	0.5
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	17	0.5
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	20	0.5
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	17	0.5
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	5	0.5
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	11	0.5
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	17	0.5
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD22	20	0.5
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	2	0.5
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	1	0.5
(1,3949)	1:115:A:LEU:HD23	1:115:A:LEU:HB2	5	0.5
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	7	0.5
(1,3949)	1:115:A:LEU:HD23	1:115:A:LEU:HB2	8	0.5
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	11	0.5
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	12	0.5
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	17	0.5
(1,3926)	1:149:A:LEU:HD12	1:150:A:ARG:HD2	16	0.5
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	12	0.5
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	18	0.5
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	20	0.5
(1,3917)	1:230:A:PRO:HG3	1:198:A:TRP:HZ2	8	0.5
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	4	0.5
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	12	0.5
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD13	14	0.5
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	14	0.5
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	11	0.5
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	12	0.5
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	13	0.5
(1,3717)	1:129:A:GLN:H	1:130:A:ALA:HB2	4	0.5
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	3	0.5
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	5	0.5
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	10	0.5
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	12	0.5
(1,3704)	1:99:A:ALA:HB1	1:100:A:VAL:HA	13	0.5
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	19	0.5
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	20	0.5
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	2	0.5
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD23	10	0.5
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD11	4	0.5
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD11	8	0.5
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	9	0.5
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD12	11	0.5
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	13	0.5
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	7	0.5
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	5	0.5
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	11	0.5
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	17	0.5
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	17	0.5
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	3	0.5
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	4	0.5
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	19	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	2	0.5
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	13	0.5
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	15	0.5
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB2	3	0.5
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	9	0.5
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	11	0.5
(1,3277)	1:42:A:ALA:HB2	1:40:A:ASP:HA	15	0.5
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	17	0.5
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	17	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	1	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	2	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	5	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	6	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	11	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	12	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	13	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	15	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	17	0.5
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	19	0.5
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD22	12	0.5
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	14	0.5
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	7	0.5
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	9	0.5
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB3	1	0.5
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	4	0.5
(1,3029)	1:232:A:ALA:HB3	1:224:A:LYS:H	9	0.5
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	12	0.5
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	13	0.5
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	20	0.5
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	18	0.5
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	12	0.5
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	8	0.5
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	5	0.5
(1,2966)	1:158:A:LEU:HD11	1:159:A:LEU:HG	10	0.5
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	12	0.5
(1,2917)	1:124:A:LEU:HD23	1:128:A:GLN:HB2	5	0.5
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	2	0.5
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	10	0.5
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	2	0.5
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	3	0.5
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	10	0.5
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	18	0.5
(1,2808)	1:136:A:LYS:HG2	1:136:A:LYS:HE2	20	0.5
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	4	0.5
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	4	0.5
(1,2699)	1:102:A:ILE:HD13	1:80:A:PHE:HZ	14	0.5
(1,2699)	1:102:A:ILE:HD13	1:80:A:PHE:HZ	20	0.5
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	3	0.5
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	11	0.5
(1,2676)	1:102:A:ILE:HG23	1:80:A:PHE:HB2	4	0.5
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	6	0.5
(1,2676)	1:102:A:ILE:HG22	1:80:A:PHE:HB2	15	0.5
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	1	0.5
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	5	0.5
(1,2668)	1:174:A:ALA:HB1	1:178:A:MET:HB2	15	0.5
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	13	0.5
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	3	0.5
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG22	4	0.5
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	4	0.5
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	9	0.5
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	10	0.5
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	17	0.5
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	20	0.5
(1,2630)	1:124:A:LEU:HD12	1:126:A:GLN:HE21	20	0.5
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	1	0.5
(1,2629)	1:124:A:LEU:HD13	1:132:A:TYR:HD1	12	0.5
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	16	0.5
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG22	17	0.5
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	18	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG21	4	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG21	9	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG22	15	0.5
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG22	16	0.5
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD23	5	0.5
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD22	14	0.5
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	3	0.5
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD11	6	0.5
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD11	20	0.5
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	6	0.5
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	15	0.5
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	12	0.5
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	13	0.5
(1,2449)	1:175:A:LEU:HD21	1:198:A:TRP:HD1	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	4	0.5
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	9	0.5
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	11	0.5
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	14	0.5
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	16	0.5
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	12	0.5
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	13	0.5
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	14	0.5
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	14	0.5
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	18	0.5
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	19	0.5
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	2	0.5
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	3	0.5
(1,1993)	1:102:A:ILE:HD13	1:80:A:PHE:HE1	8	0.5
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	3	0.5
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	5	0.5
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	12	0.5
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	18	0.5
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	13	0.5
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	18	0.5
(1,1793)	1:168:A:ILE:HD13	1:230:A:PRO:HA	2	0.5
(1,1783)	1:188:A:ILE:HD13	1:196:A:GLN:HE22	4	0.5
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	15	0.5
(1,1749)	1:154:A:ALA:HB3	1:151:A:ALA:H	6	0.5
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	13	0.5
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG22	1	0.5
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	5	0.5
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	8	0.5
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG22	11	0.5
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG22	19	0.5
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	4	0.5
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	9	0.5
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	13	0.5
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	14	0.5
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	9	0.5
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	10	0.5
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	16	0.5
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG22	16	0.5
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	18	0.5
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	1	0.5
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	4	0.5
(1,1625)	1:201:A:LEU:HD21	1:203:A:ARG:H	9	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1625)	1:201:A:LEU:HD23	1:203:A:ARG:H	11	0.5
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	15	0.5
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	20	0.5
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	2	0.5
(1,1459)	1:159:A:LEU:HD23	1:160:A:GLY:H	4	0.5
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	7	0.5
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD12	3	0.5
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	2	0.5
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD13	19	0.5
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	20	0.5
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	4	0.5
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	9	0.5
(1,1166)	1:102:A:ILE:HB	1:73:A:THR:HG22	15	0.5
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG23	6	0.5
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	8	0.5
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	18	0.5
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	19	0.5
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	16	0.5
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	18	0.5
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	5	0.5
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	8	0.5
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	10	0.5
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	14	0.5
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	7	0.5
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	8	0.5
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	10	0.5
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG21	4	0.5
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	4	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	5	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	6	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	7	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	14	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	17	0.5
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	19	0.5
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	7	0.5
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	9	0.5
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	20	0.5
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	11	0.5
(1,649)	1:210:A:ASN:H	1:209:A:ARG:HE	20	0.5
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD13	14	0.5
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	5	0.5
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	1	0.5
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	2	0.5
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	16	0.5
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	14	0.5
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	6	0.5
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	13	0.5
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	15	0.5
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	16	0.5
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	17	0.5
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	12	0.5
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	17	0.5
(1,483)	1:194:A:ILE:HB	1:229:A:ASN:HA	19	0.5
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD11	7	0.5
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	15	0.5
(1,432)	1:233:A:LYS:HD2	1:233:A:LYS:HE3	8	0.5
(1,432)	1:246:A:LYS:HD2	1:246:A:LYS:HE3	11	0.5
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG21	20	0.5
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	16	0.5
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	9	0.5
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	12	0.5
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	9	0.5
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	14	0.5
(1,332)	1:116:A:LEU:HD11	1:114:A:ASN:H	4	0.5
(1,332)	1:116:A:LEU:HD12	1:114:A:ASN:H	9	0.5
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	19	0.5
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	16	0.5
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	12	0.5
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	15	0.5
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG21	18	0.5
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	20	0.49
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	3	0.49
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	15	0.49
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	20	0.49
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	17	0.49
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	20	0.49
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	7	0.49
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	8	0.49
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD11	9	0.49
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD13	18	0.49
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	5	0.49
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	10	0.49
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	20	0.49
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD22	7	0.49
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD23	20	0.49
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	2	0.49
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	3	0.49
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD22	10	0.49
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	8	0.49
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	7	0.49
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	10	0.49
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	8	0.49
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	11	0.49
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	13	0.49
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	15	0.49
(1,4522)	1:39:A:ALA:HB1	1:43:A:PHE:HE2	15	0.49
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	16	0.49
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	2	0.49
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	10	0.49
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB3	11	0.49
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB2	17	0.49
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	2	0.49
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	3	0.49
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	13	0.49
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD23	15	0.49
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	19	0.49
(1,4280)	1:178:A:MET:H	1:175:A:LEU:HD12	17	0.49
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	12	0.49
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	1	0.49
(1,4242)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	13	0.49
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	14	0.49
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	4	0.49
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	13	0.49
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	14	0.49
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD21	8	0.49
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	9	0.49
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	7	0.49
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	15	0.49
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD21	20	0.49
(1,4040)	1:61:A:LEU:HD13	1:62:A:LEU:H	7	0.49
(1,4040)	1:61:A:LEU:HD12	1:62:A:LEU:H	10	0.49
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	3	0.49
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	10	0.49
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD22	8	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	16	0.49
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD22	8	0.49
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	19	0.49
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	18	0.49
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	2	0.49
(1,3949)	1:115:A:LEU:HD23	1:115:A:LEU:HB2	6	0.49
(1,3949)	1:115:A:LEU:HD23	1:115:A:LEU:HB2	10	0.49
(1,3949)	1:115:A:LEU:HD23	1:115:A:LEU:HB2	16	0.49
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	18	0.49
(1,3949)	1:115:A:LEU:HD21	1:115:A:LEU:HB2	19	0.49
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	13	0.49
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	20	0.49
(1,3925)	1:149:A:LEU:HD23	1:147:A:ASP:HA	10	0.49
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	15	0.49
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	20	0.49
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	16	0.49
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	20	0.49
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD12	7	0.49
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	18	0.49
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	4	0.49
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	1	0.49
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	4	0.49
(1,3704)	1:99:A:ALA:HB1	1:100:A:VAL:HA	6	0.49
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	11	0.49
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	15	0.49
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG23	1	0.49
(1,3662)	1:115:A:LEU:HD21	1:96:A:THR:HG21	18	0.49
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD23	6	0.49
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	13	0.49
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	1	0.49
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	16	0.49
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD11	20	0.49
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD12	4	0.49
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD13	9	0.49
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD13	15	0.49
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	19	0.49
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	9	0.49
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	10	0.49
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	13	0.49
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	1	0.49
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	5	0.49
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD12	13	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	20	0.49
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	4	0.49
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	14	0.49
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	1	0.49
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	8	0.49
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	5	0.49
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	1	0.49
(1,3415)	1:28:A:GLN:HG2	1:28:A:GLN:HE22	2	0.49
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	18	0.49
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	4	0.49
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	1	0.49
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB3	6	0.49
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	5	0.49
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	17	0.49
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG21	9	0.49
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	16	0.49
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	4	0.49
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	5	0.49
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	7	0.49
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	18	0.49
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	4	0.49
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	7	0.49
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	12	0.49
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	14	0.49
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	19	0.49
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	9	0.49
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	10	0.49
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	20	0.49
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	2	0.49
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	11	0.49
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	10	0.49
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	11	0.49
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	20	0.49
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	15	0.49
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	6	0.49
(1,3027)	1:232:A:ALA:HB1	1:228:A:ASN:H	2	0.49
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	3	0.49
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	7	0.49
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	15	0.49
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	5	0.49
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	9	0.49
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	16	0.49
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG21	20	0.49
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	13	0.49
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	1	0.49
(1,2924)	1:124:A:LEU:HD21	1:132:A:TYR:HD1	8	0.49
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	9	0.49
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	3	0.49
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	16	0.49
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	4	0.49
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	7	0.49
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	17	0.49
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	6	0.49
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	9	0.49
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	17	0.49
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	14	0.49
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB3	16	0.49
(1,2769)	1:239:A:LEU:HD13	1:239:A:LEU:HA	6	0.49
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	2	0.49
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	17	0.49
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	3	0.49
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	18	0.49
(1,2699)	1:102:A:ILE:HD11	1:80:A:PHE:HZ	1	0.49
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	12	0.49
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD11	14	0.49
(1,2697)	1:102:A:ILE:HD11	1:98:A:LEU:HA	14	0.49
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	2	0.49
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	3	0.49
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB2	12	0.49
(1,2668)	1:174:A:ALA:HB2	1:178:A:MET:HB2	3	0.49
(1,2668)	1:174:A:ALA:HB1	1:178:A:MET:HB2	6	0.49
(1,2659)	1:183:A:ALA:HB1	1:184:A:ASN:HD22	17	0.49
(1,2659)	1:183:A:ALA:HB1	1:184:A:ASN:HD22	19	0.49
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	1	0.49
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	7	0.49
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	13	0.49
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	16	0.49
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	18	0.49
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	20	0.49
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	11	0.49
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	1	0.49
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG22	4	0.49
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG22	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	7	0.49
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	8	0.49
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	18	0.49
(1,2584)	1:235:A:LEU:HD13	1:223:A:GLN:H	13	0.49
(1,2578)	1:235:A:LEU:HD13	1:233:A:LYS:H	6	0.49
(1,2578)	1:235:A:LEU:HD12	1:233:A:LYS:H	14	0.49
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	18	0.49
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	5	0.49
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	7	0.49
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD11	10	0.49
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD11	16	0.49
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	19	0.49
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	20	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	2	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE1	3	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE1	5	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	8	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE1	14	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	15	0.49
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	17	0.49
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	4	0.49
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	10	0.49
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	15	0.49
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD21	20	0.49
(1,2449)	1:175:A:LEU:HD22	1:198:A:TRP:HD1	14	0.49
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	3	0.49
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	17	0.49
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	10	0.49
(1,2267)	1:237:A:THR:HG22	1:172:A:TRP:HE1	5	0.49
(1,2265)	1:237:A:THR:HG22	1:241:A:ASN:HB2	2	0.49
(1,2136)	1:102:A:ILE:HD12	1:106:A:GLN:HE21	8	0.49
(1,2136)	1:102:A:ILE:HD12	1:106:A:GLN:HE21	20	0.49
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	11	0.49
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	1	0.49
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD12	16	0.49
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	20	0.49
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	5	0.49
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	7	0.49
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	14	0.49
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	9	0.49
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	16	0.49
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	1	0.49
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	12	0.49
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	6	0.49
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	10	0.49
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	16	0.49
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	10	0.49
(1,1702)	1:139:A:ALA:HB3	1:116:A:LEU:HD12	4	0.49
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD23	20	0.49
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	2	0.49
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	8	0.49
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	12	0.49
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	13	0.49
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	8	0.49
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	16	0.49
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	11	0.49
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	2	0.49
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	1	0.49
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	8	0.49
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	10	0.49
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	14	0.49
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	15	0.49
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	5	0.49
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	8	0.49
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	16	0.49
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD12	12	0.49
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	2	0.49
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	8	0.49
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	10	0.49
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	15	0.49
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	5	0.49
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG22	2	0.49
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG21	3	0.49
(1,1092)	1:119:A:ILE:HB	1:96:A:THR:HG23	15	0.49
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	19	0.49
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD12	14	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	1	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD11	7	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	9	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD11	12	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	15	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	19	0.49
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD11	20	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	10	0.49
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	4	0.49
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	20	0.49
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	15	0.49
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	1	0.49
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	2	0.49
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	11	0.49
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	15	0.49
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	2	0.49
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	12	0.49
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	16	0.49
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB1	4	0.49
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	14	0.49
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD12	18	0.49
(1,633)	1:239:A:LEU:H	1:219:A:ILE:HD12	20	0.49
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	3	0.49
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD2	17	0.49
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	5	0.49
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	6	0.49
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	6	0.49
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG23	3	0.49
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	7	0.49
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	6	0.49
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	7	0.49
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	17	0.49
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	1	0.49
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	4	0.49
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	20	0.49
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	9	0.49
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	11	0.49
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	16	0.49
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	4	0.49
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	4	0.49
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	13	0.49
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	19	0.49
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	17	0.49
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	8	0.49
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	1	0.49
(1,332)	1:116:A:LEU:HD11	1:114:A:ASN:H	11	0.49
(1,332)	1:116:A:LEU:HD13	1:114:A:ASN:H	16	0.49
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	6	0.49
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:136:A:LYS:HD2	1:133:A:TRP:HZ3	16	0.49
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	11	0.49
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	19	0.49
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD21	6	0.48
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG23	14	0.48
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG22	16	0.48
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	2	0.48
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	16	0.48
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	14	0.48
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	1	0.48
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	20	0.48
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	8	0.48
(1,5563)	1:158:A:LEU:H	1:158:A:LEU:HB3	17	0.48
(1,5387)	1:39:A:ALA:H	1:38:A:GLN:HB2	3	0.48
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB2	12	0.48
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	13	0.48
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	16	0.48
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD21	11	0.48
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD22	14	0.48
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	16	0.48
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	19	0.48
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	20	0.48
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	9	0.48
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	11	0.48
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	12	0.48
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	18	0.48
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG22	4	0.48
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG21	12	0.48
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	18	0.48
(1,4522)	1:39:A:ALA:HB2	1:43:A:PHE:HE2	13	0.48
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	1	0.48
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB2	5	0.48
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	14	0.48
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD11	9	0.48
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	6	0.48
(1,4411)	1:64:A:ILE:HD11	1:80:A:PHE:HE1	7	0.48
(1,4327)	1:179:A:THR:H	1:178:A:MET:HE1	9	0.48
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	5	0.48
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	6	0.48
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	17	0.48
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	11	0.48
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	8	0.48
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	17	0.48
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	1	0.48
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	9	0.48
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	6	0.48
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	9	0.48
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	2	0.48
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	3	0.48
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD21	14	0.48
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	18	0.48
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG23	15	0.48
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	20	0.48
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	5	0.48
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	19	0.48
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	17	0.48
(1,3926)	1:149:A:LEU:HD11	1:150:A:ARG:HD2	9	0.48
(1,3925)	1:149:A:LEU:HD23	1:147:A:ASP:HA	1	0.48
(1,3925)	1:149:A:LEU:HD21	1:147:A:ASP:HA	8	0.48
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	8	0.48
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	9	0.48
(1,3891)	1:62:A:LEU:HD12	1:44:A:TYR:HD2	7	0.48
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	5	0.48
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	20	0.48
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	9	0.48
(1,3780)	1:149:A:LEU:HD12	1:150:A:ARG:HD3	16	0.48
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	17	0.48
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	16	0.48
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	9	0.48
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	7	0.48
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	8	0.48
(1,3704)	1:99:A:ALA:HB1	1:100:A:VAL:HA	16	0.48
(1,3704)	1:99:A:ALA:HB3	1:100:A:VAL:HA	17	0.48
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	18	0.48
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	2	0.48
(1,3636)	1:45:A:LEU:HD22	1:48:A:MET:HE2	15	0.48
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	8	0.48
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD11	10	0.48
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD13	12	0.48
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD11	16	0.48
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD11	20	0.48
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	7	0.48
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	6	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD11	8	0.48
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	17	0.48
(1,3544)	1:84:A:PRO:HG3	1:87:A:LEU:HD13	19	0.48
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	7	0.48
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	9	0.48
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	11	0.48
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	12	0.48
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	13	0.48
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	18	0.48
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	7	0.48
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	15	0.48
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB1	16	0.48
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	4	0.48
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	8	0.48
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	14	0.48
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	19	0.48
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	8	0.48
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	11	0.48
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB3	19	0.48
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	9	0.48
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG22	18	0.48
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	3	0.48
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	4	0.48
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	6	0.48
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	7	0.48
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	17	0.48
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	19	0.48
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	8	0.48
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB2	10	0.48
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB2	15	0.48
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	9	0.48
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	8	0.48
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	4	0.48
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	6	0.48
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	9	0.48
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	17	0.48
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	20	0.48
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	2	0.48
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	16	0.48
(1,3056)	1:154:A:ALA:HB2	1:136:A:LYS:HE2	20	0.48
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	9	0.48
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB2	14	0.48
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB3	18	0.48
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	5	0.48
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	7	0.48
(1,3029)	1:232:A:ALA:HB3	1:224:A:LYS:H	16	0.48
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	17	0.48
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	11	0.48
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	14	0.48
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	17	0.48
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	10	0.48
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	13	0.48
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	2	0.48
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	3	0.48
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	4	0.48
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	1	0.48
(1,2966)	1:158:A:LEU:HD12	1:159:A:LEU:HG	18	0.48
(1,2960)	1:199:A:LEU:HD21	1:175:A:LEU:HG	16	0.48
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	2	0.48
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	9	0.48
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	7	0.48
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG22	7	0.48
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	8	0.48
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	12	0.48
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	6	0.48
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	11	0.48
(1,2838)	1:182:A:GLN:HB3	1:179:A:THR:HB	12	0.48
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	5	0.48
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	8	0.48
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	12	0.48
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	13	0.48
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	20	0.48
(1,2769)	1:239:A:LEU:HD12	1:239:A:LEU:HA	17	0.48
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	18	0.48
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	5	0.48
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	5	0.48
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	12	0.48
(1,2676)	1:102:A:ILE:HG23	1:80:A:PHE:HB2	11	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	4	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	5	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	7	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB2	14	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB2	18	0.48
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	20	0.48
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	10	0.48
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	11	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG22	2	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	5	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	11	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG22	12	0.48
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	15	0.48
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	14	0.48
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	2	0.48
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	7	0.48
(1,2630)	1:124:A:LEU:HD13	1:126:A:GLN:HE21	1	0.48
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	10	0.48
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	13	0.48
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB2	10	0.48
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	15	0.48
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG23	6	0.48
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG21	12	0.48
(1,2613)	1:74:A:GLY:H	1:77:A:VAL:HG22	20	0.48
(1,2581)	1:125:A:GLU:H	1:124:A:LEU:HD23	19	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	2	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	8	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	9	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	12	0.48
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	13	0.48
(1,2558)	1:121:A:PRO:HG2	1:133:A:TRP:HZ3	2	0.48
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	4	0.48
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	6	0.48
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	19	0.48
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD21	14	0.48
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	16	0.48
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	1	0.48
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	3	0.48
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	15	0.48
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	18	0.48
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	17	0.48
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	16	0.48
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	17	0.48
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	1	0.48
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	12	0.48
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	2	0.48
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	4	0.48
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	14	0.48
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	19	0.48
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	7	0.48
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	19	0.48
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	12	0.48
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	18	0.48
(1,1783)	1:188:A:ILE:HD12	1:196:A:GLN:HE22	5	0.48
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	11	0.48
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	13	0.48
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	15	0.48
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	19	0.48
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG22	7	0.48
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	15	0.48
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	7	0.48
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	7	0.48
(1,1662)	1:31:A:ALA:HB2	1:34:A:GLN:HB2	6	0.48
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	11	0.48
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	12	0.48
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	18	0.48
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	1	0.48
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	13	0.48
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	14	0.48
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	18	0.48
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD11	18	0.48
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG22	14	0.48
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	7	0.48
(1,1619)	1:37:A:ALA:HB1	1:38:A:GLN:HA	12	0.48
(1,1604)	1:185:A:THR:HG21	1:182:A:GLN:HE21	13	0.48
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	5	0.48
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	15	0.48
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB1	20	0.48
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	8	0.48
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	19	0.48
(1,1459)	1:159:A:LEU:HD23	1:160:A:GLY:H	6	0.48
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	11	0.48
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	6	0.48
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	20	0.48
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	8	0.48
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	17	0.48
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	7	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	12	0.48
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG23	5	0.48
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD13	1	0.48
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	11	0.48
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB3	7	0.48
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB3	15	0.48
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG12	14	0.48
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB2	15	0.48
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD23	6	0.48
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	12	0.48
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	11	0.48
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD21	20	0.48
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD13	17	0.48
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	14	0.48
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	17	0.48
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	18	0.48
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	8	0.48
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	13	0.48
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	16	0.48
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	18	0.48
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB2	10	0.48
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	2	0.48
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	1	0.48
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	5	0.48
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	16	0.48
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD2	18	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	1	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	2	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	4	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	10	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	11	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	13	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	17	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	18	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	19	0.48
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	20	0.48
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	9	0.48
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	2	0.48
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	14	0.48
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	1	0.48
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	9	0.48
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	18	0.48
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	19	0.48
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	19	0.48
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	7	0.48
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	12	0.48
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	17	0.48
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	18	0.48
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD13	5	0.48
(1,464)	1:33:A:MET:HE2	1:62:A:LEU:HD13	18	0.48
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	3	0.48
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	14	0.48
(1,432)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	3	0.48
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG22	5	0.48
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	4	0.48
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	7	0.48
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	18	0.48
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	19	0.48
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	9	0.48
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	11	0.48
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	6	0.48
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG21	9	0.48
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	20	0.48
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD23	5	0.47
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	15	0.47
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	8	0.47
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	17	0.47
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	2	0.47
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	8	0.47
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	19	0.47
(1,5608)	1:203:A:ARG:H	1:175:A:LEU:HD12	5	0.47
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	1	0.47
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	11	0.47
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	13	0.47
(1,4938)	1:202:A:GLN:H	1:175:A:LEU:HD21	18	0.47
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	6	0.47
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	11	0.47
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD22	13	0.47
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	12	0.47
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	19	0.47
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	11	0.47
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	4	0.47
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	20	0.47
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	17	0.47
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	12	0.47
(1,4522)	1:39:A:ALA:HB3	1:43:A:PHE:HE2	19	0.47
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	5	0.47
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	7	0.47
(1,4467)	1:206:A:PHE:HZ	1:183:A:ALA:HB1	18	0.47
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	16	0.47
(1,4381)	1:245:A:PHE:HE1	1:242:A:VAL:HG21	2	0.47
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD22	14	0.47
(1,4319)	1:92:A:ARG:H	1:87:A:LEU:HD21	20	0.47
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	9	0.47
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	13	0.47
(1,4251)	1:235:A:LEU:HD13	1:222:A:TRP:HH2	14	0.47
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	6	0.47
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	7	0.47
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	12	0.47
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	18	0.47
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	1	0.47
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	11	0.47
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	3	0.47
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG21	12	0.47
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	13	0.47
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	12	0.47
(1,3964)	1:219:A:ILE:HB	1:215:A:MET:HE3	3	0.47
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	9	0.47
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	15	0.47
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	9	0.47
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	13	0.47
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	7	0.47
(1,3891)	1:62:A:LEU:HD13	1:44:A:TYR:HD2	15	0.47
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	1	0.47
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	8	0.47
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	1	0.47
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD12	4	0.47
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	13	0.47
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	15	0.47
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	18	0.47
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	1	0.47
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB1	15	0.47
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD13	13	0.47
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	6	0.47
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD21	6	0.47
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	15	0.47
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG21	9	0.47
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG21	17	0.47
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB2	17	0.47
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	5	0.47
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	12	0.47
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	3	0.47
(1,3704)	1:99:A:ALA:HB2	1:100:A:VAL:HA	14	0.47
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG21	14	0.47
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	14	0.47
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	2	0.47
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	5	0.47
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	11	0.47
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	15	0.47
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	15	0.47
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD11	13	0.47
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD13	14	0.47
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD12	19	0.47
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	3	0.47
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	5	0.47
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	11	0.47
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	12	0.47
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	14	0.47
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	6	0.47
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	9	0.47
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	10	0.47
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	5	0.47
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	5	0.47
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	3	0.47
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	4	0.47
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	9	0.47
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	14	0.47
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	17	0.47
(1,3431)	1:168:A:ILE:HD13	1:164:A:LYS:HB2	2	0.47
(1,3431)	1:168:A:ILE:HD13	1:164:A:LYS:HB2	4	0.47
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB1	2	0.47
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	6	0.47
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	20	0.47
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	20	0.47
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	6	0.47
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	18	0.47
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	2	0.47
(1,3368)	1:138:A:ASP:HB2	1:135:A:ALA:HB2	2	0.47
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	1	0.47
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	7	0.47
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	18	0.47
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	6	0.47
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	15	0.47
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	2	0.47
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB3	16	0.47
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	2	0.47
(1,3277)	1:42:A:ALA:HB2	1:40:A:ASP:HA	5	0.47
(1,3277)	1:42:A:ALA:HB1	1:40:A:ASP:HA	8	0.47
(1,3277)	1:42:A:ALA:HB2	1:40:A:ASP:HA	13	0.47
(1,3277)	1:42:A:ALA:HB2	1:40:A:ASP:HA	18	0.47
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	20	0.47
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	6	0.47
(1,3180)	1:249:A:SER:HA	1:249:A:SER:HB3	4	0.47
(1,3180)	1:249:A:SER:HA	1:249:A:SER:HB3	14	0.47
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	8	0.47
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	10	0.47
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	18	0.47
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	5	0.47
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	14	0.47
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	4	0.47
(1,3029)	1:232:A:ALA:HB3	1:224:A:LYS:H	2	0.47
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	10	0.47
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	2	0.47
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	7	0.47
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	6	0.47
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	7	0.47
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	9	0.47
(1,2966)	1:158:A:LEU:HD12	1:159:A:LEU:HG	12	0.47
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	6	0.47
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	10	0.47
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	15	0.47
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	18	0.47
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	8	0.47
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	2	0.47
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	15	0.47
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	3	0.47
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	9	0.47
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	20	0.47
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	14	0.47
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	1	0.47
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	2	0.47
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	7	0.47
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	14	0.47
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB2	19	0.47
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	4	0.47
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	10	0.47
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	13	0.47
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	20	0.47
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	6	0.47
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	8	0.47
(1,2676)	1:102:A:ILE:HG21	1:80:A:PHE:HB2	14	0.47
(1,2676)	1:102:A:ILE:HG23	1:80:A:PHE:HB2	19	0.47
(1,2675)	1:102:A:ILE:HG22	1:108:A:ASP:HB3	4	0.47
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	9	0.47
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	8	0.47
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	11	0.47
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB3	13	0.47
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	17	0.47
(1,2668)	1:174:A:ALA:HB3	1:178:A:MET:HB2	20	0.47
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	6	0.47
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG23	8	0.47
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	9	0.47
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG22	10	0.47
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG21	19	0.47
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	15	0.47
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	3	0.47
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	4	0.47
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	15	0.47
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB1	4	0.47
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	13	0.47
(1,2584)	1:235:A:LEU:HD12	1:223:A:GLN:H	12	0.47
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	14	0.47
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	11	0.47
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD11	14	0.47
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	13	0.47
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	18	0.47
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	19	0.47
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	17	0.47
(1,2355)	1:242:A:VAL:HG11	1:216:A:LYS:HB2	8	0.47
(1,2355)	1:242:A:VAL:HG11	1:216:A:LYS:HB2	19	0.47
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	1	0.47
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	15	0.47
(1,2267)	1:237:A:THR:HG22	1:172:A:TRP:HE1	2	0.47
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	3	0.47
(1,2267)	1:237:A:THR:HG23	1:172:A:TRP:HE1	20	0.47
(1,2259)	1:239:A:LEU:HD23	1:236:A:PRO:HB3	10	0.47
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	2	0.47
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	7	0.47
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	10	0.47
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	10	0.47
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	7	0.47
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	9	0.47
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	15	0.47
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	19	0.47
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	1	0.47
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	1	0.47
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	7	0.47
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	11	0.47
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	13	0.47
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	15	0.47
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	1	0.47
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	8	0.47
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	16	0.47
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	7	0.47
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	9	0.47
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	20	0.47
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	17	0.47
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	13	0.47
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	2	0.47
(1,1749)	1:154:A:ALA:HB3	1:151:A:ALA:H	4	0.47
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	7	0.47
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	10	0.47
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	2	0.47
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG22	4	0.47
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	12	0.47
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	14	0.47
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	17	0.47
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	4	0.47
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	20	0.47
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	3	0.47
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	11	0.47
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	19	0.47
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	5	0.47
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	10	0.47
(1,1619)	1:37:A:ALA:HB1	1:38:A:GLN:HA	10	0.47
(1,1619)	1:37:A:ALA:HB3	1:38:A:GLN:HA	11	0.47
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	2	0.47
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	14	0.47
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB3	9	0.47
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB2	15	0.47
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB2	16	0.47
(1,1570)	1:97:A:LEU:HD22	1:132:A:TYR:HB3	14	0.47
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	17	0.47
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	4	0.47
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	8	0.47
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	17	0.47
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	9	0.47
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	9	0.47
(1,1428)	1:180:A:GLN:HB3	1:181:A:GLU:HA	9	0.47
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD12	6	0.47
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD13	10	0.47
(1,1243)	1:183:A:ALA:H	1:182:A:GLN:HG3	9	0.47
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD12	1	0.47
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD12	17	0.47
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	7	0.47
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	2	0.47
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	8	0.47
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	12	0.47
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD13	2	0.47
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD11	6	0.47
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD12	17	0.47
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG13	1	0.47
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	3	0.47
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	4	0.47
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	18	0.47
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	20	0.47
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	7	0.47
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	12	0.47
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	6	0.47
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	10	0.47
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	11	0.47
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	6	0.47
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	20	0.47
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	2	0.47
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	13	0.47
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	20	0.47
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD22	4	0.47
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD23	9	0.47
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	3	0.47
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	5	0.47
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	11	0.47
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	15	0.47
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	13	0.47
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	3	0.47
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	12	0.47
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	14	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	2	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	7	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	8	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	9	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	11	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	15	0.47
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	19	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	7	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	8	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	9	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	12	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	14	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	15	0.47
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	16	0.47
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	1	0.47
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	10	0.47
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	12	0.47
(1,530)	1:125:A:GLU:HG2	1:128:A:GLN:HA	3	0.47
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	3	0.47
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	8	0.47
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	20	0.47
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	10	0.47
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	10	0.47
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	6	0.47
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	10	0.47
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	16	0.47
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	11	0.47
(1,432)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	13	0.47
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	16	0.47
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	10	0.47
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	16	0.47
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	2	0.47
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	4	0.47
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	10	0.47
(1,370)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	15	0.47
(1,300)	1:92:A:ARG:HB3	1:87:A:LEU:H	6	0.47
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	8	0.47
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	10	0.47
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	16	0.47
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	20	0.47
(1,269)	1:89:A:ASP:HB2	1:91:A:GLN:H	20	0.47
(1,5852)	1:193:A:ASN:H	1:195:A:LEU:HD22	4	0.46
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG23	3	0.46
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	18	0.46
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	11	0.46
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	4	0.46
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	15	0.46
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	2	0.46
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	17	0.46
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	2	0.46
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG13	3	0.46
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	3	0.46
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	20	0.46
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	4	0.46
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	8	0.46
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	18	0.46
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	3	0.46
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	16	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	2	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	4	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	5	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	6	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	7	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	8	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	12	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	13	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	14	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	15	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	16	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	17	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	18	0.46
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	20	0.46
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	2	0.46
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	2	0.46
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	3	0.46
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	5	0.46
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	15	0.46
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	19	0.46
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	15	0.46
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG23	9	0.46
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	9	0.46
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB2	19	0.46
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	4	0.46
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	12	0.46
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	18	0.46
(1,4251)	1:235:A:LEU:HD12	1:222:A:TRP:HH2	18	0.46
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	7	0.46
(1,4242)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	4	0.46
(1,4242)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	5	0.46
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	16	0.46
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	14	0.46
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	10	0.46
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	17	0.46
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD21	19	0.46
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	15	0.46
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	6	0.46
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	18	0.46
(1,3949)	1:115:A:LEU:HD22	1:115:A:LEU:HB2	3	0.46
(1,3942)	1:96:A:THR:HG23	1:132:A:TYR:HD2	15	0.46
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	20	0.46
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	4	0.46
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	11	0.46
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	14	0.46
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	6	0.46
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	16	0.46
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE2	4	0.46
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	4	0.46
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	8	0.46
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	15	0.46
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG21	7	0.46
(1,3722)	1:153:A:ILE:HG22	1:194:A:ILE:H	14	0.46
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	18	0.46
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	11	0.46
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG21	17	0.46
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	3	0.46
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	16	0.46
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD11	12	0.46
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	13	0.46
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	14	0.46
(1,3598)	1:152:A:LEU:HD22	1:153:A:ILE:HB	9	0.46
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	20	0.46
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD13	1	0.46
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD13	2	0.46
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD13	5	0.46
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	16	0.46
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	17	0.46
(1,3561)	1:159:A:LEU:HD22	1:159:A:LEU:H	20	0.46
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	15	0.46
(1,3542)	1:16:A:PRO:HG3	1:17:A:ARG:H	17	0.46
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	2	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	1	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	2	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	3	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	4	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	6	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	7	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	9	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	10	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	11	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	12	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	13	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	15	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	16	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	17	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	18	0.46
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	20	0.46
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	5	0.46
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	11	0.46
(1,3431)	1:168:A:ILE:HD11	1:164:A:LYS:HB2	15	0.46
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB1	9	0.46
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	5	0.46
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	15	0.46
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	5	0.46
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	10	0.46
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	10	0.46
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	11	0.46
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	14	0.46
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	17	0.46
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	19	0.46
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	20	0.46
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	1	0.46
(1,3277)	1:42:A:ALA:HB3	1:40:A:ASP:HA	10	0.46
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	13	0.46
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	9	0.46
(1,3180)	1:249:A:SER:HA	1:249:A:SER:HB3	10	0.46
(1,3173)	1:165:A:GLN:HA	1:165:A:GLN:HG2	8	0.46
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	12	0.46
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	6	0.46
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	8	0.46
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	13	0.46
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	16	0.46
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	15	0.46
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	18	0.46
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	1	0.46
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	3	0.46
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	19	0.46
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	11	0.46
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	6	0.46
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG21	8	0.46
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	15	0.46
(1,2998)	1:88:A:ASN:HB2	1:89:A:ASP:HA	12	0.46
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	18	0.46
(1,2966)	1:158:A:LEU:HD11	1:159:A:LEU:HG	2	0.46
(1,2966)	1:158:A:LEU:HD12	1:159:A:LEU:HG	3	0.46
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	20	0.46
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	4	0.46
(1,2924)	1:124:A:LEU:HD21	1:132:A:TYR:HD1	20	0.46
(1,2918)	1:83:A:LEU:HD13	1:98:A:LEU:H	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	3	0.46
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	6	0.46
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	9	0.46
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	1	0.46
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	10	0.46
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	14	0.46
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	15	0.46
(1,2769)	1:239:A:LEU:HD12	1:239:A:LEU:HA	10	0.46
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	9	0.46
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	17	0.46
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	19	0.46
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	10	0.46
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	17	0.46
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	19	0.46
(1,2668)	1:174:A:ALA:HB1	1:178:A:MET:HB2	14	0.46
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	3	0.46
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	13	0.46
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	15	0.46
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	6	0.46
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	1	0.46
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	3	0.46
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	5	0.46
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	7	0.46
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB1	13	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	2	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	3	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG22	5	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG22	8	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	9	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	14	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	16	0.46
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG22	20	0.46
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	5	0.46
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD22	6	0.46
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD22	7	0.46
(1,2579)	1:149:A:LEU:HD12	1:198:A:TRP:H	3	0.46
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD13	18	0.46
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	7	0.46
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE2	16	0.46
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	20	0.46
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD23	6	0.46
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2451)	1:176:A:SER:H	1:175:A:LEU:HD22	16	0.46
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	8	0.46
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	20	0.46
(1,2267)	1:237:A:THR:HG21	1:172:A:TRP:HE1	8	0.46
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	3	0.46
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	8	0.46
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	9	0.46
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD12	10	0.46
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	1	0.46
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	5	0.46
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	6	0.46
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	4	0.46
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	9	0.46
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	15	0.46
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	19	0.46
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	6	0.46
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	7	0.46
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	9	0.46
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	16	0.46
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	8	0.46
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	3	0.46
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	12	0.46
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	16	0.46
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	18	0.46
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	19	0.46
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	1	0.46
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	4	0.46
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	15	0.46
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	20	0.46
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	1	0.46
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	3	0.46
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	12	0.46
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	16	0.46
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	14	0.46
(1,1773)	1:137:A:ILE:HD11	1:155:A:GLN:HG3	7	0.46
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	10	0.46
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	11	0.46
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	9	0.46
(1,1752)	1:154:A:ALA:HB3	1:153:A:ILE:HB	14	0.46
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	3	0.46
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	9	0.46
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:154:A:ALA:HB3	1:151:A:ALA:H	20	0.46
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	15	0.46
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	3	0.46
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	5	0.46
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	20	0.46
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	2	0.46
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	16	0.46
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	14	0.46
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD22	1	0.46
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD21	6	0.46
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD23	12	0.46
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD21	13	0.46
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD22	15	0.46
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD21	18	0.46
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	7	0.46
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	11	0.46
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	8	0.46
(1,1649)	1:76:A:ALA:HB2	1:68:A:VAL:HA	12	0.46
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	2	0.46
(1,1619)	1:37:A:ALA:HB3	1:38:A:GLN:HA	4	0.46
(1,1619)	1:37:A:ALA:HB3	1:38:A:GLN:HA	13	0.46
(1,1619)	1:37:A:ALA:HB3	1:38:A:GLN:HA	20	0.46
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	13	0.46
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB3	4	0.46
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	3	0.46
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	5	0.46
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	18	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	2	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	3	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	5	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	7	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	8	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	10	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	11	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	15	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	16	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	17	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	19	0.46
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	20	0.46
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	7	0.46
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	9	0.46
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	1	0.46
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	2	0.46
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	10	0.46
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD13	7	0.46
(1,1314)	1:136:A:LYS:HB2	1:116:A:LEU:HD11	3	0.46
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	4	0.46
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	1	0.46
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD13	12	0.46
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	15	0.46
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	14	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	3	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	4	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB3	13	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	14	0.46
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	20	0.46
(1,975)	1:218:A:GLY:HA3	1:219:A:ILE:HD11	18	0.46
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	1	0.46
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB2	4	0.46
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	7	0.46
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	12	0.46
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	20	0.46
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	16	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	1	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	7	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	9	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD23	10	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	11	0.46
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	14	0.46
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	17	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	2	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	4	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	12	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	13	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	16	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	18	0.46
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	19	0.46
(1,805)	1:238:A:GLN:HA	1:238:A:GLN:HG2	15	0.46
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	3	0.46
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG21	7	0.46
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	9	0.46
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB1	16	0.46
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	20	0.46
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	1	0.46
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	11	0.46
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	15	0.46
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	3	0.46
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	4	0.46
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD2	10	0.46
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	12	0.46
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	14	0.46
(1,572)	1:146:A:ILE:H	1:146:A:ILE:HG13	3	0.46
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	8	0.46
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	4	0.46
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	11	0.46
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	5	0.46
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	11	0.46
(1,505)	1:136:A:LYS:HG2	1:139:A:ALA:H	7	0.46
(1,495)	1:242:A:VAL:HG12	1:244:A:ALA:H	18	0.46
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	5	0.46
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	19	0.46
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	5	0.46
(1,437)	1:73:A:THR:HA	1:106:A:GLN:HG2	11	0.46
(1,432)	1:243:A:LYS:HE2	1:243:A:LYS:HD3	17	0.46
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG23	19	0.46
(1,415)	1:175:A:LEU:HD13	1:202:A:GLN:HB3	10	0.46
(1,404)	1:142:A:GLY:HA2	1:137:A:ILE:HG23	19	0.46
(1,380)	1:215:A:MET:HG2	1:208:A:ASN:HA	18	0.46
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	5	0.45
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	18	0.45
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	20	0.45
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	5	0.45
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	11	0.45
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG23	14	0.45
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	20	0.45
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	11	0.45
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	17	0.45
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD12	5	0.45
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	20	0.45
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	14	0.45
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	18	0.45
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD22	5	0.45
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	9	0.45
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	5	0.45
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	1	0.45
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	3	0.45
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	9	0.45
(1,4855)	1:116:A:LEU:H	1:116:A:LEU:HB3	11	0.45
(1,4706)	1:28:A:GLN:H	1:28:A:GLN:HB3	1	0.45
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	2	0.45
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	4	0.45
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB3	15	0.45
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	18	0.45
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	13	0.45
(1,4515)	1:205:A:TRP:HH2	1:176:A:SER:HB3	19	0.45
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	15	0.45
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	14	0.45
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	18	0.45
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD21	5	0.45
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	16	0.45
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	17	0.45
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	4	0.45
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD13	16	0.45
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	13	0.45
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	3	0.45
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	11	0.45
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	3	0.45
(1,3942)	1:96:A:THR:HG23	1:132:A:TYR:HD2	7	0.45
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	12	0.45
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	16	0.45
(1,3926)	1:149:A:LEU:HD11	1:150:A:ARG:HD2	8	0.45
(1,3925)	1:149:A:LEU:HD22	1:147:A:ASP:HA	14	0.45
(1,3925)	1:149:A:LEU:HD21	1:147:A:ASP:HA	16	0.45
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	17	0.45
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG21	5	0.45
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG21	11	0.45
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	16	0.45
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	20	0.45
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	3	0.45
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	13	0.45
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	2	0.45
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	8	0.45
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	17	0.45
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	10	0.45
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE1	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	2	0.45
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	10	0.45
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	19	0.45
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	20	0.45
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG22	4	0.45
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG21	8	0.45
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG22	14	0.45
(1,3800)	1:62:A:LEU:HD21	1:62:A:LEU:HA	6	0.45
(1,3780)	1:149:A:LEU:HD11	1:150:A:ARG:HD3	14	0.45
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG23	8	0.45
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG23	2	0.45
(1,3735)	1:119:A:ILE:HD12	1:100:A:VAL:HG21	20	0.45
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	20	0.45
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	11	0.45
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	16	0.45
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG22	15	0.45
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG21	3	0.45
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG21	8	0.45
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	7	0.45
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	15	0.45
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	18	0.45
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	6	0.45
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	7	0.45
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD11	17	0.45
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	18	0.45
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	14	0.45
(1,3583)	1:104:A:LEU:HD12	1:116:A:LEU:HD11	6	0.45
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD11	8	0.45
(1,3561)	1:159:A:LEU:HD22	1:159:A:LEU:H	4	0.45
(1,3561)	1:159:A:LEU:HD22	1:159:A:LEU:H	6	0.45
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	15	0.45
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	18	0.45
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	17	0.45
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	20	0.45
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	14	0.45
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	19	0.45
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD12	18	0.45
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	15	0.45
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	1	0.45
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	7	0.45
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	15	0.45
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	19	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	6	0.45
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	10	0.45
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	17	0.45
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	18	0.45
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	2	0.45
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	12	0.45
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	1	0.45
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	6	0.45
(1,3280)	1:40:A:ASP:HA	1:39:A:ALA:HB1	12	0.45
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	1	0.45
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	3	0.45
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	18	0.45
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	18	0.45
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	16	0.45
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	1	0.45
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	6	0.45
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	7	0.45
(1,3124)	1:146:A:ILE:HG21	1:146:A:ILE:HA	2	0.45
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	3	0.45
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	8	0.45
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	10	0.45
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	12	0.45
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	14	0.45
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	15	0.45
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	16	0.45
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	18	0.45
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	19	0.45
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	20	0.45
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	2	0.45
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	4	0.45
(1,3094)	1:204:A:VAL:HG13	1:204:A:VAL:HA	8	0.45
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	15	0.45
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	2	0.45
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	10	0.45
(1,3056)	1:154:A:ALA:HB1	1:136:A:LYS:HE2	18	0.45
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	10	0.45
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	13	0.45
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	16	0.45
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	15	0.45
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	5	0.45
(1,3031)	1:232:A:ALA:HB3	1:223:A:GLN:HB3	14	0.45
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:232:A:ALA:HB3	1:224:A:LYS:H	14	0.45
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	1	0.45
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	4	0.45
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	4	0.45
(1,2966)	1:158:A:LEU:HD11	1:159:A:LEU:HG	15	0.45
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	16	0.45
(1,2966)	1:158:A:LEU:HD11	1:159:A:LEU:HG	17	0.45
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	13	0.45
(1,2924)	1:124:A:LEU:HD22	1:132:A:TYR:HD1	16	0.45
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	10	0.45
(1,2913)	1:194:A:ILE:HG13	1:193:A:ASN:HB2	10	0.45
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG22	4	0.45
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	17	0.45
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD12	4	0.45
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	10	0.45
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	16	0.45
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	1	0.45
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	20	0.45
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	1	0.45
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	12	0.45
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	15	0.45
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG21	16	0.45
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB1	9	0.45
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB2	15	0.45
(1,2656)	1:173:A:GLN:H	1:171:A:THR:HG22	17	0.45
(1,2648)	1:201:A:LEU:HD21	1:221:A:ASP:H	12	0.45
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	11	0.45
(1,2640)	1:124:A:LEU:HD13	1:132:A:TYR:HB2	12	0.45
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	8	0.45
(1,2629)	1:124:A:LEU:HD13	1:132:A:TYR:HD1	18	0.45
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	8	0.45
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	14	0.45
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	6	0.45
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	10	0.45
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	11	0.45
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD23	2	0.45
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD23	11	0.45
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	11	0.45
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	12	0.45
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	4	0.45
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	4	0.45
(1,2569)	1:104:A:LEU:H	1:104:A:LEU:HD12	15	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE1	1	0.45
(1,2542)	1:48:A:MET:HG2	1:48:A:MET:HE3	11	0.45
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	1	0.45
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	2	0.45
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	19	0.45
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE2	14	0.45
(1,2395)	1:159:A:LEU:HD13	1:163:A:GLU:HG2	10	0.45
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	14	0.45
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	10	0.45
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	17	0.45
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	1	0.45
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	20	0.45
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	9	0.45
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	18	0.45
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	10	0.45
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	2	0.45
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	6	0.45
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	8	0.45
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	10	0.45
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	12	0.45
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	14	0.45
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	1	0.45
(1,1991)	1:168:A:ILE:HD12	1:231:A:GLY:HA3	4	0.45
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	3	0.45
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD13	6	0.45
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE3	20	0.45
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	2	0.45
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	4	0.45
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	6	0.45
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	9	0.45
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	14	0.45
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	20	0.45
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	2	0.45
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	9	0.45
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	10	0.45
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	6	0.45
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	15	0.45
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	6	0.45
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	13	0.45
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	14	0.45
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD21	11	0.45
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1749)	1:154:A:ALA:HB2	1:151:A:ALA:H	18	0.45
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG23	9	0.45
(1,1728)	1:105:A:ALA:H	1:102:A:ILE:HG21	18	0.45
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	13	0.45
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	17	0.45
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	11	0.45
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	13	0.45
(1,1712)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	15	0.45
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	17	0.45
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	20	0.45
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD22	9	0.45
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD22	19	0.45
(1,1649)	1:76:A:ALA:HB1	1:68:A:VAL:HA	5	0.45
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	17	0.45
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	1	0.45
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	8	0.45
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	9	0.45
(1,1632)	1:201:A:LEU:HD21	1:204:A:VAL:H	15	0.45
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	5	0.45
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	8	0.45
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	18	0.45
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	2	0.45
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	4	0.45
(1,1570)	1:97:A:LEU:HD22	1:132:A:TYR:HB3	7	0.45
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	10	0.45
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	9	0.45
(1,1563)	1:73:A:THR:HG22	1:106:A:GLN:HE22	17	0.45
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	18	0.45
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB1	6	0.45
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	17	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	1	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	6	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	9	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	12	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	13	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	14	0.45
(1,1523)	1:136:A:LYS:HG3	1:136:A:LYS:HA	18	0.45
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	18	0.45
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	15	0.45
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	5	0.45
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	10	0.45
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	18	0.45
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	20	0.45
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	5	0.45
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	16	0.45
(1,1459)	1:159:A:LEU:HD23	1:160:A:GLY:H	19	0.45
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	15	0.45
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	13	0.45
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	3	0.45
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	8	0.45
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	16	0.45
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	12	0.45
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	18	0.45
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	20	0.45
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD12	4	0.45
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	15	0.45
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	13	0.45
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	3	0.45
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	16	0.45
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD12	20	0.45
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	5	0.45
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	11	0.45
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	16	0.45
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	19	0.45
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	10	0.45
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	20	0.45
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG11	9	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	3	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB2	11	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	17	0.45
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	18	0.45
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	4	0.45
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	10	0.45
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	2	0.45
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD23	5	0.45
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD22	15	0.45
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	19	0.45
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	1	0.45
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	7	0.45
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	9	0.45
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD21	14	0.45
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	17	0.45
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	11	0.45
(1,723)	1:222:A:TRP:HA	1:201:A:LEU:HD21	8	0.45
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	4	0.45
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	8	0.45
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	14	0.45
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	20	0.45
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	7	0.45
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	5	0.45
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	6	0.45
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	7	0.45
(1,598)	1:70:A:GLU:H	1:72:A:LYS:HD3	17	0.45
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	6	0.45
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	7	0.45
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG22	8	0.45
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	13	0.45
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	6	0.45
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	18	0.45
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	17	0.45
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	10	0.45
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	13	0.45
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	11	0.45
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	20	0.45
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	20	0.45
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE2	6	0.45
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	6	0.45
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	12	0.45
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	15	0.45
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	10	0.45
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	11	0.45
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	7	0.45
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	15	0.45
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	10	0.45
(1,248)	1:189:A:ASN:HA	1:188:A:ILE:HB	19	0.45
(1,243)	1:17:A:ARG:HA	1:17:A:ARG:HD2	13	0.45
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	14	0.45
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	19	0.44
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	9	0.44
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG23	12	0.44
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	14	0.44
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	4	0.44
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	6	0.44
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	16	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	2	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	7	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	10	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	17	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	19	0.44
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	20	0.44
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	4	0.44
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	19	0.44
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	15	0.44
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	7	0.44
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	4	0.44
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	1	0.44
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD23	7	0.44
(1,4892)	1:242:A:VAL:H	1:239:A:LEU:HD21	12	0.44
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	12	0.44
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	15	0.44
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	19	0.44
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	20	0.44
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	8	0.44
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD21	20	0.44
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	14	0.44
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	18	0.44
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	6	0.44
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	12	0.44
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	8	0.44
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	6	0.44
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	12	0.44
(1,4308)	1:83:A:LEU:HD11	1:60:A:GLN:HE21	11	0.44
(1,4302)	1:61:A:LEU:HD11	1:91:A:GLN:HE22	1	0.44
(1,4253)	1:204:A:VAL:HG12	1:203:A:ARG:H	19	0.44
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD21	16	0.44
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD23	4	0.44
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	10	0.44
(1,4067)	1:64:A:ILE:HD13	1:64:A:ILE:HA	5	0.44
(1,4067)	1:64:A:ILE:HD13	1:64:A:ILE:HA	10	0.44
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	18	0.44
(1,4067)	1:64:A:ILE:HD13	1:64:A:ILE:HA	19	0.44
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	19	0.44
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	17	0.44
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	11	0.44
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	1	0.44
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	10	0.44
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	11	0.44
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	19	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	7	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	8	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	10	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD12	11	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	12	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	14	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	17	0.44
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	19	0.44
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	14	0.44
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	17	0.44
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	18	0.44
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	1	0.44
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	17	0.44
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG21	10	0.44
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG22	2	0.44
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG21	5	0.44
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG21	6	0.44
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG23	11	0.44
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG21	13	0.44
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG21	15	0.44
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG21	12	0.44
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB3	18	0.44
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	1	0.44
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	3	0.44
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	4	0.44
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	8	0.44
(1,3725)	1:153:A:ILE:HG23	1:198:A:TRP:HD1	13	0.44
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	17	0.44
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	12	0.44
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	5	0.44
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	6	0.44
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	8	0.44
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	18	0.44
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG23	3	0.44
(1,3662)	1:115:A:LEU:HD22	1:96:A:THR:HG21	9	0.44
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG22	10	0.44
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG23	15	0.44
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG21	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG21	20	0.44
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD23	1	0.44
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	9	0.44
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	20	0.44
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	19	0.44
(1,3583)	1:104:A:LEU:HD13	1:116:A:LEU:HD11	7	0.44
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	2	0.44
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	8	0.44
(1,3561)	1:159:A:LEU:HD22	1:159:A:LEU:H	19	0.44
(1,3477)	1:163:A:GLU:HB3	1:159:A:LEU:HA	8	0.44
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	6	0.44
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	16	0.44
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	1	0.44
(1,3431)	1:168:A:ILE:HD12	1:164:A:LYS:HB2	8	0.44
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	8	0.44
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	13	0.44
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB1	14	0.44
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	17	0.44
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	12	0.44
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	16	0.44
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	14	0.44
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	16	0.44
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	20	0.44
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	8	0.44
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	13	0.44
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	13	0.44
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	10	0.44
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	1	0.44
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	4	0.44
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	5	0.44
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	16	0.44
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	18	0.44
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	9	0.44
(1,3282)	1:88:A:ASN:HA	1:87:A:LEU:HB2	14	0.44
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG12	6	0.44
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	14	0.44
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	1	0.44
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	8	0.44
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	9	0.44
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	18	0.44
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	1	0.44
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3124)	1:146:A:ILE:HG21	1:146:A:ILE:HA	11	0.44
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	13	0.44
(1,3124)	1:146:A:ILE:HG21	1:146:A:ILE:HA	17	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	5	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG22	9	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	11	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	13	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	16	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	18	0.44
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	20	0.44
(1,3094)	1:204:A:VAL:HG12	1:204:A:VAL:HA	1	0.44
(1,3094)	1:204:A:VAL:HG12	1:204:A:VAL:HA	4	0.44
(1,3094)	1:204:A:VAL:HG13	1:204:A:VAL:HA	20	0.44
(1,3056)	1:154:A:ALA:HB2	1:136:A:LYS:HE2	6	0.44
(1,3056)	1:154:A:ALA:HB3	1:136:A:LYS:HE2	12	0.44
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	10	0.44
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	17	0.44
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	10	0.44
(1,3029)	1:232:A:ALA:HB2	1:224:A:LYS:H	15	0.44
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	5	0.44
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	15	0.44
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	6	0.44
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	11	0.44
(1,2966)	1:158:A:LEU:HD12	1:159:A:LEU:HG	20	0.44
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	7	0.44
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	11	0.44
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	1	0.44
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	18	0.44
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	10	0.44
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	4	0.44
(1,2872)	1:188:A:ILE:HG22	1:191:A:ASP:H	19	0.44
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	13	0.44
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	18	0.44
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	1	0.44
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	3	0.44
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	9	0.44
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	19	0.44
(1,2777)	1:97:A:LEU:HD11	1:135:A:ALA:HB1	10	0.44
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	8	0.44
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	6	0.44
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	11	0.44
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	19	0.44
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	7	0.44
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	15	0.44
(1,2687)	1:219:A:ILE:HD12	1:205:A:TRP:HE1	20	0.44
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	13	0.44
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	17	0.44
(1,2671)	1:173:A:GLN:H	1:174:A:ALA:HB2	6	0.44
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB2	13	0.44
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	4	0.44
(1,2659)	1:183:A:ALA:HB1	1:184:A:ASN:HD22	8	0.44
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	10	0.44
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD13	6	0.44
(1,2648)	1:201:A:LEU:HD23	1:221:A:ASP:H	1	0.44
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	17	0.44
(1,2640)	1:124:A:LEU:HD13	1:132:A:TYR:HB2	20	0.44
(1,2630)	1:124:A:LEU:HD11	1:126:A:GLN:HE21	10	0.44
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	2	0.44
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	14	0.44
(1,2629)	1:124:A:LEU:HD13	1:132:A:TYR:HD1	16	0.44
(1,2629)	1:124:A:LEU:HD13	1:132:A:TYR:HD1	20	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	2	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	6	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB2	12	0.44
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	19	0.44
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	2	0.44
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	1	0.44
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD12	11	0.44
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	13	0.44
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD21	3	0.44
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	2	0.44
(1,2586)	1:124:A:LEU:HD21	1:133:A:TRP:HE1	8	0.44
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	9	0.44
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD11	3	0.44
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	10	0.44
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD11	12	0.44
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	13	0.44
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD11	18	0.44
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD13	15	0.44
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD13	16	0.44
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	13	0.44
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	6	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	3	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	9	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	10	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	16	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	17	0.44
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	18	0.44
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	13	0.44
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	19	0.44
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	6	0.44
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	19	0.44
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	3	0.44
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	15	0.44
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	1	0.44
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	13	0.44
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	17	0.44
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	20	0.44
(1,2017)	1:57:A:ILE:HG23	1:53:A:ASP:HB3	19	0.44
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	5	0.44
(1,1991)	1:168:A:ILE:HD12	1:231:A:GLY:HA3	2	0.44
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	8	0.44
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	19	0.44
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	20	0.44
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	5	0.44
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	3	0.44
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	16	0.44
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE1	5	0.44
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE1	10	0.44
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE2	15	0.44
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	8	0.44
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	6	0.44
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	12	0.44
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	10	0.44
(1,1798)	1:168:A:ILE:HD12	1:233:A:LYS:H	2	0.44
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	15	0.44
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	1	0.44
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	4	0.44
(1,1783)	1:188:A:ILE:HD12	1:196:A:GLN:HE22	19	0.44
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	1	0.44
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	2	0.44
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	10	0.44
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	2	0.44
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	9	0.44
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	12	0.44
(1,1752)	1:154:A:ALA:HB3	1:153:A:ILE:HB	6	0.44
(1,1735)	1:33:A:MET:HE2	1:61:A:LEU:H	6	0.44
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	3	0.44
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	6	0.44
(1,1712)	1:57:A:ILE:HG23	1:57:A:ILE:HG12	8	0.44
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD21	11	0.44
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD21	17	0.44
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	8	0.44
(1,1685)	1:135:A:ALA:HB1	1:132:A:TYR:HA	11	0.44
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	2	0.44
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	13	0.44
(1,1662)	1:31:A:ALA:HB3	1:34:A:GLN:HB2	5	0.44
(1,1662)	1:31:A:ALA:HB1	1:34:A:GLN:HB2	16	0.44
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	12	0.44
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	19	0.44
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD12	4	0.44
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD13	6	0.44
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	2	0.44
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	6	0.44
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	7	0.44
(1,1619)	1:37:A:ALA:HB1	1:38:A:GLN:HA	16	0.44
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	19	0.44
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	6	0.44
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	19	0.44
(1,1571)	1:104:A:LEU:HD21	1:112:A:ALA:HB3	11	0.44
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	11	0.44
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	12	0.44
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	13	0.44
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	6	0.44
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	10	0.44
(1,1563)	1:73:A:THR:HG22	1:106:A:GLN:HE22	20	0.44
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB3	8	0.44
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	3	0.44
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	19	0.44
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	14	0.44
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	2	0.44
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	17	0.44
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	10	0.44
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	2	0.44
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	13	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	17	0.44
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	9	0.44
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	20	0.44
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB1	18	0.44
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	16	0.44
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	19	0.44
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	1	0.44
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	3	0.44
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	5	0.44
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	10	0.44
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	14	0.44
(1,1120)	1:193:A:ASN:HB2	1:194:A:ILE:HD13	17	0.44
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	7	0.44
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG23	18	0.44
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB3	1	0.44
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	9	0.44
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	10	0.44
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	4	0.44
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	6	0.44
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	15	0.44
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	5	0.44
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	6	0.44
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB2	8	0.44
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	19	0.44
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	17	0.44
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	2	0.44
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD21	3	0.44
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD23	5	0.44
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD21	11	0.44
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	8	0.44
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD13	10	0.44
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD13	13	0.44
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	19	0.44
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	6	0.44
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	6	0.44
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	18	0.44
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB1	20	0.44
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	13	0.44
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	1	0.44
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	4	0.44
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	10	0.44
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	18	0.44
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG23	14	0.44
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	9	0.44
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	10	0.44
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	4	0.44
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	14	0.44
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	16	0.44
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	17	0.44
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	2	0.44
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	14	0.44
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	18	0.44
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	3	0.44
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	5	0.44
(1,415)	1:175:A:LEU:HD13	1:202:A:GLN:HB3	2	0.44
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	19	0.44
(1,319)	1:195:A:LEU:HD22	1:146:A:ILE:HG12	5	0.44
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	1	0.44
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	17	0.44
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG23	3	0.44
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	20	0.44
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	7	0.43
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	13	0.43
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD12	12	0.43
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	1	0.43
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	5	0.43
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	4	0.43
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	15	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	1	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	3	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	5	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	13	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	14	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	16	0.43
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	18	0.43
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	17	0.43
(1,5286)	1:18:A:GLY:H	1:17:A:ARG:HA	10	0.43
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	7	0.43
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	12	0.43
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG11	1	0.43
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	18	0.43
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	17	0.43
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	12	0.43
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	20	0.43
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	18	0.43
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	7	0.43
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	1	0.43
(1,4864)	1:93:A:ARG:H	1:93:A:ARG:HG2	11	0.43
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	19	0.43
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG22	14	0.43
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG22	19	0.43
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	4	0.43
(1,4569)	1:104:A:LEU:HD13	1:109:A:PHE:HE1	10	0.43
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	11	0.43
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	15	0.43
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	8	0.43
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	14	0.43
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB2	8	0.43
(1,4501)	1:245:A:PHE:HE1	1:212:A:PRO:HB2	14	0.43
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	2	0.43
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	4	0.43
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	10	0.43
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	2	0.43
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	7	0.43
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	19	0.43
(1,4220)	1:168:A:ILE:HD12	1:198:A:TRP:HH2	5	0.43
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	15	0.43
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	9	0.43
(1,4136)	1:129:A:GLN:HG3	1:124:A:LEU:HD22	13	0.43
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	7	0.43
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	8	0.43
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	11	0.43
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	16	0.43
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	20	0.43
(1,4042)	1:61:A:LEU:HD11	1:91:A:GLN:HG3	6	0.43
(1,3987)	1:120:A:THR:HB	1:124:A:LEU:HD23	13	0.43
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	14	0.43
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	9	0.43
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	14	0.43
(1,3926)	1:149:A:LEU:HD13	1:150:A:ARG:HD2	18	0.43
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	3	0.43
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	13	0.43
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	2	0.43
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD11	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	20	0.43
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	12	0.43
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	14	0.43
(1,3807)	1:235:A:LEU:HD13	1:219:A:ILE:HG22	2	0.43
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG21	17	0.43
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG23	1	0.43
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG22	10	0.43
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG21	18	0.43
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG21	19	0.43
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG22	4	0.43
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG21	8	0.43
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG21	9	0.43
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG22	10	0.43
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG23	14	0.43
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG22	18	0.43
(1,3725)	1:153:A:ILE:HG22	1:198:A:TRP:HD1	15	0.43
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	1	0.43
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	2	0.43
(1,3669)	1:55:A:THR:HG23	1:59:A:TRP:HB3	12	0.43
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	15	0.43
(1,3653)	1:100:A:VAL:HG21	1:96:A:THR:HG22	2	0.43
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG23	4	0.43
(1,3653)	1:100:A:VAL:HG21	1:96:A:THR:HG22	5	0.43
(1,3653)	1:100:A:VAL:HG21	1:96:A:THR:HG22	11	0.43
(1,3653)	1:100:A:VAL:HG21	1:96:A:THR:HG22	14	0.43
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	4	0.43
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD21	5	0.43
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD22	8	0.43
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD13	10	0.43
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	9	0.43
(1,3583)	1:104:A:LEU:HD11	1:116:A:LEU:HD13	18	0.43
(1,3561)	1:159:A:LEU:HD21	1:159:A:LEU:H	1	0.43
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	2	0.43
(1,3561)	1:159:A:LEU:HD23	1:159:A:LEU:H	18	0.43
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	3	0.43
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	5	0.43
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	7	0.43
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD11	15	0.43
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	6	0.43
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	7	0.43
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	3	0.43
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	11	0.43
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	6	0.43
(1,3389)	1:241:A:ASN:HB3	1:209:A:ARG:HG3	8	0.43
(1,3389)	1:241:A:ASN:HB3	1:209:A:ARG:HG3	20	0.43
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	9	0.43
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	10	0.43
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	12	0.43
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	3	0.43
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	5	0.43
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	15	0.43
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	13	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	8	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	9	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	11	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	12	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	13	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	15	0.43
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	19	0.43
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	1	0.43
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	10	0.43
(1,3173)	1:165:A:GLN:HA	1:165:A:GLN:HG2	10	0.43
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	4	0.43
(1,3124)	1:146:A:ILE:HG21	1:146:A:ILE:HA	5	0.43
(1,3124)	1:146:A:ILE:HG23	1:146:A:ILE:HA	6	0.43
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	1	0.43
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	3	0.43
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	10	0.43
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	11	0.43
(1,3094)	1:204:A:VAL:HG13	1:204:A:VAL:HA	15	0.43
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	16	0.43
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	13	0.43
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	16	0.43
(1,3054)	1:154:A:ALA:HB3	1:133:A:TRP:HZ3	14	0.43
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	19	0.43
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	6	0.43
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	6	0.43
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	8	0.43
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	13	0.43
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	19	0.43
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	8	0.43
(1,2960)	1:199:A:LEU:HD21	1:175:A:LEU:HG	1	0.43
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	14	0.43
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	19	0.43
(1,2917)	1:124:A:LEU:HD23	1:128:A:GLN:HB2	20	0.43
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	7	0.43
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	5	0.43
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	14	0.43
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	15	0.43
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG22	15	0.43
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	4	0.43
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	5	0.43
(1,2807)	1:136:A:LYS:HE3	1:133:A:TRP:HH2	11	0.43
(1,2756)	1:100:A:VAL:HG21	1:115:A:LEU:HB3	2	0.43
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	19	0.43
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	7	0.43
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	18	0.43
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	20	0.43
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	19	0.43
(1,2705)	1:194:A:ILE:HD13	1:228:A:ASN:HA	2	0.43
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	10	0.43
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	7	0.43
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	13	0.43
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	9	0.43
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	15	0.43
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	16	0.43
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD11	18	0.43
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	16	0.43
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	20	0.43
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	8	0.43
(1,2668)	1:174:A:ALA:HB1	1:178:A:MET:HB2	18	0.43
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	2	0.43
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	3	0.43
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	4	0.43
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB2	5	0.43
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	7	0.43
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	9	0.43
(1,2659)	1:183:A:ALA:HB1	1:184:A:ASN:HD22	5	0.43
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	12	0.43
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	1	0.43
(1,2640)	1:124:A:LEU:HD11	1:132:A:TYR:HB2	5	0.43
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	8	0.43
(1,2640)	1:124:A:LEU:HD13	1:132:A:TYR:HB2	16	0.43
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB2	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	14	0.43
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	19	0.43
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG23	17	0.43
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG21	7	0.43
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	12	0.43
(1,2614)	1:74:A:GLY:H	1:73:A:THR:HG23	19	0.43
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	2	0.43
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	6	0.43
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	16	0.43
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	18	0.43
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	1	0.43
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	10	0.43
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	18	0.43
(1,2586)	1:124:A:LEU:HD21	1:133:A:TRP:HE1	20	0.43
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD11	20	0.43
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	1	0.43
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	8	0.43
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	11	0.43
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB2	18	0.43
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	6	0.43
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	4	0.43
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	7	0.43
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	18	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	1	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	4	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	5	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	8	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	11	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	12	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	14	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	15	0.43
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	20	0.43
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	16	0.43
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	4	0.43
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	14	0.43
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	18	0.43
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	6	0.43
(1,2259)	1:239:A:LEU:HD23	1:236:A:PRO:HB3	14	0.43
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	19	0.43
(1,2226)	1:55:A:THR:HG21	1:58:A:ASN:HB2	18	0.43
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	9	0.43
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD21	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	17	0.43
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	18	0.43
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	3	0.43
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	5	0.43
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	7	0.43
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	14	0.43
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	17	0.43
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	18	0.43
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD12	10	0.43
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD12	17	0.43
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	6	0.43
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	15	0.43
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	18	0.43
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	4	0.43
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	11	0.43
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	12	0.43
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	14	0.43
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	15	0.43
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE3	1	0.43
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	5	0.43
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	10	0.43
(1,1798)	1:168:A:ILE:HD12	1:233:A:LYS:H	4	0.43
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	3	0.43
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	17	0.43
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	8	0.43
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	8	0.43
(1,1749)	1:154:A:ALA:HB1	1:151:A:ALA:H	8	0.43
(1,1749)	1:154:A:ALA:HB3	1:151:A:ALA:H	14	0.43
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	9	0.43
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	5	0.43
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	4	0.43
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	5	0.43
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD23	2	0.43
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD23	8	0.43
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB3	12	0.43
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	2	0.43
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	4	0.43
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	9	0.43
(1,1680)	1:90:A:ALA:HB2	1:90:A:ALA:HA	12	0.43
(1,1680)	1:90:A:ALA:HB2	1:90:A:ALA:HA	15	0.43
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	14	0.43
(1,1649)	1:76:A:ALA:HB3	1:68:A:VAL:HA	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG23	19	0.43
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	4	0.43
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	11	0.43
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	16	0.43
(1,1632)	1:201:A:LEU:HD23	1:204:A:VAL:H	17	0.43
(1,1619)	1:37:A:ALA:HB3	1:38:A:GLN:HA	9	0.43
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	14	0.43
(1,1619)	1:37:A:ALA:HB1	1:38:A:GLN:HA	17	0.43
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	6	0.43
(1,1563)	1:73:A:THR:HG22	1:106:A:GLN:HE22	5	0.43
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	16	0.43
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	1	0.43
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB2	7	0.43
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB1	18	0.43
(1,1493)	1:148:A:LEU:HD22	1:148:A:LEU:HD12	5	0.43
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB3	19	0.43
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	4	0.43
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	16	0.43
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	15	0.43
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	9	0.43
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	12	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD12	1	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	8	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	14	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD12	18	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	19	0.43
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	20	0.43
(1,1393)	1:136:A:LYS:HD2	1:147:A:ASP:HB3	15	0.43
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	3	0.43
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	10	0.43
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	18	0.43
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	20	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	3	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	5	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	11	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	18	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	19	0.43
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	20	0.43
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG21	6	0.43
(1,1181)	1:223:A:GLN:HG2	1:219:A:ILE:HG22	12	0.43
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	8	0.43
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	13	0.43
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	14	0.43
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	5	0.43
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	6	0.43
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	20	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	2	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	4	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	6	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	8	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	9	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	11	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	12	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	13	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	15	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	16	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	17	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	18	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	19	0.43
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	20	0.43
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB2	18	0.43
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	1	0.43
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	9	0.43
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	18	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	4	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	6	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	8	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	10	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	12	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	15	0.43
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	20	0.43
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB2	6	0.43
(1,977)	1:218:A:GLY:HA2	1:217:A:ALA:HB1	17	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	1	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	2	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	3	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	8	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	9	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	11	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	12	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	13	0.43
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	17	0.43
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB2	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	16	0.43
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	13	0.43
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	1	0.43
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD23	8	0.43
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	13	0.43
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD23	16	0.43
(1,905)	1:99:A:ALA:HA	1:115:A:LEU:HD21	17	0.43
(1,862)	1:141:A:GLN:HA	1:141:A:GLN:HE22	5	0.43
(1,852)	1:175:A:LEU:HA	1:175:A:LEU:HD22	8	0.43
(1,805)	1:238:A:GLN:HA	1:238:A:GLN:HG2	6	0.43
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	2	0.43
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	5	0.43
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	12	0.43
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	14	0.43
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	1	0.43
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB1	18	0.43
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	11	0.43
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	19	0.43
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG11	18	0.43
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	3	0.43
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	14	0.43
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	8	0.43
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB1	9	0.43
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB2	16	0.43
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG21	2	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	10	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	11	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	12	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	14	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	15	0.43
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	18	0.43
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	1	0.43
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG22	4	0.43
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	9	0.43
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	16	0.43
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG21	18	0.43
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG22	20	0.43
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	5	0.43
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	9	0.43
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	13	0.43
(1,545)	1:43:A:PHE:HE1	1:59:A:TRP:HZ2	19	0.43
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG21	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	5	0.43
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	6	0.43
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	16	0.43
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	8	0.43
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	12	0.43
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD13	4	0.43
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	19	0.43
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	12	0.43
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	17	0.43
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	13	0.43
(1,375)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	5	0.43
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	2	0.43
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	16	0.43
(1,324)	1:243:A:LYS:HG3	1:243:A:LYS:HB3	8	0.43
(1,324)	1:243:A:LYS:HG3	1:243:A:LYS:HB3	11	0.43
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	17	0.43
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG21	11	0.43
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	13	0.43
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	19	0.43
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	5	0.43
(1,269)	1:89:A:ASP:HB2	1:91:A:GLN:H	1	0.43
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	1	0.43
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	9	0.43
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	18	0.42
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	16	0.42
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	1	0.42
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	7	0.42
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD12	19	0.42
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD12	20	0.42
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	4	0.42
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	17	0.42
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	18	0.42
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	17	0.42
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	6	0.42
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD12	6	0.42
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG13	10	0.42
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	12	0.42
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	4	0.42
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	20	0.42
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	8	0.42
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	16	0.42
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	14	0.42
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	5	0.42
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	3	0.42
(1,4569)	1:104:A:LEU:HD13	1:109:A:PHE:HE1	6	0.42
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	2	0.42
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	10	0.42
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	13	0.42
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	14	0.42
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	18	0.42
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	18	0.42
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	12	0.42
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	14	0.42
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG21	5	0.42
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	16	0.42
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	4	0.42
(1,3942)	1:96:A:THR:HG23	1:132:A:TYR:HD2	4	0.42
(1,3942)	1:96:A:THR:HG23	1:132:A:TYR:HD2	6	0.42
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	13	0.42
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	6	0.42
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	10	0.42
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	18	0.42
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	17	0.42
(1,3888)	1:75:A:GLN:H	1:67:A:LEU:HD13	9	0.42
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	1	0.42
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD23	11	0.42
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	7	0.42
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	12	0.42
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG22	3	0.42
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG22	5	0.42
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG21	11	0.42
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG23	3	0.42
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG22	4	0.42
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG22	12	0.42
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG22	17	0.42
(1,3735)	1:119:A:ILE:HD12	1:100:A:VAL:HG21	3	0.42
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG21	16	0.42
(1,3725)	1:153:A:ILE:HG22	1:198:A:TRP:HD1	10	0.42
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	19	0.42
(1,3722)	1:153:A:ILE:HG22	1:194:A:ILE:H	10	0.42
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	19	0.42
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	9	0.42
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD22	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD23	15	0.42
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	17	0.42
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG21	1	0.42
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG22	9	0.42
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG22	18	0.42
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	9	0.42
(1,3631)	1:202:A:GLN:H	1:201:A:LEU:HD12	3	0.42
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	15	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	4	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	6	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	11	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	12	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	16	0.42
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	17	0.42
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	13	0.42
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	16	0.42
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	19	0.42
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	10	0.42
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	18	0.42
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB3	19	0.42
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	11	0.42
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	2	0.42
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	13	0.42
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	4	0.42
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	16	0.42
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	7	0.42
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	7	0.42
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	8	0.42
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	16	0.42
(1,3249)	1:184:A:ASN:HA	1:184:A:ASN:HD22	16	0.42
(1,3215)	1:47:A:GLN:HA	1:51:A:SER:HB3	9	0.42
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	7	0.42
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	1	0.42
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	3	0.42
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	5	0.42
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD22	15	0.42
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	19	0.42
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	16	0.42
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	17	0.42
(1,3124)	1:146:A:ILE:HG22	1:146:A:ILE:HA	7	0.42
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	7	0.42
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	9	0.42
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	1	0.42
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	3	0.42
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG23	3	0.42
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	7	0.42
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	11	0.42
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	2	0.42
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	7	0.42
(1,3029)	1:232:A:ALA:HB1	1:224:A:LYS:H	18	0.42
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	11	0.42
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	17	0.42
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	7	0.42
(1,2966)	1:158:A:LEU:HD13	1:159:A:LEU:HG	13	0.42
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	2	0.42
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	18	0.42
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	20	0.42
(1,2917)	1:124:A:LEU:HD21	1:128:A:GLN:HB2	2	0.42
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	3	0.42
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	6	0.42
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	5	0.42
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG21	11	0.42
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	12	0.42
(1,2756)	1:100:A:VAL:HG21	1:115:A:LEU:HB3	11	0.42
(1,2756)	1:100:A:VAL:HG21	1:115:A:LEU:HB3	14	0.42
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	17	0.42
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	14	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	1	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD13	2	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	4	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	5	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	8	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD13	10	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	11	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	13	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	17	0.42
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	19	0.42
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	5	0.42
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	14	0.42
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	5	0.42
(1,2687)	1:219:A:ILE:HD12	1:205:A:TRP:HE1	7	0.42
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	3	0.42
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	5	0.42
(1,2675)	1:102:A:ILE:HG22	1:108:A:ASP:HB3	1	0.42
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	12	0.42
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	14	0.42
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	2	0.42
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG21	5	0.42
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	6	0.42
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	12	0.42
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	19	0.42
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	20	0.42
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB2	15	0.42
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	19	0.42
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	6	0.42
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD12	4	0.42
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD13	13	0.42
(1,2640)	1:124:A:LEU:HD13	1:132:A:TYR:HB2	18	0.42
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	3	0.42
(1,2629)	1:124:A:LEU:HD12	1:132:A:TYR:HD1	7	0.42
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB1	9	0.42
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	15	0.42
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB3	18	0.42
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	4	0.42
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	7	0.42
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	10	0.42
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	16	0.42
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	14	0.42
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	15	0.42
(1,2590)	1:124:A:LEU:HD23	1:97:A:LEU:HD22	8	0.42
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD21	12	0.42
(1,2590)	1:124:A:LEU:HD23	1:97:A:LEU:HD23	20	0.42
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	6	0.42
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	15	0.42
(1,2586)	1:124:A:LEU:HD21	1:133:A:TRP:HE1	19	0.42
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	9	0.42
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	10	0.42
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	19	0.42
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	13	0.42
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	17	0.42
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE2	1	0.42
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	1	0.42
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG21	7	0.42
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG23	13	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	19	0.42
(1,2351)	1:199:A:LEU:HD22	1:178:A:MET:HG2	3	0.42
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	11	0.42
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	2	0.42
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	8	0.42
(1,2265)	1:237:A:THR:HG22	1:241:A:ASN:HB2	5	0.42
(1,2265)	1:237:A:THR:HG22	1:241:A:ASN:HB2	9	0.42
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	16	0.42
(1,2259)	1:239:A:LEU:HD23	1:236:A:PRO:HB3	13	0.42
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	20	0.42
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	1	0.42
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	6	0.42
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	19	0.42
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	2	0.42
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	3	0.42
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	14	0.42
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	16	0.42
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	9	0.42
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	11	0.42
(1,1975)	1:240:A:VAL:H	1:239:A:LEU:HD11	11	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	1	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	3	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	5	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	6	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	9	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	16	0.42
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	17	0.42
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE1	3	0.42
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE2	4	0.42
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE2	8	0.42
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE3	11	0.42
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE2	14	0.42
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE2	17	0.42
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	3	0.42
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	8	0.42
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	14	0.42
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	15	0.42
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	10	0.42
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	6	0.42
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	3	0.42
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	8	0.42
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1773)	1:137:A:ILE:HD11	1:155:A:GLN:HG3	16	0.42
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	4	0.42
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	19	0.42
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD22	5	0.42
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	2	0.42
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	5	0.42
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	13	0.42
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	3	0.42
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	7	0.42
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	1	0.42
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD22	5	0.42
(1,1690)	1:219:A:ILE:HG21	1:201:A:LEU:HD22	10	0.42
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB3	20	0.42
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	6	0.42
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	7	0.42
(1,1680)	1:90:A:ALA:HB2	1:90:A:ALA:HA	14	0.42
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	16	0.42
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	18	0.42
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	5	0.42
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD13	7	0.42
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD13	11	0.42
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG22	18	0.42
(1,1632)	1:201:A:LEU:HD22	1:204:A:VAL:H	14	0.42
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	4	0.42
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	17	0.42
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB3	5	0.42
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	7	0.42
(1,1563)	1:73:A:THR:HG22	1:106:A:GLN:HE22	8	0.42
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	12	0.42
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB3	13	0.42
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	14	0.42
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB2	16	0.42
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	18	0.42
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	17	0.42
(1,1493)	1:148:A:LEU:HD22	1:148:A:LEU:HD13	2	0.42
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD12	6	0.42
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD11	12	0.42
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD11	14	0.42
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD12	15	0.42
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD12	20	0.42
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	2	0.42
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	12	0.42
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	13	0.42
(1,1465)	1:87:A:LEU:HD23	1:96:A:THR:H	15	0.42
(1,1459)	1:159:A:LEU:HD21	1:160:A:GLY:H	3	0.42
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	5	0.42
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD12	6	0.42
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	11	0.42
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	9	0.42
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	9	0.42
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	10	0.42
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	11	0.42
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	13	0.42
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	16	0.42
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	9	0.42
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	4	0.42
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	7	0.42
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	15	0.42
(1,1137)	1:210:A:ASN:HB2	1:210:A:ASN:HD22	17	0.42
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	12	0.42
(1,1131)	1:114:A:ASN:HB3	1:114:A:ASN:HA	7	0.42
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	8	0.42
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	14	0.42
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB2	16	0.42
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	19	0.42
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	11	0.42
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	1	0.42
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	2	0.42
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	3	0.42
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG21	11	0.42
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	12	0.42
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	7	0.42
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	16	0.42
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG13	16	0.42
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB1	14	0.42
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	2	0.42
(1,805)	1:238:A:GLN:HA	1:238:A:GLN:HG2	11	0.42
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	4	0.42
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD12	15	0.42
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD13	16	0.42
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	3	0.42
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	8	0.42
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG21	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	16	0.42
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	9	0.42
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	2	0.42
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB1	13	0.42
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	6	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	4	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	9	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	10	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	13	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	15	0.42
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	19	0.42
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	2	0.42
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	3	0.42
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	5	0.42
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	19	0.42
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	20	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	1	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	4	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	7	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	12	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	14	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	15	0.42
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	17	0.42
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	12	0.42
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	8	0.42
(1,532)	1:178:A:MET:HG3	1:179:A:THR:HG22	17	0.42
(1,514)	1:175:A:LEU:HA	1:202:A:GLN:HA	18	0.42
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	6	0.42
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	15	0.42
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	2	0.42
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	6	0.42
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	18	0.42
(1,471)	1:150:A:ARG:HA	1:147:A:ASP:HA	1	0.42
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD23	1	0.42
(1,441)	1:66:A:ALA:HB1	1:44:A:TYR:HB2	6	0.42
(1,441)	1:66:A:ALA:HB2	1:44:A:TYR:HB2	7	0.42
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	6	0.42
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG21	9	0.42
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB3	7	0.42
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	11	0.42
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	12	0.42
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB3	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	14	0.42
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	1	0.42
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	3	0.42
(1,335)	1:36:A:THR:HG23	1:36:A:THR:HB	4	0.42
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	6	0.42
(1,335)	1:36:A:THR:HG23	1:36:A:THR:HB	7	0.42
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	8	0.42
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	9	0.42
(1,335)	1:250:A:THR:HG21	1:250:A:THR:HB	10	0.42
(1,335)	1:250:A:THR:HG22	1:250:A:THR:HB	12	0.42
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	13	0.42
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	14	0.42
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	19	0.42
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	20	0.42
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	3	0.42
(1,319)	1:195:A:LEU:HD22	1:146:A:ILE:HG12	7	0.42
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	11	0.42
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG21	19	0.42
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	14	0.42
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	11	0.42
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	12	0.42
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	1	0.41
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	10	0.41
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	12	0.41
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	14	0.41
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	16	0.41
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	2	0.41
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	13	0.41
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	6	0.41
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	11	0.41
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	15	0.41
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	2	0.41
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG21	10	0.41
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	8	0.41
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	4	0.41
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	5	0.41
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	13	0.41
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	18	0.41
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	13	0.41
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	4	0.41
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	8	0.41
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB1	9	0.41
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	6	0.41
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	16	0.41
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	19	0.41
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	14	0.41
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	9	0.41
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	12	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	1	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	3	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	5	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	7	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	8	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	11	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	13	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	15	0.41
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	19	0.41
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	19	0.41
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	1	0.41
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD21	11	0.41
(1,4697)	1:169:A:ASP:H	1:168:A:ILE:HG13	13	0.41
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	17	0.41
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG21	6	0.41
(1,4588)	1:237:A:THR:H	1:240:A:VAL:HG21	20	0.41
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	2	0.41
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	5	0.41
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	12	0.41
(1,4569)	1:104:A:LEU:HD13	1:109:A:PHE:HE1	14	0.41
(1,4569)	1:104:A:LEU:HD13	1:109:A:PHE:HE1	20	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	1	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	2	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	7	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	9	0.41
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB2	20	0.41
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	10	0.41
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	13	0.41
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	15	0.41
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	16	0.41
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	3	0.41
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	2	0.41
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	3	0.41
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	20	0.41
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	3	0.41
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	13	0.41
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	4	0.41
(1,4147)	1:61:A:LEU:HD12	1:95:A:LYS:HA	16	0.41
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	12	0.41
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	9	0.41
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	15	0.41
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD12	13	0.41
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG23	20	0.41
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	20	0.41
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	8	0.41
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	18	0.41
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	1	0.41
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	19	0.41
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	20	0.41
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	13	0.41
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	15	0.41
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	7	0.41
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB1	13	0.41
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD13	15	0.41
(1,3866)	1:58:A:ASN:HB2	1:33:A:MET:HE3	6	0.41
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD21	13	0.41
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG23	9	0.41
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG23	13	0.41
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	1	0.41
(1,3748)	1:174:A:ALA:HB3	1:171:A:THR:HG23	16	0.41
(1,3748)	1:174:A:ALA:HB1	1:171:A:THR:HG23	20	0.41
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	1	0.41
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	11	0.41
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG22	1	0.41
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG21	7	0.41
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB1	4	0.41
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	9	0.41
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	7	0.41
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	20	0.41
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	1	0.41
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	3	0.41
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	13	0.41
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD22	8	0.41
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	3	0.41
(1,3649)	1:62:A:LEU:HD12	1:62:A:LEU:H	15	0.41
(1,3644)	1:138:A:ASP:H	1:104:A:LEU:HD23	11	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	10	0.41
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	12	0.41
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	14	0.41
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	18	0.41
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	1	0.41
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	9	0.41
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	13	0.41
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG22	15	0.41
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	19	0.41
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG23	20	0.41
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	2	0.41
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	20	0.41
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB3	13	0.41
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	13	0.41
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	19	0.41
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	18	0.41
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	2	0.41
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	7	0.41
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	8	0.41
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	12	0.41
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	6	0.41
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD21	13	0.41
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	17	0.41
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG23	19	0.41
(1,3094)	1:204:A:VAL:HG12	1:204:A:VAL:HA	14	0.41
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	3	0.41
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	18	0.41
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	2	0.41
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	12	0.41
(1,3030)	1:229:A:ASN:HB2	1:232:A:ALA:HB1	19	0.41
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	13	0.41
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	1	0.41
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	3	0.41
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG21	17	0.41
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	12	0.41
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	5	0.41
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	18	0.41
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	2	0.41
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	5	0.41
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	12	0.41
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	13	0.41
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	14	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:163:A:GLU:HG2	1:162:A:LYS:HD2	1	0.41
(1,2867)	1:95:A:LYS:HE2	1:96:A:THR:HG23	19	0.41
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	9	0.41
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	6	0.41
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	11	0.41
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	19	0.41
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	1	0.41
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	1	0.41
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	7	0.41
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	16	0.41
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	3	0.41
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	12	0.41
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	14	0.41
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	15	0.41
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD12	16	0.41
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	16	0.41
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	7	0.41
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	1	0.41
(1,2697)	1:102:A:ILE:HD11	1:98:A:LEU:HA	8	0.41
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	17	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	1	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	8	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD11	12	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	13	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	14	0.41
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	19	0.41
(1,2675)	1:102:A:ILE:HG21	1:108:A:ASP:HB3	5	0.41
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	1	0.41
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	9	0.41
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG21	13	0.41
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	8	0.41
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	17	0.41
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB2	18	0.41
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	20	0.41
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	1	0.41
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD11	16	0.41
(1,2648)	1:201:A:LEU:HD22	1:221:A:ASP:H	13	0.41
(1,2640)	1:124:A:LEU:HD12	1:132:A:TYR:HB2	4	0.41
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	13	0.41
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	5	0.41
(1,2629)	1:124:A:LEU:HD11	1:132:A:TYR:HD1	17	0.41
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB1	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	18	0.41
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	9	0.41
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	12	0.41
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD21	17	0.41
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD23	18	0.41
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	3	0.41
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	4	0.41
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	7	0.41
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	13	0.41
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	14	0.41
(1,2586)	1:124:A:LEU:HD22	1:133:A:TRP:HE1	16	0.41
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	1	0.41
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	5	0.41
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	15	0.41
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	15	0.41
(1,2579)	1:149:A:LEU:HD12	1:198:A:TRP:H	18	0.41
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	4	0.41
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB3	10	0.41
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB1	7	0.41
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB2	15	0.41
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB1	19	0.41
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	3	0.41
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD13	7	0.41
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	4	0.41
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB1	9	0.41
(1,2354)	1:242:A:VAL:HB	1:242:A:VAL:HG22	6	0.41
(1,2351)	1:199:A:LEU:HD22	1:178:A:MET:HG2	1	0.41
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	7	0.41
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	12	0.41
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	17	0.41
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	18	0.41
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	11	0.41
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	10	0.41
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	11	0.41
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD12	7	0.41
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	14	0.41
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD12	16	0.41
(1,2265)	1:237:A:THR:HG22	1:241:A:ASN:HB2	4	0.41
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	1	0.41
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	4	0.41
(1,2259)	1:239:A:LEU:HD23	1:236:A:PRO:HB3	5	0.41
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	8	0.41
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	4	0.41
(1,2201)	1:137:A:ILE:HG22	1:140:A:SER:HB2	15	0.41
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	5	0.41
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	7	0.41
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD21	19	0.41
(1,1991)	1:168:A:ILE:HD11	1:231:A:GLY:HA3	1	0.41
(1,1991)	1:168:A:ILE:HD13	1:231:A:GLY:HA3	15	0.41
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	2	0.41
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	4	0.41
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	5	0.41
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	9	0.41
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	2	0.41
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	10	0.41
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	20	0.41
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE2	12	0.41
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE3	18	0.41
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE1	19	0.41
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	19	0.41
(1,1806)	1:176:A:SER:HB2	1:173:A:GLN:HE21	17	0.41
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	13	0.41
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	19	0.41
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	9	0.41
(1,1788)	1:102:A:ILE:HD12	1:80:A:PHE:HB3	14	0.41
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	5	0.41
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	19	0.41
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD13	16	0.41
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	1	0.41
(1,1752)	1:154:A:ALA:HB3	1:153:A:ILE:HB	4	0.41
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	15	0.41
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	3	0.41
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	18	0.41
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	1	0.41
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	8	0.41
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	9	0.41
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	17	0.41
(1,1712)	1:57:A:ILE:HG21	1:57:A:ILE:HG12	3	0.41
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	9	0.41
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	12	0.41
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	14	0.41
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	14	0.41
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD23	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1690)	1:219:A:ILE:HG23	1:201:A:LEU:HD23	16	0.41
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	3	0.41
(1,1685)	1:135:A:ALA:HB1	1:132:A:TYR:HA	4	0.41
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	3	0.41
(1,1680)	1:90:A:ALA:HB2	1:90:A:ALA:HA	8	0.41
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	10	0.41
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	11	0.41
(1,1680)	1:90:A:ALA:HB1	1:90:A:ALA:HA	17	0.41
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	19	0.41
(1,1658)	1:66:A:ALA:HB3	1:40:A:ASP:HA	15	0.41
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	18	0.41
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD12	2	0.41
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD11	3	0.41
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD13	12	0.41
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	1	0.41
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	13	0.41
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	20	0.41
(1,1571)	1:104:A:LEU:HD23	1:112:A:ALA:HB1	8	0.41
(1,1571)	1:104:A:LEU:HD22	1:112:A:ALA:HB1	14	0.41
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	9	0.41
(1,1563)	1:73:A:THR:HG21	1:106:A:GLN:HE22	1	0.41
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	2	0.41
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	12	0.41
(1,1536)	1:116:A:LEU:HD12	1:135:A:ALA:HB1	19	0.41
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB2	20	0.41
(1,1493)	1:148:A:LEU:HD22	1:148:A:LEU:HD13	1	0.41
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD12	3	0.41
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD13	4	0.41
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD11	7	0.41
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD13	9	0.41
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD12	10	0.41
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD13	17	0.41
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	3	0.41
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	11	0.41
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	4	0.41
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	15	0.41
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	4	0.41
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	7	0.41
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	1	0.41
(1,1249)	1:46:A:GLN:HG3	1:47:A:GLN:HG2	19	0.41
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	1	0.41
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	7	0.41
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	8	0.41
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	9	0.41
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	12	0.41
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	15	0.41
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	20	0.41
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	10	0.41
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	7	0.41
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB1	8	0.41
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	15	0.41
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	16	0.41
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	2	0.41
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	7	0.41
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	17	0.41
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	6	0.41
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	7	0.41
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB2	15	0.41
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	2	0.41
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	12	0.41
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	13	0.41
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	7	0.41
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	11	0.41
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	14	0.41
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	19	0.41
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	10	0.41
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	5	0.41
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	14	0.41
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	18	0.41
(1,949)	1:120:A:THR:H	1:121:A:PRO:HD2	19	0.41
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	3	0.41
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	19	0.41
(1,805)	1:238:A:GLN:HA	1:238:A:GLN:HG2	10	0.41
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	1	0.41
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	7	0.41
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	19	0.41
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	9	0.41
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	7	0.41
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB3	14	0.41
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	7	0.41
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	18	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	1	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	7	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG21	11	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG21	14	0.41
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	18	0.41
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	8	0.41
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB3	9	0.41
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB1	16	0.41
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG23	2	0.41
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG22	5	0.41
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	6	0.41
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	2	0.41
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	3	0.41
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	10	0.41
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	16	0.41
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	20	0.41
(1,513)	1:30:A:THR:HB	1:34:A:GLN:HG3	17	0.41
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	5	0.41
(1,495)	1:242:A:VAL:HG12	1:244:A:ALA:H	1	0.41
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	9	0.41
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	7	0.41
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	18	0.41
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	14	0.41
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	9	0.41
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB3	6	0.41
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	8	0.41
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	14	0.41
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	16	0.41
(1,415)	1:175:A:LEU:HD13	1:202:A:GLN:HB3	18	0.41
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	5	0.41
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	17	0.41
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	5	0.41
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	7	0.41
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	10	0.41
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	12	0.41
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	6	0.41
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	9	0.41
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	18	0.41
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	3	0.4
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG22	4	0.4
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	20	0.4
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	6	0.4
(1,5795)	1:153:A:ILE:H	1:194:A:ILE:HG21	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	6	0.4
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	8	0.4
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD12	18	0.4
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	7	0.4
(1,5694)	1:21:A:MET:H	1:21:A:MET:HB2	16	0.4
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	1	0.4
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	11	0.4
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	6	0.4
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	16	0.4
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG22	6	0.4
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG22	9	0.4
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	18	0.4
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD12	14	0.4
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD12	16	0.4
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	17	0.4
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	15	0.4
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG12	9	0.4
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	13	0.4
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	15	0.4
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	5	0.4
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	17	0.4
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	6	0.4
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD13	10	0.4
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD13	18	0.4
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	2	0.4
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	4	0.4
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	14	0.4
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	17	0.4
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG21	2	0.4
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG21	4	0.4
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG21	12	0.4
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	13	0.4
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	2	0.4
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	10	0.4
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	13	0.4
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	18	0.4
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	19	0.4
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	3	0.4
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB2	5	0.4
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	11	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	1	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	3	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	4	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	5	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	6	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	7	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	8	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	11	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	12	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	14	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	17	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	18	0.4
(1,4527)	1:206:A:PHE:HD2	1:206:A:PHE:HE2	19	0.4
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	20	0.4
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	8	0.4
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	10	0.4
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	8	0.4
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	1	0.4
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	16	0.4
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	3	0.4
(1,4067)	1:64:A:ILE:HD13	1:64:A:ILE:HA	1	0.4
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	2	0.4
(1,4067)	1:64:A:ILE:HD13	1:64:A:ILE:HA	7	0.4
(1,3990)	1:30:A:THR:HB	1:33:A:MET:HB3	14	0.4
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	6	0.4
(1,3942)	1:96:A:THR:HG21	1:132:A:TYR:HD2	17	0.4
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	6	0.4
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	15	0.4
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	16	0.4
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG21	2	0.4
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	3	0.4
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	12	0.4
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD23	8	0.4
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	12	0.4
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD22	10	0.4
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG23	7	0.4
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG23	15	0.4
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	15	0.4
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD21	18	0.4
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB3	12	0.4
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	2	0.4
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	7	0.4
(1,3725)	1:153:A:ILE:HG22	1:198:A:TRP:HD1	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	18	0.4
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	2	0.4
(1,3722)	1:153:A:ILE:HG22	1:194:A:ILE:H	6	0.4
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	11	0.4
(1,3722)	1:153:A:ILE:HG22	1:194:A:ILE:H	15	0.4
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	17	0.4
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	6	0.4
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	6	0.4
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD23	1	0.4
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD23	3	0.4
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD22	4	0.4
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD21	10	0.4
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD21	13	0.4
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG13	4	0.4
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	18	0.4
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG23	6	0.4
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG22	13	0.4
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	10	0.4
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD11	14	0.4
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	19	0.4
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	12	0.4
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	19	0.4
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	7	0.4
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	20	0.4
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	1	0.4
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	3	0.4
(1,3387)	1:114:A:ASN:HB3	1:111:A:GLY:HA3	17	0.4
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	7	0.4
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	11	0.4
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG21	14	0.4
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	20	0.4
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	10	0.4
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG21	3	0.4
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	10	0.4
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB1	17	0.4
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	3	0.4
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	12	0.4
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG12	17	0.4
(1,3133)	1:84:A:PRO:HA	1:87:A:LEU:HD23	11	0.4
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	13	0.4
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	15	0.4
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	16	0.4
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	5	0.4
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG23	14	0.4
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	17	0.4
(1,3031)	1:232:A:ALA:HB3	1:223:A:GLN:HB3	9	0.4
(1,3031)	1:232:A:ALA:HB3	1:223:A:GLN:HB3	16	0.4
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	7	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	3	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	8	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	9	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	13	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	15	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	16	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	17	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	18	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	19	0.4
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	20	0.4
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	6	0.4
(1,2960)	1:199:A:LEU:HD21	1:175:A:LEU:HG	3	0.4
(1,2945)	1:83:A:LEU:HD23	1:80:A:PHE:HE1	6	0.4
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	12	0.4
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	3	0.4
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	17	0.4
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	4	0.4
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	9	0.4
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	17	0.4
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	19	0.4
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	8	0.4
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	13	0.4
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	7	0.4
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	17	0.4
(1,2756)	1:100:A:VAL:HG21	1:115:A:LEU:HB3	5	0.4
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	6	0.4
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	12	0.4
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	6	0.4
(1,2721)	1:98:A:LEU:H	1:97:A:LEU:HD11	9	0.4
(1,2714)	1:30:A:THR:HB	1:29:A:SER:HB3	17	0.4
(1,2705)	1:194:A:ILE:HD11	1:228:A:ASN:HA	17	0.4
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	1	0.4
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	16	0.4
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	17	0.4
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	2	0.4
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD11	6	0.4
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD11	7	0.4
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	10	0.4
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD13	11	0.4
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD12	17	0.4
(1,2682)	1:218:A:GLY:H	1:219:A:ILE:HD11	20	0.4
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	2	0.4
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	5	0.4
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	7	0.4
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	15	0.4
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	4	0.4
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	7	0.4
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	6	0.4
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB2	16	0.4
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	7	0.4
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD13	15	0.4
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD13	18	0.4
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD12	16	0.4
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	8	0.4
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	9	0.4
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	11	0.4
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	1	0.4
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	3	0.4
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	12	0.4
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD21	10	0.4
(1,2586)	1:124:A:LEU:HD21	1:133:A:TRP:HE1	5	0.4
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD11	2	0.4
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	7	0.4
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	11	0.4
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	17	0.4
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	6	0.4
(1,2579)	1:149:A:LEU:HD12	1:198:A:TRP:H	12	0.4
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	17	0.4
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	16	0.4
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG23	6	0.4
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	9	0.4
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	10	0.4
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB1	10	0.4
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB1	11	0.4
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	4	0.4
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	18	0.4
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	7	0.4
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	12	0.4
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	18	0.4
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	8	0.4
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB1	16	0.4
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	17	0.4
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	5	0.4
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	6	0.4
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	13	0.4
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	15	0.4
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	11	0.4
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	6	0.4
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	14	0.4
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	18	0.4
(1,2351)	1:199:A:LEU:HD23	1:178:A:MET:HG2	20	0.4
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	2	0.4
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	12	0.4
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	13	0.4
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	20	0.4
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	9	0.4
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	13	0.4
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	2	0.4
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	16	0.4
(1,2259)	1:239:A:LEU:HD21	1:236:A:PRO:HB3	20	0.4
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	12	0.4
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	3	0.4
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	15	0.4
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	4	0.4
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD21	5	0.4
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	10	0.4
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	12	0.4
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	3	0.4
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	20	0.4
(1,2136)	1:102:A:ILE:HD11	1:106:A:GLN:HE21	18	0.4
(1,1993)	1:102:A:ILE:HD13	1:80:A:PHE:HE1	14	0.4
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	13	0.4
(1,1966)	1:62:A:LEU:HD13	1:44:A:TYR:HE2	1	0.4
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	8	0.4
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	13	0.4
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	18	0.4
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	19	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE1	6	0.4
(1,1887)	1:247:A:PRO:HB2	1:247:A:PRO:HA	17	0.4
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	19	0.4
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	18	0.4
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	5	0.4
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	10	0.4
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	10	0.4
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	11	0.4
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD23	3	0.4
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD21	12	0.4
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD21	16	0.4
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD23	18	0.4
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	3	0.4
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	10	0.4
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	12	0.4
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	16	0.4
(1,1752)	1:154:A:ALA:HB3	1:153:A:ILE:HB	20	0.4
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	18	0.4
(1,1712)	1:57:A:ILE:HG22	1:57:A:ILE:HG12	19	0.4
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	3	0.4
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	10	0.4
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	20	0.4
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD21	4	0.4
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD23	14	0.4
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB1	18	0.4
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	16	0.4
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	1	0.4
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	20	0.4
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD12	1	0.4
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD11	10	0.4
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD13	19	0.4
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD11	20	0.4
(1,1619)	1:37:A:ALA:HB2	1:38:A:GLN:HA	3	0.4
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	15	0.4
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	10	0.4
(1,1563)	1:73:A:THR:HG23	1:106:A:GLN:HE22	3	0.4
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	2	0.4
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	3	0.4
(1,1536)	1:116:A:LEU:HD12	1:135:A:ALA:HB1	4	0.4
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	5	0.4
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB3	8	0.4
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB3	9	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:148:A:LEU:HD22	1:148:A:LEU:HD13	8	0.4
(1,1493)	1:148:A:LEU:HD23	1:148:A:LEU:HD11	11	0.4
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	7	0.4
(1,1465)	1:87:A:LEU:HD21	1:96:A:THR:H	1	0.4
(1,1459)	1:159:A:LEU:HD22	1:160:A:GLY:H	13	0.4
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	4	0.4
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD11	5	0.4
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	16	0.4
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	7	0.4
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	9	0.4
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD13	15	0.4
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	6	0.4
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	18	0.4
(1,1305)	1:215:A:MET:HB3	1:208:A:ASN:HA	18	0.4
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	2	0.4
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	12	0.4
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	10	0.4
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	16	0.4
(1,1193)	1:125:A:GLU:HG3	1:127:A:ASN:H	11	0.4
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	1	0.4
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	2	0.4
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	19	0.4
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	9	0.4
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	10	0.4
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	19	0.4
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	5	0.4
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	10	0.4
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	17	0.4
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	20	0.4
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	5	0.4
(1,1027)	1:203:A:ARG:HD3	1:180:A:GLN:HE22	17	0.4
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	8	0.4
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	14	0.4
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG23	11	0.4
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG23	19	0.4
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	12	0.4
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	17	0.4
(1,805)	1:238:A:GLN:HA	1:238:A:GLN:HG2	17	0.4
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	18	0.4
(1,761)	1:202:A:GLN:HA	1:239:A:LEU:HD11	9	0.4
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	12	0.4
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB1	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	20	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	2	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	5	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	6	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	12	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	13	0.4
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	16	0.4
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	14	0.4
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	13	0.4
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	17	0.4
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB2	12	0.4
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	10	0.4
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	8	0.4
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	16	0.4
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	20	0.4
(1,618)	1:74:A:GLY:H	1:76:A:ALA:HB2	17	0.4
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	9	0.4
(1,589)	1:216:A:LYS:H	1:216:A:LYS:HD3	20	0.4
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	6	0.4
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	8	0.4
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	11	0.4
(1,588)	1:240:A:VAL:H	1:239:A:LEU:HB2	19	0.4
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	4	0.4
(1,495)	1:242:A:VAL:HG12	1:244:A:ALA:H	5	0.4
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	7	0.4
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	13	0.4
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	3	0.4
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	20	0.4
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	12	0.4
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE3	8	0.4
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	9	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	1	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	2	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB3	4	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	9	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	10	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	15	0.4
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	18	0.4
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	4	0.4
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	19	0.4
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	7	0.4
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:36:A:THR:HG22	1:36:A:THR:HB	15	0.4
(1,335)	1:36:A:THR:HG21	1:36:A:THR:HB	18	0.4
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	2	0.4
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	15	0.4
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	1	0.4
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	2	0.4
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	4	0.4
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG21	14	0.4
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	4	0.4
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	18	0.4
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	11	0.4
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	13	0.4
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	16	0.4
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG21	8	0.4
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	13	0.4
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	15	0.4
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	18	0.4
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG22	5	0.39
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG22	9	0.39
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	7	0.39
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	8	0.39
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG23	10	0.39
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	17	0.39
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	13	0.39
(1,5620)	1:192:A:GLU:H	1:190:A:ALA:HB2	7	0.39
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG22	10	0.39
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	8	0.39
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	9	0.39
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD12	6	0.39
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	7	0.39
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	16	0.39
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	5	0.39
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	7	0.39
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	8	0.39
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	9	0.39
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	9	0.39
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	10	0.39
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	11	0.39
(1,5280)	1:176:A:SER:H	1:174:A:ALA:HB3	5	0.39
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	6	0.39
(1,5206)	1:73:A:THR:H	1:68:A:VAL:HG13	6	0.39
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	8	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD13	2	0.39
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	15	0.39
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	19	0.39
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	18	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	5	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	6	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	7	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG21	10	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	11	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	16	0.39
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG21	17	0.39
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	6	0.39
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	9	0.39
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	13	0.39
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	2	0.39
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	5	0.39
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD21	9	0.39
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	10	0.39
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	18	0.39
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	20	0.39
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD21	6	0.39
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	7	0.39
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	6	0.39
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	7	0.39
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD12	14	0.39
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	18	0.39
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	1	0.39
(1,4569)	1:104:A:LEU:HD11	1:109:A:PHE:HE1	7	0.39
(1,4569)	1:104:A:LEU:HD13	1:109:A:PHE:HE1	16	0.39
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB3	12	0.39
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB2	17	0.39
(1,4527)	1:206:A:PHE:HD1	1:206:A:PHE:HE1	9	0.39
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	5	0.39
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	6	0.39
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	7	0.39
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	12	0.39
(1,4331)	1:50:A:GLN:HG2	1:50:A:GLN:HE21	1	0.39
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	6	0.39
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	16	0.39
(1,4248)	1:201:A:LEU:HD21	1:205:A:TRP:HD1	19	0.39
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	1	0.39
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	11	0.39
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	7	0.39
(1,4173)	1:159:A:LEU:HD13	1:161:A:ALA:H	7	0.39
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	14	0.39
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	20	0.39
(1,4067)	1:64:A:ILE:HD11	1:64:A:ILE:HA	4	0.39
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	13	0.39
(1,4048)	1:41:A:SER:HA	1:45:A:LEU:HD11	5	0.39
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG21	11	0.39
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG22	15	0.39
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG23	19	0.39
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD12	13	0.39
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG23	8	0.39
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	12	0.39
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	17	0.39
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	2	0.39
(1,3916)	1:230:A:PRO:HG3	1:229:A:ASN:HA	12	0.39
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	6	0.39
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	7	0.39
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	10	0.39
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG21	14	0.39
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	2	0.39
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	10	0.39
(1,3876)	1:44:A:TYR:HB3	1:62:A:LEU:HD11	9	0.39
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	3	0.39
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD22	9	0.39
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD21	18	0.39
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD22	19	0.39
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG22	1	0.39
(1,3807)	1:235:A:LEU:HD13	1:219:A:ILE:HG21	12	0.39
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG23	16	0.39
(1,3807)	1:235:A:LEU:HD13	1:219:A:ILE:HG22	19	0.39
(1,3807)	1:235:A:LEU:HD11	1:219:A:ILE:HG21	20	0.39
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	4	0.39
(1,3762)	1:57:A:ILE:HG22	1:83:A:LEU:HA	10	0.39
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	3	0.39
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	9	0.39
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD21	6	0.39
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD22	19	0.39
(1,3725)	1:153:A:ILE:HG22	1:198:A:TRP:HD1	6	0.39
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	16	0.39
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD21	7	0.39
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD22	11	0.39
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD21	12	0.39
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD21	14	0.39
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	13	0.39
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	14	0.39
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG23	7	0.39
(1,3653)	1:100:A:VAL:HG23	1:96:A:THR:HG21	19	0.39
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD13	3	0.39
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	17	0.39
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	17	0.39
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	1	0.39
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD23	11	0.39
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	2	0.39
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	8	0.39
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	10	0.39
(1,3540)	1:212:A:PRO:HG2	1:242:A:VAL:HG21	14	0.39
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	10	0.39
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	10	0.39
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG23	18	0.39
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	5	0.39
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	9	0.39
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	14	0.39
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB3	20	0.39
(1,3268)	1:191:A:ASP:HA	1:191:A:ASP:HB2	7	0.39
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	11	0.39
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	18	0.39
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	20	0.39
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG21	6	0.39
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	10	0.39
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	18	0.39
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	13	0.39
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	10	0.39
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	18	0.39
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	9	0.39
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	8	0.39
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	18	0.39
(1,3034)	1:162:A:LYS:H	1:162:A:LYS:HE2	1	0.39
(1,3031)	1:232:A:ALA:HB2	1:223:A:GLN:HB3	7	0.39
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	4	0.39
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG21	4	0.39
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	5	0.39
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	10	0.39
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	14	0.39
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	16	0.39
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	19	0.39
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	3	0.39
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	2	0.39
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	20	0.39
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	6	0.39
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	7	0.39
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	7	0.39
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	1	0.39
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	8	0.39
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	10	0.39
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	13	0.39
(1,2872)	1:188:A:ILE:HG22	1:191:A:ASP:H	17	0.39
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	18	0.39
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	20	0.39
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	8	0.39
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	16	0.39
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB3	7	0.39
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	4	0.39
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	10	0.39
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	13	0.39
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	15	0.39
(1,2756)	1:100:A:VAL:HG23	1:115:A:LEU:HB3	18	0.39
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	20	0.39
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	9	0.39
(1,2705)	1:194:A:ILE:HD12	1:228:A:ASN:HA	16	0.39
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	10	0.39
(1,2697)	1:102:A:ILE:HD11	1:98:A:LEU:HA	20	0.39
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	2	0.39
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	4	0.39
(1,2687)	1:219:A:ILE:HD12	1:205:A:TRP:HE1	12	0.39
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	16	0.39
(1,2675)	1:102:A:ILE:HG23	1:108:A:ASP:HB3	12	0.39
(1,2673)	1:130:A:ALA:HB1	1:127:A:ASN:HD21	3	0.39
(1,2673)	1:130:A:ALA:HB1	1:127:A:ASN:HD21	8	0.39
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	10	0.39
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	16	0.39
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	20	0.39
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	10	0.39
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG23	15	0.39
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	1	0.39
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	12	0.39
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB1	14	0.39
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD11	1	0.39
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD13	7	0.39
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD11	20	0.39
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB1	11	0.39
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	2	0.39
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	3	0.39
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	8	0.39
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD12	19	0.39
(1,2590)	1:124:A:LEU:HD23	1:97:A:LEU:HD23	19	0.39
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	6	0.39
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	8	0.39
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	16	0.39
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	4	0.39
(1,2579)	1:149:A:LEU:HD12	1:198:A:TRP:H	20	0.39
(1,2577)	1:79:A:LEU:HD13	1:60:A:GLN:HE22	13	0.39
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG23	9	0.39
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG21	10	0.39
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	2	0.39
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	8	0.39
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	17	0.39
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB1	1	0.39
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB3	3	0.39
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB1	9	0.39
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	10	0.39
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD13	14	0.39
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	20	0.39
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	5	0.39
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	6	0.39
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB1	2	0.39
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	7	0.39
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	4	0.39
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	13	0.39
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	16	0.39
(1,2307)	1:146:A:ILE:HD12	1:150:A:ARG:HA	5	0.39
(1,2307)	1:146:A:ILE:HD13	1:150:A:ARG:HA	7	0.39
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	18	0.39
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	10	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	19	0.39
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	7	0.39
(1,2259)	1:239:A:LEU:HD22	1:236:A:PRO:HB3	12	0.39
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	5	0.39
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	7	0.39
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	17	0.39
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	2	0.39
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	11	0.39
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	12	0.39
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	20	0.39
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	6	0.39
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	15	0.39
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	16	0.39
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD21	20	0.39
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	11	0.39
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	19	0.39
(1,2017)	1:57:A:ILE:HG22	1:53:A:ASP:HB3	2	0.39
(1,1939)	1:144:A:PRO:HD2	1:142:A:GLY:H	7	0.39
(1,1907)	1:149:A:LEU:HD11	1:178:A:MET:HE3	2	0.39
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE1	7	0.39
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	6	0.39
(1,1845)	1:55:A:THR:HG23	1:56:A:ARG:H	12	0.39
(1,1802)	1:57:A:ILE:HD11	1:54:A:ASP:HB3	20	0.39
(1,1798)	1:168:A:ILE:HD11	1:233:A:LYS:H	8	0.39
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	5	0.39
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	12	0.39
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	9	0.39
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	14	0.39
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	18	0.39
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD23	4	0.39
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD23	8	0.39
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD22	10	0.39
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	7	0.39
(1,1752)	1:154:A:ALA:HB1	1:153:A:ILE:HB	11	0.39
(1,1745)	1:153:A:ILE:HG21	1:156:A:GLU:H	14	0.39
(1,1745)	1:153:A:ILE:HG21	1:156:A:GLU:H	15	0.39
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	4	0.39
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	5	0.39
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	7	0.39
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	14	0.39
(1,1711)	1:57:A:ILE:HG21	1:57:A:ILE:HA	15	0.39
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	13	0.39
(1,1690)	1:219:A:ILE:HG22	1:201:A:LEU:HD23	3	0.39
(1,1685)	1:135:A:ALA:HB2	1:132:A:TYR:HA	20	0.39
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	4	0.39
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	5	0.39
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	8	0.39
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	9	0.39
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	10	0.39
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	11	0.39
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	14	0.39
(1,1680)	1:90:A:ALA:HB3	1:90:A:ALA:HA	5	0.39
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	15	0.39
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD12	8	0.39
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD12	13	0.39
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD13	14	0.39
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD11	15	0.39
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	1	0.39
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	14	0.39
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	18	0.39
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	1	0.39
(1,1570)	1:97:A:LEU:HD23	1:132:A:TYR:HB3	18	0.39
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	15	0.39
(1,1536)	1:116:A:LEU:HD11	1:135:A:ALA:HB3	10	0.39
(1,1536)	1:116:A:LEU:HD12	1:135:A:ALA:HB1	11	0.39
(1,1536)	1:116:A:LEU:HD13	1:135:A:ALA:HB2	15	0.39
(1,1496)	1:152:A:LEU:HD21	1:167:A:ASN:HA	9	0.39
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD13	13	0.39
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD11	19	0.39
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	4	0.39
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	9	0.39
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	10	0.39
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	13	0.39
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	16	0.39
(1,1434)	1:99:A:ALA:H	1:98:A:LEU:HD13	12	0.39
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	15	0.39
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	16	0.39
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG21	18	0.39
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB1	12	0.39
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	16	0.39
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	14	0.39
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	16	0.39
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	19	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	11	0.39
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	7	0.39
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	9	0.39
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	15	0.39
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB1	10	0.39
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	14	0.39
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB1	19	0.39
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	3	0.39
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	3	0.39
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	4	0.39
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	16	0.39
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	4	0.39
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	16	0.39
(1,941)	1:108:A:ASP:HA	1:110:A:ALA:HB3	9	0.39
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	20	0.39
(1,769)	1:65:A:ARG:HA	1:65:A:ARG:HG3	5	0.39
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	20	0.39
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	2	0.39
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	12	0.39
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	3	0.39
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	4	0.39
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	8	0.39
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	11	0.39
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	17	0.39
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	20	0.39
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	2	0.39
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	4	0.39
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	5	0.39
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	8	0.39
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	9	0.39
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	12	0.39
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	7	0.39
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	3	0.39
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG23	6	0.39
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	12	0.39
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG22	17	0.39
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	9	0.39
(1,595)	1:77:A:VAL:H	1:73:A:THR:HG22	17	0.39
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	14	0.39
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	16	0.39
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	12	0.39
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	6	0.39
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	18	0.39
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE2	18	0.39
(1,491)	1:136:A:LYS:HG3	1:133:A:TRP:H	15	0.39
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	12	0.39
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	6	0.39
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	13	0.39
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	17	0.39
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	20	0.39
(1,432)	1:233:A:LYS:HD2	1:233:A:LYS:HE3	5	0.39
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	12	0.39
(1,432)	1:233:A:LYS:HE2	1:233:A:LYS:HD3	14	0.39
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB2	13	0.39
(1,400)	1:31:A:ALA:HA	1:28:A:GLN:HA	16	0.39
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	7	0.39
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	3	0.39
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	6	0.39
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	13	0.39
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	14	0.39
(1,278)	1:71:A:GLY:H	1:70:A:GLU:HG3	6	0.39
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	5	0.39
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	20	0.39
(1,264)	1:233:A:LYS:HE2	1:234:A:MET:H	17	0.39
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	8	0.39
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	14	0.39
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	15	0.39
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	20	0.39
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	3	0.39
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	16	0.39
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	5	0.38
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG22	2	0.38
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	8	0.38
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	9	0.38
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG23	14	0.38
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	15	0.38
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	5	0.38
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD11	3	0.38
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	9	0.38
(1,5743)	1:122:A:ALA:H	1:124:A:LEU:HD13	14	0.38
(1,5694)	1:21:A:MET:H	1:21:A:MET:HB2	18	0.38
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	1	0.38
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	3	0.38
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	7	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG22	7	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	12	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	13	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	16	0.38
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	19	0.38
(1,5501)	1:128:A:GLN:H	1:128:A:GLN:HB3	12	0.38
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	11	0.38
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	14	0.38
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	9	0.38
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	12	0.38
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	5	0.38
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	6	0.38
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	8	0.38
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG22	5	0.38
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	18	0.38
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	2	0.38
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	12	0.38
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	20	0.38
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	2	0.38
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	1	0.38
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	6	0.38
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	11	0.38
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	13	0.38
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	14	0.38
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	10	0.38
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	9	0.38
(1,4899)	1:95:A:LYS:H	1:95:A:LYS:HB2	10	0.38
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	1	0.38
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	8	0.38
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	9	0.38
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	15	0.38
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	4	0.38
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	4	0.38
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD12	16	0.38
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	6	0.38
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	3	0.38
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	3	0.38
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	17	0.38
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	7	0.38
(1,4253)	1:204:A:VAL:HG11	1:203:A:ARG:H	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	3	0.38
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	5	0.38
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	9	0.38
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	1	0.38
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	6	0.38
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	16	0.38
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	12	0.38
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG23	3	0.38
(1,3942)	1:96:A:THR:HG22	1:132:A:TYR:HD2	2	0.38
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	19	0.38
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	5	0.38
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	18	0.38
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	16	0.38
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	3	0.38
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD22	5	0.38
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD21	11	0.38
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	14	0.38
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD23	16	0.38
(1,3748)	1:174:A:ALA:HB2	1:171:A:THR:HG21	14	0.38
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	14	0.38
(1,3735)	1:119:A:ILE:HD12	1:100:A:VAL:HG23	11	0.38
(1,3735)	1:119:A:ILE:HD11	1:100:A:VAL:HG21	15	0.38
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD22	4	0.38
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD21	20	0.38
(1,3725)	1:153:A:ILE:HG21	1:198:A:TRP:HD1	11	0.38
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	8	0.38
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	19	0.38
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	4	0.38
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD22	2	0.38
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD22	5	0.38
(1,3672)	1:199:A:LEU:HD13	1:199:A:LEU:HD21	6	0.38
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD21	20	0.38
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG11	8	0.38
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG11	20	0.38
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	10	0.38
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	12	0.38
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	18	0.38
(1,3647)	1:62:A:LEU:HD12	1:66:A:ALA:H	6	0.38
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	4	0.38
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB2	8	0.38
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD11	2	0.38
(1,3429)	1:233:A:LYS:HB3	1:232:A:ALA:HB2	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3423)	1:166:A:GLN:HG2	1:170:A:ALA:HB1	3	0.38
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	3	0.38
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	9	0.38
(1,3380)	1:245:A:PHE:HB2	1:242:A:VAL:HG22	12	0.38
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	2	0.38
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	12	0.38
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	1	0.38
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	13	0.38
(1,3228)	1:125:A:GLU:HG3	1:125:A:GLU:HA	11	0.38
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	5	0.38
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	2	0.38
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG13	19	0.38
(1,3125)	1:146:A:ILE:HD13	1:146:A:ILE:HA	4	0.38
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	13	0.38
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	12	0.38
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	13	0.38
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	2	0.38
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	16	0.38
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	20	0.38
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	16	0.38
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG22	6	0.38
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG23	18	0.38
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	1	0.38
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	2	0.38
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	6	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	1	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	7	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	13	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	14	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	15	0.38
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	20	0.38
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	6	0.38
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	10	0.38
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	15	0.38
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	10	0.38
(1,2927)	1:83:A:LEU:HD13	1:95:A:LYS:HB2	6	0.38
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	2	0.38
(1,2919)	1:83:A:LEU:HD13	1:80:A:PHE:H	3	0.38
(1,2919)	1:83:A:LEU:HD11	1:80:A:PHE:H	5	0.38
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	4	0.38
(1,2855)	1:189:A:ASN:HB2	1:189:A:ASN:HD22	16	0.38
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD13	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	10	0.38
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	7	0.38
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	8	0.38
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	20	0.38
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	15	0.38
(1,2707)	1:194:A:ILE:HD13	1:193:A:ASN:HD21	12	0.38
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD11	8	0.38
(1,2697)	1:102:A:ILE:HD11	1:98:A:LEU:HA	11	0.38
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	16	0.38
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	9	0.38
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	1	0.38
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	6	0.38
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	18	0.38
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG21	11	0.38
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	18	0.38
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	11	0.38
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	2	0.38
(1,2629)	1:124:A:LEU:HD13	1:132:A:TYR:HD1	19	0.38
(1,2622)	1:204:A:VAL:HG22	1:219:A:ILE:H	10	0.38
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	11	0.38
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	13	0.38
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	20	0.38
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	13	0.38
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	17	0.38
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	9	0.38
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG23	20	0.38
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	7	0.38
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD22	1	0.38
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD22	9	0.38
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	9	0.38
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD12	14	0.38
(1,2585)	1:146:A:ILE:H	1:149:A:LEU:HD13	19	0.38
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG21	4	0.38
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG23	5	0.38
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG23	7	0.38
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	4	0.38
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	6	0.38
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	7	0.38
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	18	0.38
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB2	6	0.38
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB2	12	0.38
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB2	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB3	16	0.38
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	20	0.38
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	4	0.38
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	8	0.38
(1,2395)	1:159:A:LEU:HD13	1:163:A:GLU:HG2	7	0.38
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	12	0.38
(1,2395)	1:159:A:LEU:HD13	1:163:A:GLU:HG2	14	0.38
(1,2395)	1:159:A:LEU:HD13	1:163:A:GLU:HG2	18	0.38
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB1	14	0.38
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	3	0.38
(1,2356)	1:242:A:VAL:HG12	1:243:A:LYS:HB2	1	0.38
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	4	0.38
(1,2356)	1:242:A:VAL:HG12	1:243:A:LYS:HB2	5	0.38
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	12	0.38
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	17	0.38
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	6	0.38
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	5	0.38
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	8	0.38
(1,2351)	1:199:A:LEU:HD22	1:178:A:MET:HG2	15	0.38
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	19	0.38
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	6	0.38
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	7	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	1	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	2	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	12	0.38
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	18	0.38
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	12	0.38
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	15	0.38
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD11	4	0.38
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	16	0.38
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	18	0.38
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	9	0.38
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	16	0.38
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	16	0.38
(1,1802)	1:57:A:ILE:HD13	1:54:A:ASP:HB3	17	0.38
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	7	0.38
(1,1794)	1:57:A:ILE:HD13	1:54:A:ASP:HA	13	0.38
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	2	0.38
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	7	0.38
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	13	0.38
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	15	0.38
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	19	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	18	0.38
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	20	0.38
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD23	1	0.38
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD21	9	0.38
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	17	0.38
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	18	0.38
(1,1752)	1:154:A:ALA:HB2	1:153:A:ILE:HB	19	0.38
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	12	0.38
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	14	0.38
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	19	0.38
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	1	0.38
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	2	0.38
(1,1711)	1:57:A:ILE:HG22	1:57:A:ILE:HA	6	0.38
(1,1711)	1:57:A:ILE:HG21	1:57:A:ILE:HA	8	0.38
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	9	0.38
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	12	0.38
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	13	0.38
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	17	0.38
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	18	0.38
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	16	0.38
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB2	6	0.38
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB1	19	0.38
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	3	0.38
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	6	0.38
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	13	0.38
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	19	0.38
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	9	0.38
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	3	0.38
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	17	0.38
(1,1647)	1:151:A:ALA:HB2	1:148:A:LEU:HD13	5	0.38
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	9	0.38
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	17	0.38
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG22	3	0.38
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	3	0.38
(1,1561)	1:97:A:LEU:HD22	1:132:A:TYR:HA	4	0.38
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	11	0.38
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	18	0.38
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	18	0.38
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	11	0.38
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	14	0.38
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	20	0.38
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD12	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:148:A:LEU:HD21	1:148:A:LEU:HD12	18	0.38
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	12	0.38
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	5	0.38
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	11	0.38
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	6	0.38
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	20	0.38
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG21	4	0.38
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	14	0.38
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG22	19	0.38
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	11	0.38
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	7	0.38
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	2	0.38
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	7	0.38
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	19	0.38
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	13	0.38
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	15	0.38
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	7	0.38
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	2	0.38
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	8	0.38
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	19	0.38
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	6	0.38
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD13	7	0.38
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	6	0.38
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	17	0.38
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	12	0.38
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB2	13	0.38
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	6	0.38
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	8	0.38
(1,1038)	1:72:A:LYS:H	1:72:A:LYS:HE2	14	0.38
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG21	17	0.38
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	16	0.38
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	18	0.38
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	18	0.38
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	20	0.38
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	4	0.38
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	12	0.38
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	19	0.38
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	15	0.38
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB2	15	0.38
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	10	0.38
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	3	0.38
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	1	0.38
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	4	0.38
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	1	0.38
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	7	0.38
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	9	0.38
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	10	0.38
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	15	0.38
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	18	0.38
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG11	1	0.38
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	4	0.38
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	11	0.38
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	17	0.38
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	3	0.38
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB3	16	0.38
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	17	0.38
(1,660)	1:73:A:THR:HB	1:106:A:GLN:HG3	5	0.38
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	10	0.38
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB1	11	0.38
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	8	0.38
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	17	0.38
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	19	0.38
(1,626)	1:99:A:ALA:H	1:100:A:VAL:HG21	5	0.38
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	5	0.38
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	13	0.38
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	17	0.38
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	7	0.38
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	12	0.38
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	6	0.38
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	7	0.38
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	17	0.38
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	8	0.38
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB1	3	0.38
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	11	0.38
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	8	0.38
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG23	6	0.38
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	13	0.38
(1,269)	1:89:A:ASP:HB2	1:91:A:GLN:H	6	0.38
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	5	0.38
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	19	0.38
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG22	16	0.38
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	11	0.38
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	17	0.38
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	13	0.37
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG21	15	0.37
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	2	0.37
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	5	0.37
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG23	6	0.37
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	8	0.37
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG23	15	0.37
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	6	0.37
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	7	0.37
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	9	0.37
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	14	0.37
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	19	0.37
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	11	0.37
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD12	1	0.37
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	2	0.37
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	15	0.37
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	2	0.37
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	7	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	1	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	2	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD23	5	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD23	10	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	12	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	16	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	19	0.37
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	20	0.37
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	7	0.37
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	20	0.37
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	5	0.37
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG22	8	0.37
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG22	13	0.37
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	4	0.37
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	9	0.37
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	1	0.37
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	10	0.37
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	6	0.37
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	19	0.37
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	15	0.37
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	19	0.37
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	10	0.37
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD12	20	0.37
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	3	0.37
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG23	14	0.37
(1,4876)	1:171:A:THR:H	1:171:A:THR:HG22	20	0.37
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	3	0.37
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	15	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD21	1	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	7	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	14	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	16	0.37
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	17	0.37
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	3	0.37
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	3	0.37
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	11	0.37
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	10	0.37
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	4	0.37
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	1	0.37
(1,4387)	1:80:A:PHE:HE1	1:95:A:LYS:HA	6	0.37
(1,4331)	1:50:A:GLN:HG2	1:50:A:GLN:HE21	12	0.37
(1,4331)	1:50:A:GLN:HG2	1:50:A:GLN:HE21	20	0.37
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	8	0.37
(1,4308)	1:83:A:LEU:HD11	1:60:A:GLN:HE21	3	0.37
(1,4308)	1:83:A:LEU:HD12	1:60:A:GLN:HE21	13	0.37
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	9	0.37
(1,4253)	1:204:A:VAL:HG13	1:203:A:ARG:H	12	0.37
(1,4248)	1:201:A:LEU:HD23	1:205:A:TRP:HD1	6	0.37
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	6	0.37
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	18	0.37
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	18	0.37
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG21	9	0.37
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD12	10	0.37
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	15	0.37
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD12	17	0.37
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	20	0.37
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD22	2	0.37
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD21	13	0.37
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	10	0.37
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG23	4	0.37
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	17	0.37
(1,3819)	1:87:A:LEU:HB3	1:92:A:ARG:HG2	5	0.37
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	2	0.37
(1,3815)	1:239:A:LEU:HD13	1:201:A:LEU:HD21	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3807)	1:235:A:LEU:HD12	1:219:A:ILE:HG23	6	0.37
(1,3800)	1:62:A:LEU:HD23	1:62:A:LEU:HA	16	0.37
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	2	0.37
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	16	0.37
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	19	0.37
(1,3739)	1:175:A:LEU:HD11	1:198:A:TRP:HB2	18	0.37
(1,3735)	1:119:A:ILE:HD12	1:100:A:VAL:HG23	5	0.37
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG21	13	0.37
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD22	2	0.37
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD22	8	0.37
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD22	9	0.37
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD22	11	0.37
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD21	17	0.37
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	12	0.37
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	14	0.37
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	15	0.37
(1,3688)	1:242:A:VAL:HG13	1:241:A:ASN:H	1	0.37
(1,3688)	1:242:A:VAL:HG13	1:241:A:ASN:H	5	0.37
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	7	0.37
(1,3672)	1:199:A:LEU:HD12	1:199:A:LEU:HD21	17	0.37
(1,3672)	1:199:A:LEU:HD11	1:199:A:LEU:HD22	19	0.37
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	19	0.37
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	20	0.37
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	5	0.37
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG22	2	0.37
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG21	6	0.37
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	5	0.37
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	8	0.37
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	4	0.37
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	1	0.37
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	6	0.37
(1,3630)	1:152:A:LEU:HD12	1:149:A:LEU:HA	8	0.37
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	13	0.37
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	2	0.37
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	9	0.37
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	16	0.37
(1,3452)	1:136:A:LYS:HE2	1:136:A:LYS:HB2	18	0.37
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG23	15	0.37
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	3	0.37
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	17	0.37
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	9	0.37
(1,3288)	1:37:A:ALA:HA	1:31:A:ALA:HB2	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	15	0.37
(1,3268)	1:191:A:ASP:HA	1:191:A:ASP:HB2	20	0.37
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	9	0.37
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	17	0.37
(1,3211)	1:183:A:ALA:HB3	1:175:A:LEU:HA	5	0.37
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	18	0.37
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	1	0.37
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	16	0.37
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	18	0.37
(1,3125)	1:146:A:ILE:HD12	1:146:A:ILE:HA	10	0.37
(1,3125)	1:146:A:ILE:HD11	1:146:A:ILE:HA	12	0.37
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	2	0.37
(1,3094)	1:204:A:VAL:HG13	1:204:A:VAL:HA	19	0.37
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	12	0.37
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	5	0.37
(1,3067)	1:159:A:LEU:HD22	1:155:A:GLN:H	6	0.37
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	7	0.37
(1,3064)	1:112:A:ALA:H	1:115:A:LEU:HD12	3	0.37
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	11	0.37
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	17	0.37
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	5	0.37
(1,3027)	1:232:A:ALA:HB3	1:228:A:ASN:H	6	0.37
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	8	0.37
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	9	0.37
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	11	0.37
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	2	0.37
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	4	0.37
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	8	0.37
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB1	12	0.37
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	2	0.37
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	3	0.37
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	12	0.37
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	20	0.37
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	8	0.37
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	7	0.37
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	12	0.37
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	14	0.37
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	15	0.37
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	16	0.37
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	13	0.37
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	2	0.37
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB2	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD22	3	0.37
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD22	6	0.37
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	11	0.37
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	2	0.37
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD13	19	0.37
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	10	0.37
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	4	0.37
(1,2673)	1:130:A:ALA:HB2	1:127:A:ASN:HD21	9	0.37
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG21	14	0.37
(1,2672)	1:169:A:ASP:H	1:168:A:ILE:HG22	17	0.37
(1,2665)	1:41:A:SER:H	1:42:A:ALA:HB3	10	0.37
(1,2659)	1:183:A:ALA:HB1	1:184:A:ASN:HD22	20	0.37
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD13	9	0.37
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD11	10	0.37
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD11	19	0.37
(1,2625)	1:36:A:THR:H	1:37:A:ALA:HB2	17	0.37
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	1	0.37
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	19	0.37
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	10	0.37
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	5	0.37
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	14	0.37
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	19	0.37
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	10	0.37
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	6	0.37
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD21	4	0.37
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD23	16	0.37
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	7	0.37
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	13	0.37
(1,2579)	1:149:A:LEU:HD11	1:198:A:TRP:H	16	0.37
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	6	0.37
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG22	20	0.37
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	12	0.37
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	14	0.37
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	8	0.37
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	15	0.37
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	18	0.37
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	2	0.37
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	5	0.37
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	8	0.37
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	12	0.37
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	13	0.37
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB1	17	0.37
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	9	0.37
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	6	0.37
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE2	5	0.37
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	9	0.37
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	5	0.37
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	16	0.37
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	1	0.37
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	12	0.37
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	13	0.37
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	9	0.37
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	10	0.37
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	16	0.37
(1,2356)	1:242:A:VAL:HG12	1:243:A:LYS:HB2	18	0.37
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	2	0.37
(1,2355)	1:242:A:VAL:HG11	1:216:A:LYS:HB2	18	0.37
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	2	0.37
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	3	0.37
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	2	0.37
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	13	0.37
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	1	0.37
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD11	19	0.37
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	3	0.37
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	11	0.37
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	5	0.37
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	12	0.37
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	16	0.37
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	20	0.37
(1,1966)	1:62:A:LEU:HD12	1:44:A:TYR:HE2	16	0.37
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	7	0.37
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD22	3	0.37
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG21	1	0.37
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	2	0.37
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	11	0.37
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	16	0.37
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	20	0.37
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG22	9	0.37
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	17	0.37
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	10	0.37
(1,1788)	1:102:A:ILE:HD12	1:80:A:PHE:HB3	11	0.37
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	4	0.37
(1,1773)	1:137:A:ILE:HD11	1:155:A:GLN:HG3	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	1	0.37
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	5	0.37
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD12	17	0.37
(1,1766)	1:219:A:ILE:HD11	1:239:A:LEU:HD21	2	0.37
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD22	14	0.37
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD23	15	0.37
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	20	0.37
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	11	0.37
(1,1725)	1:174:A:ALA:HB1	1:175:A:LEU:HA	12	0.37
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	20	0.37
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	11	0.37
(1,1711)	1:57:A:ILE:HG23	1:57:A:ILE:HA	16	0.37
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	1	0.37
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	9	0.37
(1,1695)	1:171:A:THR:HG21	1:153:A:ILE:H	12	0.37
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB2	4	0.37
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	10	0.37
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	1	0.37
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	7	0.37
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	12	0.37
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	15	0.37
(1,1683)	1:110:A:ALA:HB1	1:110:A:ALA:HA	20	0.37
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	2	0.37
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	2	0.37
(1,1647)	1:151:A:ALA:HB3	1:148:A:LEU:HD12	9	0.37
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD12	17	0.37
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	3	0.37
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	16	0.37
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	2	0.37
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	19	0.37
(1,1604)	1:185:A:THR:HG21	1:182:A:GLN:HE21	17	0.37
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB2	5	0.37
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB3	16	0.37
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	6	0.37
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	16	0.37
(1,1582)	1:55:A:THR:HG23	1:51:A:SER:HA	4	0.37
(1,1582)	1:55:A:THR:HG22	1:51:A:SER:HA	7	0.37
(1,1561)	1:97:A:LEU:HD22	1:132:A:TYR:HA	12	0.37
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	13	0.37
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	14	0.37
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	3	0.37
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB3	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	16	0.37
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	8	0.37
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	10	0.37
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	19	0.37
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	17	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	1	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	2	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	3	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	4	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	5	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	9	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	10	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	12	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	13	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	15	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	16	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	17	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	18	0.37
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	20	0.37
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	10	0.37
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	8	0.37
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	3	0.37
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD13	15	0.37
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	6	0.37
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	17	0.37
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	2	0.37
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	15	0.37
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	5	0.37
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	10	0.37
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD11	8	0.37
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD12	13	0.37
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	12	0.37
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	19	0.37
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	4	0.37
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	5	0.37
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	12	0.37
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB2	5	0.37
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	15	0.37
(1,1025)	1:203:A:ARG:HD3	1:203:A:ARG:HA	16	0.37
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	12	0.37
(1,990)	1:35:A:GLY:HA3	1:36:A:THR:HG22	15	0.37
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	4	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	13	0.37
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	15	0.37
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	18	0.37
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG23	1	0.37
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD22	1	0.37
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	5	0.37
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD22	6	0.37
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD22	10	0.37
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	5	0.37
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	11	0.37
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG22	19	0.37
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	6	0.37
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	9	0.37
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	6	0.37
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	7	0.37
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	11	0.37
(1,700)	1:168:A:ILE:HA	1:168:A:ILE:HG13	14	0.37
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG11	8	0.37
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	10	0.37
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	16	0.37
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG11	19	0.37
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	17	0.37
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	1	0.37
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	10	0.37
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	12	0.37
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	13	0.37
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	1	0.37
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	7	0.37
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	16	0.37
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	19	0.37
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB2	17	0.37
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	19	0.37
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	20	0.37
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	5	0.37
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	18	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	1	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	2	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	3	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	6	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	7	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG23	9	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG23	15	0.37
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	19	0.37
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	17	0.37
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	4	0.37
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	8	0.37
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	10	0.37
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE2	1	0.37
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	3	0.37
(1,468)	1:51:A:SER:HB2	1:56:A:ARG:HD3	8	0.37
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	2	0.37
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	18	0.37
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	19	0.37
(1,415)	1:175:A:LEU:HD13	1:202:A:GLN:HB3	17	0.37
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	4	0.37
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	9	0.37
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	1	0.37
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	20	0.37
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	10	0.37
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	20	0.37
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	10	0.37
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	16	0.37
(1,319)	1:195:A:LEU:HD21	1:146:A:ILE:HG12	20	0.37
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG23	20	0.37
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	3	0.37
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	5	0.37
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	6	0.37
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	14	0.37
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	18	0.37
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	1	0.37
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	8	0.37
(1,269)	1:89:A:ASP:HB2	1:91:A:GLN:H	17	0.37
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	19	0.37
(1,264)	1:233:A:LYS:HE3	1:234:A:MET:H	4	0.37
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	4	0.37
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	20	0.36
(1,5857)	1:205:A:TRP:HE1	1:176:A:SER:HB2	3	0.36
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	6	0.36
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	17	0.36
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	1	0.36
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	12	0.36
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	18	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	4	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	8	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	10	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	12	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	13	0.36
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	15	0.36
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	9	0.36
(1,5643)	1:23:A:THR:H	1:23:A:THR:HG21	18	0.36
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	9	0.36
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	1	0.36
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	2	0.36
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	5	0.36
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	15	0.36
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	20	0.36
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	19	0.36
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	9	0.36
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	11	0.36
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	4	0.36
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	6	0.36
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	15	0.36
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	2	0.36
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	13	0.36
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	7	0.36
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	13	0.36
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	15	0.36
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	16	0.36
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	18	0.36
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	19	0.36
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG22	20	0.36
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	14	0.36
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD12	19	0.36
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	7	0.36
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	14	0.36
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	12	0.36
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	17	0.36
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	7	0.36
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	12	0.36
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	20	0.36
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	3	0.36
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	4	0.36
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	10	0.36
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	17	0.36
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	12	0.36
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD21	4	0.36
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	13	0.36
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	18	0.36
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	3	0.36
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	4	0.36
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	13	0.36
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	9	0.36
(1,4569)	1:104:A:LEU:HD12	1:109:A:PHE:HE1	17	0.36
(1,4535)	1:206:A:PHE:HE2	1:183:A:ALA:HB1	14	0.36
(1,4411)	1:64:A:ILE:HD11	1:80:A:PHE:HE1	19	0.36
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	10	0.36
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	17	0.36
(1,4331)	1:50:A:GLN:HG2	1:50:A:GLN:HE21	11	0.36
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	10	0.36
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	2	0.36
(1,4220)	1:168:A:ILE:HD13	1:198:A:TRP:HH2	13	0.36
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	9	0.36
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	2	0.36
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	9	0.36
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	11	0.36
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD21	19	0.36
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG23	1	0.36
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG21	10	0.36
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG23	17	0.36
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD12	16	0.36
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	10	0.36
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	17	0.36
(1,3890)	1:101:A:GLU:H	1:100:A:VAL:HG22	9	0.36
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	9	0.36
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	18	0.36
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	11	0.36
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD23	7	0.36
(1,3807)	1:235:A:LEU:HD13	1:219:A:ILE:HG21	18	0.36
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	9	0.36
(1,3731)	1:146:A:ILE:HD13	1:199:A:LEU:HD23	1	0.36
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD22	5	0.36
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD21	7	0.36
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD21	14	0.36
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD23	15	0.36
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	4	0.36
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	16	0.36
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	13	0.36
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	15	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	1	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	4	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	7	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG22	8	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	9	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	12	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	13	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG22	17	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	19	0.36
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	20	0.36
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	9	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG13	1	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	2	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG13	6	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	9	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	11	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG13	14	0.36
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG11	15	0.36
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG21	1	0.36
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	7	0.36
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	8	0.36
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG21	10	0.36
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	13	0.36
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG21	19	0.36
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD11	2	0.36
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD11	15	0.36
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	20	0.36
(1,3647)	1:62:A:LEU:HD13	1:66:A:ALA:H	2	0.36
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	18	0.36
(1,3630)	1:152:A:LEU:HD12	1:149:A:LEU:HA	2	0.36
(1,3630)	1:152:A:LEU:HD12	1:149:A:LEU:HA	11	0.36
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	20	0.36
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	3	0.36
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	13	0.36
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	3	0.36
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	20	0.36
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	1	0.36
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	19	0.36
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	7	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	5	0.36
(1,3252)	1:235:A:LEU:HD11	1:234:A:MET:HA	2	0.36
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	4	0.36
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	4	0.36
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	9	0.36
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	4	0.36
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	7	0.36
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	10	0.36
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	15	0.36
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	7	0.36
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	12	0.36
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD21	15	0.36
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	3	0.36
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	7	0.36
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	2	0.36
(1,3067)	1:159:A:LEU:HD21	1:155:A:GLN:H	14	0.36
(1,3067)	1:159:A:LEU:HD22	1:155:A:GLN:H	19	0.36
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	16	0.36
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	11	0.36
(1,3054)	1:154:A:ALA:HB3	1:133:A:TRP:HZ3	6	0.36
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	12	0.36
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	15	0.36
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	18	0.36
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	1	0.36
(1,3031)	1:232:A:ALA:HB1	1:223:A:GLN:HB3	1	0.36
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB2	3	0.36
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	14	0.36
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	15	0.36
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	9	0.36
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	11	0.36
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	18	0.36
(1,2924)	1:124:A:LEU:HD23	1:132:A:TYR:HD1	14	0.36
(1,2917)	1:124:A:LEU:HD22	1:128:A:GLN:HB2	15	0.36
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	2	0.36
(1,2872)	1:188:A:ILE:HG22	1:191:A:ASP:H	11	0.36
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	1	0.36
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	20	0.36
(1,2777)	1:97:A:LEU:HD13	1:135:A:ALA:HB1	12	0.36
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB1	13	0.36
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	19	0.36
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	9	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD22	4	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	10	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	13	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	17	0.36
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	19	0.36
(1,2707)	1:194:A:ILE:HD13	1:193:A:ASN:HD21	1	0.36
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD11	11	0.36
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD11	20	0.36
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	2	0.36
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	10	0.36
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	3	0.36
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG21	19	0.36
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	13	0.36
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD11	16	0.36
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD13	18	0.36
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD11	5	0.36
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	10	0.36
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD12	19	0.36
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	3	0.36
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	4	0.36
(1,2622)	1:204:A:VAL:HG22	1:219:A:ILE:H	9	0.36
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	12	0.36
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	14	0.36
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	16	0.36
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	5	0.36
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	18	0.36
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD12	4	0.36
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD13	17	0.36
(1,2605)	1:139:A:ALA:H	1:116:A:LEU:HD11	20	0.36
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	18	0.36
(1,2590)	1:124:A:LEU:HD23	1:97:A:LEU:HD23	5	0.36
(1,2590)	1:124:A:LEU:HD21	1:97:A:LEU:HD23	13	0.36
(1,2586)	1:124:A:LEU:HD23	1:133:A:TRP:HE1	17	0.36
(1,2579)	1:149:A:LEU:HD13	1:198:A:TRP:H	5	0.36
(1,2577)	1:79:A:LEU:HD13	1:60:A:GLN:HE22	2	0.36
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG21	12	0.36
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG23	13	0.36
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB1	20	0.36
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	20	0.36
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD11	14	0.36
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	7	0.36
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	6	0.36
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	7	0.36
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	9	0.36
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	15	0.36
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	19	0.36
(1,2441)	1:175:A:LEU:HD21	1:174:A:ALA:HB1	20	0.36
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	11	0.36
(1,2394)	1:189:A:ASN:HB3	1:189:A:ASN:HD22	14	0.36
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	5	0.36
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	20	0.36
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	4	0.36
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG23	18	0.36
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	3	0.36
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	20	0.36
(1,2356)	1:242:A:VAL:HG11	1:243:A:LYS:HB2	3	0.36
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	10	0.36
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	13	0.36
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	16	0.36
(1,2351)	1:199:A:LEU:HD21	1:178:A:MET:HG2	9	0.36
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	8	0.36
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	9	0.36
(1,2344)	1:199:A:LEU:HD21	1:198:A:TRP:HD1	15	0.36
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	11	0.36
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	15	0.36
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	17	0.36
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	14	0.36
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD12	16	0.36
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD12	17	0.36
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	19	0.36
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	18	0.36
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD11	2	0.36
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	10	0.36
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	14	0.36
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	20	0.36
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	13	0.36
(1,2098)	1:202:A:GLN:HG2	1:203:A:ARG:H	18	0.36
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB3	16	0.36
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	17	0.36
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	15	0.36
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	3	0.36
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	2	0.36
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1966)	1:62:A:LEU:HD13	1:44:A:TYR:HE2	2	0.36
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	13	0.36
(1,1907)	1:149:A:LEU:HD12	1:178:A:MET:HE1	13	0.36
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	13	0.36
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	18	0.36
(1,1773)	1:137:A:ILE:HD13	1:155:A:GLN:HG3	12	0.36
(1,1773)	1:137:A:ILE:HD12	1:155:A:GLN:HG3	20	0.36
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD21	6	0.36
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD23	7	0.36
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD21	17	0.36
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	3	0.36
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	17	0.36
(1,1730)	1:102:A:ILE:HG21	1:73:A:THR:HB	19	0.36
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	6	0.36
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB3	5	0.36
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB1	8	0.36
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	17	0.36
(1,1683)	1:110:A:ALA:HB2	1:110:A:ALA:HA	18	0.36
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	4	0.36
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	13	0.36
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	2	0.36
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	3	0.36
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	10	0.36
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	9	0.36
(1,1658)	1:66:A:ALA:HB3	1:40:A:ASP:HA	13	0.36
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	4	0.36
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	6	0.36
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	12	0.36
(1,1618)	1:240:A:VAL:HG13	1:241:A:ASN:HA	7	0.36
(1,1618)	1:240:A:VAL:HG13	1:241:A:ASN:HA	8	0.36
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	11	0.36
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	16	0.36
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB1	1	0.36
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB3	8	0.36
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB2	11	0.36
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB1	14	0.36
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB1	19	0.36
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	2	0.36
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	18	0.36
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	17	0.36
(1,1570)	1:97:A:LEU:HD21	1:132:A:TYR:HB3	15	0.36
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	6	0.36
(1,1555)	1:201:A:LEU:HD12	1:198:A:TRP:HA	8	0.36
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	16	0.36
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	1	0.36
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB1	13	0.36
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	14	0.36
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB3	17	0.36
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	18	0.36
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB3	20	0.36
(1,1448)	1:62:A:LEU:HD23	1:32:A:TYR:HE2	3	0.36
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	13	0.36
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	8	0.36
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	12	0.36
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG22	5	0.36
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG22	7	0.36
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	15	0.36
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	6	0.36
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	7	0.36
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	8	0.36
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	14	0.36
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	9	0.36
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	14	0.36
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	19	0.36
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	13	0.36
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	20	0.36
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	5	0.36
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	6	0.36
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG23	3	0.36
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	12	0.36
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG23	15	0.36
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	18	0.36
(1,1183)	1:194:A:ILE:HB	1:194:A:ILE:HD12	2	0.36
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	4	0.36
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	6	0.36
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	14	0.36
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	3	0.36
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB1	11	0.36
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB3	20	0.36
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	11	0.36
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	14	0.36
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	2	0.36
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	1	0.36
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	5	0.36
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	3	0.36
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	13	0.36
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG21	1	0.36
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	5	0.36
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB2	16	0.36
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB1	18	0.36
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	14	0.36
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	6	0.36
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	18	0.36
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	3	0.36
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	10	0.36
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	17	0.36
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG11	5	0.36
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	12	0.36
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	13	0.36
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	4	0.36
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	15	0.36
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	19	0.36
(1,654)	1:206:A:PHE:H	1:205:A:TRP:HD1	15	0.36
(1,653)	1:59:A:TRP:HE1	1:51:A:SER:HB2	3	0.36
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	4	0.36
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	14	0.36
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	3	0.36
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	6	0.36
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	8	0.36
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	11	0.36
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	12	0.36
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	18	0.36
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG22	20	0.36
(1,551)	1:222:A:TRP:HZ2	1:226:A:TYR:HB3	4	0.36
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	6	0.36
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	9	0.36
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	1	0.36
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	3	0.36
(1,495)	1:242:A:VAL:HG11	1:244:A:ALA:H	9	0.36
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	4	0.36
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	19	0.36
(1,422)	1:168:A:ILE:HD11	1:233:A:LYS:HE2	12	0.36
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	7	0.36
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	11	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	18	0.36
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	11	0.36
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	10	0.36
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	16	0.36
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	17	0.36
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	8	0.36
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	12	0.36
(1,319)	1:195:A:LEU:HD22	1:146:A:ILE:HG12	15	0.36
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG21	8	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	1	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	2	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	4	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	7	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	8	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	9	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	10	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	11	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	12	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	13	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	15	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	16	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	17	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	19	0.36
(1,284)	1:173:A:GLN:HG2	1:173:A:GLN:HE22	20	0.36
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	15	0.36
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	19	0.36
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	4	0.36
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	3	0.36
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	14	0.36
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	2	0.36
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	3	0.36
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	6	0.36
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG22	1	0.36
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	7	0.36
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	8	0.36
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	1	0.35
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	7	0.35
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	8	0.35
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	16	0.35
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG22	4	0.35
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG21	13	0.35
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	19	0.35
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD13	19	0.35
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	2	0.35
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	17	0.35
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	20	0.35
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	8	0.35
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	10	0.35
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	17	0.35
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	4	0.35
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG21	8	0.35
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	14	0.35
(1,5533)	1:150:A:ARG:H	1:150:A:ARG:HB3	3	0.35
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	8	0.35
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	9	0.35
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	10	0.35
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	12	0.35
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	17	0.35
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD12	10	0.35
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	15	0.35
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	19	0.35
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD22	11	0.35
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	7	0.35
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	8	0.35
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	5	0.35
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	16	0.35
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	11	0.35
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	12	0.35
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	2	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	1	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	5	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	6	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	7	0.35
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	11	0.35
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	8	0.35
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	4	0.35
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	4	0.35
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	5	0.35
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	1	0.35
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	3	0.35
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	8	0.35
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	9	0.35
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	15	0.35
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	20	0.35
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	16	0.35
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	3	0.35
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	15	0.35
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	19	0.35
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	11	0.35
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD13	17	0.35
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	3	0.35
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	9	0.35
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	15	0.35
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	2	0.35
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG22	7	0.35
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	9	0.35
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	13	0.35
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	14	0.35
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD21	19	0.35
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	7	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	2	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	7	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	8	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	10	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	11	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	12	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	14	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	15	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	16	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	18	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	19	0.35
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	20	0.35
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	3	0.35
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	10	0.35
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	9	0.35
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	8	0.35
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD12	10	0.35
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	15	0.35
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	10	0.35
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	20	0.35
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	8	0.35
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	12	0.35
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	9	0.35
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	20	0.35
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	13	0.35
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	10	0.35
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	12	0.35
(1,4308)	1:83:A:LEU:HD13	1:60:A:GLN:HE21	19	0.35
(1,4302)	1:61:A:LEU:HD13	1:91:A:GLN:HE22	13	0.35
(1,4253)	1:204:A:VAL:HG11	1:203:A:ARG:H	6	0.35
(1,4248)	1:201:A:LEU:HD22	1:205:A:TRP:HD1	3	0.35
(1,4230)	1:180:A:GLN:HB2	1:206:A:PHE:HE2	15	0.35
(1,4067)	1:64:A:ILE:HD12	1:64:A:ILE:HA	6	0.35
(1,4035)	1:99:A:ALA:HB1	1:96:A:THR:HG22	6	0.35
(1,4035)	1:99:A:ALA:HB1	1:96:A:THR:HG23	16	0.35
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG21	12	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	2	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	4	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	5	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	7	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	12	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	14	0.35
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	19	0.35
(1,3941)	1:237:A:THR:HG22	1:241:A:ASN:HA	2	0.35
(1,3941)	1:237:A:THR:HG21	1:241:A:ASN:HA	8	0.35
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD21	4	0.35
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD22	1	0.35
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	20	0.35
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	12	0.35
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	4	0.35
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	8	0.35
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	15	0.35
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG22	6	0.35
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD21	10	0.35
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB2	1	0.35
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	12	0.35
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	17	0.35
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	10	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	2	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG22	3	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG22	5	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG22	6	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	14	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG23	15	0.35
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	18	0.35
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	7	0.35
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG13	17	0.35
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG23	12	0.35
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	16	0.35
(1,3649)	1:62:A:LEU:HD12	1:62:A:LEU:H	14	0.35
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	17	0.35
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	5	0.35
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	7	0.35
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	10	0.35
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	16	0.35
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	19	0.35
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD13	5	0.35
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	7	0.35
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD12	10	0.35
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD13	14	0.35
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	15	0.35
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	18	0.35
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	1	0.35
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	14	0.35
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	10	0.35
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	12	0.35
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	14	0.35
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	20	0.35
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	10	0.35
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB1	11	0.35
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB2	15	0.35
(1,3465)	1:157:A:PRO:HD3	1:157:A:PRO:HB3	8	0.35
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	4	0.35
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	6	0.35
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	12	0.35
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	5	0.35
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	9	0.35
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	17	0.35
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	20	0.35
(1,3211)	1:183:A:ALA:HB3	1:175:A:LEU:HA	8	0.35
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	8	0.35
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	17	0.35
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	2	0.35
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	15	0.35
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD22	14	0.35
(1,3093)	1:204:A:VAL:HG23	1:204:A:VAL:HA	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	6	0.35
(1,3067)	1:159:A:LEU:HD22	1:155:A:GLN:H	4	0.35
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	11	0.35
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	1	0.35
(1,3055)	1:154:A:ALA:HB2	1:133:A:TRP:HD1	6	0.35
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	7	0.35
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	9	0.35
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	7	0.35
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	10	0.35
(1,2995)	1:32:A:TYR:HB2	1:32:A:TYR:HE2	7	0.35
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	9	0.35
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	5	0.35
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	11	0.35
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	16	0.35
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	18	0.35
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	19	0.35
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	9	0.35
(1,2960)	1:199:A:LEU:HD23	1:175:A:LEU:HG	11	0.35
(1,2960)	1:199:A:LEU:HD21	1:175:A:LEU:HG	15	0.35
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	18	0.35
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	6	0.35
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	9	0.35
(1,2924)	1:124:A:LEU:HD21	1:132:A:TYR:HD1	5	0.35
(1,2919)	1:83:A:LEU:HD12	1:80:A:PHE:H	6	0.35
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	1	0.35
(1,2872)	1:188:A:ILE:HG23	1:191:A:ASP:H	9	0.35
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	12	0.35
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	8	0.35
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	1	0.35
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	9	0.35
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	14	0.35
(1,2756)	1:100:A:VAL:HG22	1:115:A:LEU:HB3	3	0.35
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	2	0.35
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	5	0.35
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	12	0.35
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD23	15	0.35
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD22	16	0.35
(1,2707)	1:194:A:ILE:HD12	1:193:A:ASN:HD21	4	0.35
(1,2707)	1:194:A:ILE:HD12	1:193:A:ASN:HD21	5	0.35
(1,2697)	1:102:A:ILE:HD12	1:98:A:LEU:HA	3	0.35
(1,2687)	1:219:A:ILE:HD11	1:205:A:TRP:HE1	1	0.35
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	13	0.35
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	14	0.35
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	16	0.35
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG22	19	0.35
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	3	0.35
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD11	14	0.35
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD13	17	0.35
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	14	0.35
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	17	0.35
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	11	0.35
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD22	12	0.35
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	5	0.35
(1,2622)	1:204:A:VAL:HG22	1:219:A:ILE:H	6	0.35
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	8	0.35
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	18	0.35
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	12	0.35
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	18	0.35
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG23	8	0.35
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	11	0.35
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD22	14	0.35
(1,2579)	1:149:A:LEU:HD12	1:198:A:TRP:H	2	0.35
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG21	2	0.35
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG22	8	0.35
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG23	15	0.35
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	3	0.35
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	11	0.35
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	9	0.35
(1,2442)	1:175:A:LEU:HD23	1:175:A:LEU:HB3	1	0.35
(1,2442)	1:175:A:LEU:HD21	1:175:A:LEU:HB3	3	0.35
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	4	0.35
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	10	0.35
(1,2442)	1:175:A:LEU:HD21	1:175:A:LEU:HB3	14	0.35
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	16	0.35
(1,2442)	1:175:A:LEU:HD21	1:175:A:LEU:HB3	20	0.35
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB1	4	0.35
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB3	13	0.35
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	18	0.35
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	14	0.35
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG21	17	0.35
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE1	2	0.35
(1,2394)	1:189:A:ASN:HB3	1:189:A:ASN:HD22	13	0.35
(1,2394)	1:189:A:ASN:HB3	1:189:A:ASN:HD22	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	4	0.35
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	19	0.35
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	13	0.35
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	2	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	1	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	2	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG11	5	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	7	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	8	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	9	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	10	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	11	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	13	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	14	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	15	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG11	16	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	17	0.35
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG11	19	0.35
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	3	0.35
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	4	0.35
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	17	0.35
(1,2344)	1:199:A:LEU:HD21	1:198:A:TRP:HD1	3	0.35
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	8	0.35
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	17	0.35
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	20	0.35
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	2	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	1	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	6	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	7	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	11	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	16	0.35
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	18	0.35
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	8	0.35
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	14	0.35
(1,2144)	1:194:A:ILE:HD11	1:226:A:TYR:HD2	12	0.35
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	1	0.35
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	8	0.35
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	20	0.35
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	5	0.35
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	8	0.35
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	13	0.35
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	18	0.35
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	10	0.35
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	20	0.35
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	9	0.35
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG22	8	0.35
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	12	0.35
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	20	0.35
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	5	0.35
(1,1798)	1:168:A:ILE:HD13	1:233:A:LYS:H	11	0.35
(1,1794)	1:57:A:ILE:HD11	1:54:A:ASP:HA	12	0.35
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	8	0.35
(1,1793)	1:168:A:ILE:HD11	1:230:A:PRO:HA	11	0.35
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	1	0.35
(1,1788)	1:102:A:ILE:HD12	1:80:A:PHE:HB3	8	0.35
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	16	0.35
(1,1784)	1:188:A:ILE:HD12	1:192:A:GLU:HA	5	0.35
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	2	0.35
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	6	0.35
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD21	19	0.35
(1,1766)	1:219:A:ILE:HD12	1:239:A:LEU:HD23	20	0.35
(1,1730)	1:102:A:ILE:HG21	1:73:A:THR:HB	1	0.35
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	2	0.35
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	3	0.35
(1,1730)	1:102:A:ILE:HG21	1:73:A:THR:HB	7	0.35
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	9	0.35
(1,1730)	1:102:A:ILE:HG21	1:73:A:THR:HB	11	0.35
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	12	0.35
(1,1729)	1:102:A:ILE:HG22	1:106:A:GLN:HE21	4	0.35
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	4	0.35
(1,1726)	1:174:A:ALA:HB1	1:178:A:MET:H	14	0.35
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	2	0.35
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	4	0.35
(1,1725)	1:174:A:ALA:HB1	1:175:A:LEU:HA	18	0.35
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	6	0.35
(1,1695)	1:171:A:THR:HG21	1:153:A:ILE:H	2	0.35
(1,1695)	1:171:A:THR:HG21	1:153:A:ILE:H	4	0.35
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	5	0.35
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	7	0.35
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	19	0.35
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB3	2	0.35
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB2	3	0.35
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB2	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB2	9	0.35
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB1	10	0.35
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB1	11	0.35
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB2	15	0.35
(1,1685)	1:135:A:ALA:HB2	1:132:A:TYR:HA	15	0.35
(1,1683)	1:110:A:ALA:HB3	1:110:A:ALA:HA	2	0.35
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	10	0.35
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	18	0.35
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	4	0.35
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	18	0.35
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	2	0.35
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	8	0.35
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	11	0.35
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	14	0.35
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	19	0.35
(1,1647)	1:151:A:ALA:HB1	1:148:A:LEU:HD11	16	0.35
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	10	0.35
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG22	2	0.35
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	3	0.35
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	9	0.35
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	14	0.35
(1,1604)	1:185:A:THR:HG22	1:182:A:GLN:HE21	2	0.35
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	6	0.35
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB2	4	0.35
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB1	6	0.35
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB3	10	0.35
(1,1600)	1:68:A:VAL:HG22	1:76:A:ALA:HB3	12	0.35
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB1	15	0.35
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	11	0.35
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	13	0.35
(1,1590)	1:199:A:LEU:HD22	1:199:A:LEU:HA	15	0.35
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	19	0.35
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	12	0.35
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	5	0.35
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	7	0.35
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	1	0.35
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	3	0.35
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	7	0.35
(1,1555)	1:201:A:LEU:HD12	1:198:A:TRP:HA	12	0.35
(1,1555)	1:201:A:LEU:HD12	1:198:A:TRP:HA	17	0.35
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	19	0.35
(1,1555)	1:201:A:LEU:HD12	1:198:A:TRP:HA	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	17	0.35
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	10	0.35
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	12	0.35
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	4	0.35
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	8	0.35
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	10	0.35
(1,1479)	1:186:A:LEU:HG	1:183:A:ALA:HB2	6	0.35
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	13	0.35
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	14	0.35
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	3	0.35
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	2	0.35
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	19	0.35
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	13	0.35
(1,1366)	1:72:A:LYS:HD3	1:72:A:LYS:HE3	19	0.35
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	12	0.35
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	13	0.35
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	4	0.35
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	5	0.35
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	1	0.35
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	4	0.35
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	9	0.35
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	3	0.35
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	7	0.35
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	1	0.35
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	4	0.35
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	11	0.35
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	17	0.35
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG21	20	0.35
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	1	0.35
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	7	0.35
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	8	0.35
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	9	0.35
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	16	0.35
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	18	0.35
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	7	0.35
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	1	0.35
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	18	0.35
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	12	0.35
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	16	0.35
(1,1025)	1:203:A:ARG:HD3	1:203:A:ARG:HA	18	0.35
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	8	0.35
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	13	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	15	0.35
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	19	0.35
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	20	0.35
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD22	8	0.35
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	11	0.35
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD22	20	0.35
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG23	7	0.35
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	8	0.35
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	13	0.35
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	15	0.35
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	16	0.35
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	20	0.35
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	12	0.35
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	13	0.35
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	20	0.35
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	1	0.35
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB2	7	0.35
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	9	0.35
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	12	0.35
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	13	0.35
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	14	0.35
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	15	0.35
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	1	0.35
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB1	13	0.35
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	9	0.35
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	14	0.35
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	16	0.35
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	2	0.35
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB3	2	0.35
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB3	6	0.35
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	8	0.35
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	11	0.35
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	18	0.35
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	6	0.35
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	11	0.35
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	12	0.35
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	15	0.35
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	1	0.35
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	8	0.35
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	16	0.35
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	6	0.35
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	18	0.35
(1,559)	1:138:A:ASP:H	1:137:A:ILE:HG21	4	0.35
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	7	0.35
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	3	0.35
(1,554)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	10	0.35
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	18	0.35
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	1	0.35
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	5	0.35
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	7	0.35
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	11	0.35
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	12	0.35
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	18	0.35
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	9	0.35
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	1	0.35
(1,508)	1:203:A:ARG:HD2	1:205:A:TRP:H	16	0.35
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	17	0.35
(1,508)	1:203:A:ARG:HD2	1:205:A:TRP:H	18	0.35
(1,495)	1:242:A:VAL:HG13	1:244:A:ALA:H	2	0.35
(1,468)	1:51:A:SER:HB3	1:56:A:ARG:HD3	9	0.35
(1,465)	1:189:A:ASN:HB3	1:192:A:GLU:HG3	1	0.35
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD23	16	0.35
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	1	0.35
(1,441)	1:66:A:ALA:HB3	1:44:A:TYR:HB2	5	0.35
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	11	0.35
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	13	0.35
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	14	0.35
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	16	0.35
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	1	0.35
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG21	17	0.35
(1,419)	1:117:A:ALA:H	1:117:A:ALA:HB3	20	0.35
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	1	0.35
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	3	0.35
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	20	0.35
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	16	0.35
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	9	0.35
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	15	0.35
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	2	0.35
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	14	0.35
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	19	0.35
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	1	0.35
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	10	0.35
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	18	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	4	0.35
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	13	0.35
(1,319)	1:195:A:LEU:HD22	1:146:A:ILE:HG12	12	0.35
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG21	4	0.35
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	2	0.35
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	4	0.35
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	3	0.35
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	8	0.35
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	5	0.35
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	15	0.35
(1,264)	1:233:A:LYS:HE2	1:234:A:MET:H	19	0.35
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	17	0.35
(1,260)	1:143:A:ARG:HD2	1:143:A:ARG:HG3	18	0.35
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	5	0.35
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	10	0.34
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	4	0.34
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	19	0.34
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	17	0.34
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	3	0.34
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	7	0.34
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	20	0.34
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	9	0.34
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	1	0.34
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	14	0.34
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG22	16	0.34
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	18	0.34
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	16	0.34
(1,5549)	1:218:A:GLY:H	1:204:A:VAL:HG23	3	0.34
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD13	13	0.34
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD11	20	0.34
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD11	12	0.34
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	3	0.34
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD23	13	0.34
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	3	0.34
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	14	0.34
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	6	0.34
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	15	0.34
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	15	0.34
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	2	0.34
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	3	0.34
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	10	0.34
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG22	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG23	14	0.34
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	16	0.34
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB3	2	0.34
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	13	0.34
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	2	0.34
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	16	0.34
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD22	11	0.34
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	15	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	2	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	5	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	7	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	13	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	16	0.34
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	19	0.34
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	2	0.34
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	4	0.34
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	5	0.34
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	13	0.34
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	16	0.34
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	17	0.34
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	11	0.34
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	8	0.34
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	13	0.34
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG21	4	0.34
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD21	13	0.34
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	9	0.34
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	19	0.34
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	1	0.34
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	3	0.34
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	5	0.34
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	6	0.34
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	9	0.34
(1,4718)	1:186:A:LEU:H	1:186:A:LEU:HB3	17	0.34
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	4	0.34
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	4	0.34
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD12	6	0.34
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	4	0.34
(1,4411)	1:64:A:ILE:HD11	1:80:A:PHE:HE1	5	0.34
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	11	0.34
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	20	0.34
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	7	0.34
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	15	0.34
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	19	0.34
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	5	0.34
(1,4308)	1:83:A:LEU:HD11	1:60:A:GLN:HE21	1	0.34
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	8	0.34
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	15	0.34
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	5	0.34
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	12	0.34
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	13	0.34
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	4	0.34
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	13	0.34
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	4	0.34
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	7	0.34
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG22	7	0.34
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG21	18	0.34
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	10	0.34
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	17	0.34
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	3	0.34
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	13	0.34
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	1	0.34
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	8	0.34
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	9	0.34
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	6	0.34
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB1	6	0.34
(1,3815)	1:239:A:LEU:HD11	1:201:A:LEU:HD21	4	0.34
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD22	15	0.34
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG21	5	0.34
(1,3739)	1:175:A:LEU:HD11	1:198:A:TRP:HB2	17	0.34
(1,3735)	1:119:A:ILE:HD13	1:100:A:VAL:HG22	19	0.34
(1,3722)	1:153:A:ILE:HG23	1:194:A:ILE:H	13	0.34
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	2	0.34
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	3	0.34
(1,3688)	1:242:A:VAL:HG13	1:241:A:ASN:H	18	0.34
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	13	0.34
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	17	0.34
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	10	0.34
(1,3682)	1:120:A:THR:HB	1:120:A:THR:HG21	11	0.34
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	10	0.34
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG21	4	0.34
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG22	5	0.34
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG22	11	0.34
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG22	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG21	18	0.34
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	4	0.34
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD13	7	0.34
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	3	0.34
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	20	0.34
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD13	3	0.34
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD11	4	0.34
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD12	9	0.34
(1,3622)	1:104:A:LEU:HD23	1:104:A:LEU:HD12	11	0.34
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD13	20	0.34
(1,3616)	1:116:A:LEU:HD13	1:113:A:GLN:HE22	4	0.34
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	10	0.34
(1,3616)	1:116:A:LEU:HD13	1:113:A:GLN:HE22	11	0.34
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	13	0.34
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD22	15	0.34
(1,3574)	1:195:A:LEU:HD21	1:192:A:GLU:H	6	0.34
(1,3551)	1:62:A:LEU:HD21	1:62:A:LEU:H	15	0.34
(1,3551)	1:62:A:LEU:HD23	1:62:A:LEU:H	18	0.34
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	6	0.34
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	1	0.34
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB2	12	0.34
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	19	0.34
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	4	0.34
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	14	0.34
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	16	0.34
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	20	0.34
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB1	20	0.34
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	17	0.34
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	19	0.34
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	19	0.34
(1,3252)	1:235:A:LEU:HD11	1:234:A:MET:HA	12	0.34
(1,3252)	1:235:A:LEU:HD11	1:234:A:MET:HA	18	0.34
(1,3252)	1:235:A:LEU:HD11	1:234:A:MET:HA	19	0.34
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	18	0.34
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	16	0.34
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	2	0.34
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	16	0.34
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	18	0.34
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	10	0.34
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	16	0.34
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	9	0.34
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	14	0.34
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	20	0.34
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	7	0.34
(1,3094)	1:204:A:VAL:HG12	1:204:A:VAL:HA	6	0.34
(1,3094)	1:204:A:VAL:HG12	1:204:A:VAL:HA	17	0.34
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	17	0.34
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	12	0.34
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	17	0.34
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	8	0.34
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	17	0.34
(1,3067)	1:159:A:LEU:HD22	1:155:A:GLN:H	20	0.34
(1,3055)	1:154:A:ALA:HB2	1:133:A:TRP:HD1	20	0.34
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG21	4	0.34
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	4	0.34
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	12	0.34
(1,2993)	1:32:A:TYR:HB2	1:31:A:ALA:HB3	10	0.34
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	7	0.34
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	8	0.34
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	17	0.34
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	5	0.34
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	8	0.34
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	16	0.34
(1,2917)	1:124:A:LEU:HD23	1:128:A:GLN:HB2	19	0.34
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	18	0.34
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	16	0.34
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	12	0.34
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	13	0.34
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	3	0.34
(1,2725)	1:219:A:ILE:HA	1:235:A:LEU:HD21	18	0.34
(1,2707)	1:194:A:ILE:HD13	1:193:A:ASN:HD21	17	0.34
(1,2698)	1:98:A:LEU:HB2	1:102:A:ILE:HD12	3	0.34
(1,2697)	1:102:A:ILE:HD13	1:98:A:LEU:HA	6	0.34
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	6	0.34
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG21	11	0.34
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	18	0.34
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG22	11	0.34
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	8	0.34
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD12	19	0.34
(1,2651)	1:76:A:ALA:HB3	1:67:A:LEU:HD11	2	0.34
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD13	8	0.34
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD12	11	0.34
(1,2651)	1:76:A:ALA:HB2	1:67:A:LEU:HD11	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	11	0.34
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	13	0.34
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	15	0.34
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	1	0.34
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	6	0.34
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG22	13	0.34
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	12	0.34
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	17	0.34
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG23	18	0.34
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	17	0.34
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	5	0.34
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	19	0.34
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	8	0.34
(1,2490)	1:62:A:LEU:HA	1:65:A:ARG:HG2	6	0.34
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	1	0.34
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	5	0.34
(1,2447)	1:175:A:LEU:HD23	1:198:A:TRP:HA	20	0.34
(1,2442)	1:175:A:LEU:HD21	1:175:A:LEU:HB3	11	0.34
(1,2442)	1:175:A:LEU:HD22	1:175:A:LEU:HB3	18	0.34
(1,2441)	1:175:A:LEU:HD22	1:174:A:ALA:HB3	8	0.34
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD12	5	0.34
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD13	12	0.34
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG21	4	0.34
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG21	5	0.34
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	10	0.34
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	10	0.34
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	6	0.34
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	8	0.34
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	9	0.34
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	14	0.34
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	11	0.34
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG23	5	0.34
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG12	4	0.34
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG11	6	0.34
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG11	12	0.34
(1,2358)	1:187:A:VAL:HB	1:187:A:VAL:HG13	18	0.34
(1,2355)	1:242:A:VAL:HG11	1:216:A:LYS:HB2	5	0.34
(1,2355)	1:242:A:VAL:HG13	1:216:A:LYS:HB2	9	0.34
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	12	0.34
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	15	0.34
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	4	0.34
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:146:A:ILE:HD11	1:150:A:ARG:HA	6	0.34
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD11	3	0.34
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD13	5	0.34
(1,2265)	1:237:A:THR:HG21	1:241:A:ASN:HB2	10	0.34
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD12	13	0.34
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	16	0.34
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	20	0.34
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	12	0.34
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	15	0.34
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD22	1	0.34
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	10	0.34
(1,2136)	1:102:A:ILE:HD13	1:106:A:GLN:HE21	16	0.34
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB3	9	0.34
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	10	0.34
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	11	0.34
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	11	0.34
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	1	0.34
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	8	0.34
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	12	0.34
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	13	0.34
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	16	0.34
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	9	0.34
(1,1958)	1:158:A:LEU:HD21	1:158:A:LEU:HB3	11	0.34
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	13	0.34
(1,1907)	1:149:A:LEU:HD13	1:178:A:MET:HE2	16	0.34
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	10	0.34
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	11	0.34
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	18	0.34
(1,1802)	1:57:A:ILE:HD13	1:54:A:ASP:HB3	13	0.34
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	4	0.34
(1,1794)	1:57:A:ILE:HD13	1:54:A:ASP:HA	17	0.34
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	4	0.34
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	8	0.34
(1,1774)	1:119:A:ILE:HD12	1:116:A:LEU:H	11	0.34
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	15	0.34
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	16	0.34
(1,1774)	1:119:A:ILE:HD12	1:116:A:LEU:H	20	0.34
(1,1770)	1:150:A:ARG:H	1:146:A:ILE:HD11	6	0.34
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	1	0.34
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	19	0.34
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	10	0.34
(1,1730)	1:102:A:ILE:HG22	1:73:A:THR:HB	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	15	0.34
(1,1729)	1:102:A:ILE:HG21	1:106:A:GLN:HE21	13	0.34
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	18	0.34
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	8	0.34
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	15	0.34
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	20	0.34
(1,1688)	1:219:A:ILE:HG22	1:220:A:ALA:HB3	17	0.34
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	5	0.34
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	11	0.34
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	12	0.34
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	1	0.34
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	7	0.34
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	11	0.34
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	16	0.34
(1,1658)	1:66:A:ALA:HB3	1:40:A:ASP:HA	10	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	1	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	3	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	5	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB2	6	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	9	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	12	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB2	13	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	16	0.34
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	20	0.34
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	13	0.34
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	2	0.34
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	4	0.34
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	15	0.34
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	19	0.34
(1,1633)	1:201:A:LEU:HD21	1:204:A:VAL:HG21	10	0.34
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	1	0.34
(1,1618)	1:240:A:VAL:HG13	1:241:A:ASN:HA	4	0.34
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	5	0.34
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	10	0.34
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	15	0.34
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB2	3	0.34
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB2	9	0.34
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB1	13	0.34
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB3	20	0.34
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	4	0.34
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	7	0.34
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD21	1	0.34
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	13	0.34
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD21	15	0.34
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	18	0.34
(1,1586)	1:240:A:VAL:HG23	1:243:A:LYS:HE2	2	0.34
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	11	0.34
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	1	0.34
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	10	0.34
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	3	0.34
(1,1497)	1:152:A:LEU:HD22	1:152:A:LEU:HA	9	0.34
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	1	0.34
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	9	0.34
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	18	0.34
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	3	0.34
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	11	0.34
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	18	0.34
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	10	0.34
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	16	0.34
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	17	0.34
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	13	0.34
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	5	0.34
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	16	0.34
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	10	0.34
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB1	15	0.34
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	8	0.34
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD13	13	0.34
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	19	0.34
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	1	0.34
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	11	0.34
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	16	0.34
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	18	0.34
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	19	0.34
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	14	0.34
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	19	0.34
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	18	0.34
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	5	0.34
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	8	0.34
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	12	0.34
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	5	0.34
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	11	0.34
(1,1147)	1:219:A:ILE:HB	1:220:A:ALA:HB2	13	0.34
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	18	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	2	0.34
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	17	0.34
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	2	0.34
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	3	0.34
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	20	0.34
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB3	3	0.34
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	9	0.34
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	14	0.34
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	12	0.34
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	13	0.34
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	17	0.34
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	12	0.34
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG12	19	0.34
(1,931)	1:230:A:PRO:HD3	1:228:A:ASN:HD21	6	0.34
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	2	0.34
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	10	0.34
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	17	0.34
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	7	0.34
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD22	11	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB1	6	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB1	11	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	17	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB1	19	0.34
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB2	20	0.34
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	17	0.34
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	19	0.34
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	20	0.34
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	3	0.34
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	13	0.34
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	5	0.34
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	18	0.34
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	19	0.34
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	7	0.34
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	20	0.34
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	2	0.34
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	18	0.34
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	9	0.34
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB2	20	0.34
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	1	0.34
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	9	0.34
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	10	0.34
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	17	0.34
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	2	0.34
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	3	0.34
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	14	0.34
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	12	0.34
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	13	0.34
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	14	0.34
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	12	0.34
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	19	0.34
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	20	0.34
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	2	0.34
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	4	0.34
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	10	0.34
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	14	0.34
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	17	0.34
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	19	0.34
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	18	0.34
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	5	0.34
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	11	0.34
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	13	0.34
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	9	0.34
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	10	0.34
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	15	0.34
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	18	0.34
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	20	0.34
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	5	0.34
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	7	0.34
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	8	0.34
(1,415)	1:175:A:LEU:HD11	1:202:A:GLN:HB3	9	0.34
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	14	0.34
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG11	13	0.34
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	5	0.34
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	16	0.34
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	1	0.34
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	3	0.34
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	6	0.34
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	16	0.34
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	3	0.34
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	5	0.34
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	12	0.34
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	18	0.34
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	12	0.34
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	4	0.34
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	10	0.34
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG23	14	0.34
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	3	0.34
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	6	0.34
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	7	0.34
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	11	0.34
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	12	0.34
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	9	0.33
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	12	0.33
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	20	0.33
(1,5850)	1:238:A:GLN:H	1:237:A:THR:HG23	11	0.33
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG23	11	0.33
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	19	0.33
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	19	0.33
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	4	0.33
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	17	0.33
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	2	0.33
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	3	0.33
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	18	0.33
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	7	0.33
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD12	3	0.33
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	1	0.33
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	3	0.33
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	10	0.33
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	6	0.33
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	17	0.33
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	18	0.33
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	19	0.33
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	4	0.33
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG22	17	0.33
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	7	0.33
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	11	0.33
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	14	0.33
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG22	15	0.33
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	4	0.33
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	5	0.33
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	8	0.33
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	16	0.33
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD21	6	0.33
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD11	10	0.33
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	4	0.33
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	6	0.33
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	18	0.33
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG11	2	0.33
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	3	0.33
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG12	4	0.33
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG11	11	0.33
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	15	0.33
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	14	0.33
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	1	0.33
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	7	0.33
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	5	0.33
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	9	0.33
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD12	18	0.33
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	7	0.33
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	18	0.33
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	11	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG22	5	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	6	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG22	8	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG21	18	0.33
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG22	19	0.33
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD23	3	0.33
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD21	6	0.33
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	19	0.33
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	18	0.33
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	13	0.33
(1,4565)	1:245:A:PHE:HE2	1:246:A:LYS:H	17	0.33
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	5	0.33
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB1	16	0.33
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	19	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	1	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	2	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	3	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	4	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	5	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	6	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	7	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	8	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	9	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	11	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	12	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	13	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	14	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	15	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	16	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	17	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	18	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	19	0.33
(1,4469)	1:109:A:PHE:HD1	1:109:A:PHE:HE1	20	0.33
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	9	0.33
(1,4411)	1:64:A:ILE:HD11	1:80:A:PHE:HE1	1	0.33
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	4	0.33
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	9	0.33
(1,4411)	1:64:A:ILE:HD11	1:80:A:PHE:HE1	10	0.33
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	13	0.33
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	14	0.33
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	16	0.33
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	2	0.33
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	4	0.33
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	4	0.33
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	8	0.33
(1,4222)	1:188:A:ILE:HG23	1:196:A:GLN:HE22	10	0.33
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	13	0.33
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	6	0.33
(1,4173)	1:159:A:LEU:HD13	1:161:A:ALA:H	14	0.33
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	19	0.33
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	16	0.33
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	12	0.33
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	14	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	1	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	4	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG21	5	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	6	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	7	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	8	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	9	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	10	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	11	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	14	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	15	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	18	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG21	19	0.33
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG22	20	0.33
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD13	18	0.33
(1,3978)	1:141:A:GLN:HA	1:148:A:LEU:HD23	5	0.33
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	5	0.33
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	9	0.33
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG22	13	0.33
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	16	0.33
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD22	16	0.33
(1,3815)	1:239:A:LEU:HD12	1:201:A:LEU:HD23	8	0.33
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG21	18	0.33
(1,3800)	1:62:A:LEU:HD22	1:62:A:LEU:HA	2	0.33
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	7	0.33
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD21	12	0.33
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD22	16	0.33
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB1	13	0.33
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	17	0.33
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	1	0.33
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	2	0.33
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	6	0.33
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	7	0.33
(1,3683)	1:30:A:THR:HG21	1:30:A:THR:HB	10	0.33
(1,3683)	1:30:A:THR:HG21	1:30:A:THR:HB	11	0.33
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	14	0.33
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	16	0.33
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	19	0.33
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	1	0.33
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	7	0.33
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	3	0.33
(1,3656)	1:100:A:VAL:HG12	1:100:A:VAL:HG23	3	0.33
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG23	9	0.33
(1,3656)	1:100:A:VAL:HG11	1:100:A:VAL:HG23	15	0.33
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	17	0.33
(1,3656)	1:100:A:VAL:HG13	1:100:A:VAL:HG23	20	0.33
(1,3653)	1:100:A:VAL:HG22	1:96:A:THR:HG22	12	0.33
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	9	0.33
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	12	0.33
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD13	1	0.33
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD13	16	0.33
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	3	0.33
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3616)	1:116:A:LEU:HD13	1:113:A:GLN:HE22	19	0.33
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	2	0.33
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	11	0.33
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	12	0.33
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG21	15	0.33
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	19	0.33
(1,3579)	1:104:A:LEU:HD12	1:136:A:LYS:H	16	0.33
(1,3551)	1:62:A:LEU:HD22	1:62:A:LEU:H	14	0.33
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	7	0.33
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	9	0.33
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	10	0.33
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB1	4	0.33
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB1	6	0.33
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	18	0.33
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	7	0.33
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	8	0.33
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	9	0.33
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	13	0.33
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	3	0.33
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	6	0.33
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB2	10	0.33
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	11	0.33
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	13	0.33
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	15	0.33
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	3	0.33
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	6	0.33
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	7	0.33
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	8	0.33
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	10	0.33
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	13	0.33
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	20	0.33
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	15	0.33
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	6	0.33
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	7	0.33
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	9	0.33
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	19	0.33
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	12	0.33
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	1	0.33
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	14	0.33
(1,3211)	1:183:A:ALA:HB3	1:175:A:LEU:HA	17	0.33
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	19	0.33
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG12	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	2	0.33
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	12	0.33
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	6	0.33
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	8	0.33
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD13	20	0.33
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	9	0.33
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	12	0.33
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	15	0.33
(1,3054)	1:154:A:ALA:HB2	1:133:A:TRP:HZ3	1	0.33
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	2	0.33
(1,3054)	1:154:A:ALA:HB3	1:133:A:TRP:HZ3	4	0.33
(1,3027)	1:232:A:ALA:HB1	1:228:A:ASN:H	9	0.33
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	18	0.33
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	1	0.33
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	4	0.33
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	10	0.33
(1,2967)	1:158:A:LEU:HD23	1:159:A:LEU:HG	13	0.33
(1,2960)	1:199:A:LEU:HD22	1:175:A:LEU:HG	17	0.33
(1,2924)	1:124:A:LEU:HD21	1:132:A:TYR:HD1	19	0.33
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	5	0.33
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	17	0.33
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	13	0.33
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB1	5	0.33
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB1	9	0.33
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	11	0.33
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	7	0.33
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	3	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	5	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG21	7	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	8	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	9	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	10	0.33
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	15	0.33
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	15	0.33
(1,2673)	1:130:A:ALA:HB1	1:127:A:ASN:HD21	13	0.33
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD12	1	0.33
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD12	5	0.33
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	11	0.33
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	9	0.33
(1,2653)	1:171:A:THR:HG22	1:175:A:LEU:H	17	0.33
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	4	0.33
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	9	0.33
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	15	0.33
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	7	0.33
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	4	0.33
(1,2596)	1:124:A:LEU:HD22	1:120:A:THR:HA	8	0.33
(1,2596)	1:124:A:LEU:HD22	1:120:A:THR:HA	20	0.33
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG22	1	0.33
(1,2573)	1:152:A:LEU:HD12	1:171:A:THR:HG22	11	0.33
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	4	0.33
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	9	0.33
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD12	1	0.33
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD13	13	0.33
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	15	0.33
(1,2506)	1:83:A:LEU:HA	1:83:A:LEU:HD11	16	0.33
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	7	0.33
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	10	0.33
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	19	0.33
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB3	2	0.33
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	3	0.33
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG21	8	0.33
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	19	0.33
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	17	0.33
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	19	0.33
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	11	0.33
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	16	0.33
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	19	0.33
(1,2356)	1:242:A:VAL:HG13	1:243:A:LYS:HB2	2	0.33
(1,2355)	1:242:A:VAL:HG11	1:216:A:LYS:HB2	1	0.33
(1,2355)	1:242:A:VAL:HG12	1:216:A:LYS:HB2	7	0.33
(1,2344)	1:199:A:LEU:HD21	1:198:A:TRP:HD1	1	0.33
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	10	0.33
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	11	0.33
(1,2344)	1:199:A:LEU:HD23	1:198:A:TRP:HD1	19	0.33
(1,2339)	1:239:A:LEU:HD12	1:240:A:VAL:HB	16	0.33
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	20	0.33
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	6	0.33
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD12	5	0.33
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	8	0.33
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	4	0.33
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	18	0.33
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	17	0.33
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB3	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	4	0.33
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	7	0.33
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	15	0.33
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	19	0.33
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	2	0.33
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	7	0.33
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	10	0.33
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	13	0.33
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	4	0.33
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	5	0.33
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	3	0.33
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	11	0.33
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	20	0.33
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	12	0.33
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD22	15	0.33
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	19	0.33
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	5	0.33
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	7	0.33
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	4	0.33
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	18	0.33
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	12	0.33
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	13	0.33
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	19	0.33
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	16	0.33
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	19	0.33
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	16	0.33
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	8	0.33
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	16	0.33
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	18	0.33
(1,1725)	1:174:A:ALA:HB1	1:175:A:LEU:HA	6	0.33
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	10	0.33
(1,1725)	1:174:A:ALA:HB1	1:175:A:LEU:HA	15	0.33
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB2	13	0.33
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB2	14	0.33
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	3	0.33
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	6	0.33
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	8	0.33
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	14	0.33
(1,1677)	1:31:A:ALA:HB1	1:32:A:TYR:HE2	20	0.33
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	13	0.33
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	14	0.33
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	17	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	20	0.33
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	1	0.33
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	4	0.33
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB2	7	0.33
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB3	10	0.33
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	17	0.33
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	18	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	4	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	7	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB2	9	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	10	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	12	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	16	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	17	0.33
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	19	0.33
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	8	0.33
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	6	0.33
(1,1618)	1:240:A:VAL:HG11	1:241:A:ASN:HA	12	0.33
(1,1618)	1:240:A:VAL:HG13	1:241:A:ASN:HA	13	0.33
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	16	0.33
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	17	0.33
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	18	0.33
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB1	2	0.33
(1,1600)	1:68:A:VAL:HG21	1:76:A:ALA:HB2	7	0.33
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB1	17	0.33
(1,1600)	1:68:A:VAL:HG23	1:76:A:ALA:HB3	18	0.33
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	9	0.33
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	10	0.33
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD21	3	0.33
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	10	0.33
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	19	0.33
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	20	0.33
(1,1561)	1:97:A:LEU:HD22	1:132:A:TYR:HA	17	0.33
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	5	0.33
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	9	0.33
(1,1555)	1:201:A:LEU:HD11	1:198:A:TRP:HA	10	0.33
(1,1555)	1:201:A:LEU:HD13	1:198:A:TRP:HA	14	0.33
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	5	0.33
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	16	0.33
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	18	0.33
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	4	0.33
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	7	0.33
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	9	0.33
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	16	0.33
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	17	0.33
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	15	0.33
(1,1496)	1:152:A:LEU:HD21	1:167:A:ASN:HA	19	0.33
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	20	0.33
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	2	0.33
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	9	0.33
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG21	1	0.33
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	3	0.33
(1,1398)	1:182:A:GLN:HB3	1:179:A:THR:HG22	9	0.33
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD11	13	0.33
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	1	0.33
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB2	3	0.33
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	17	0.33
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	5	0.33
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	9	0.33
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	11	0.33
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	18	0.33
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	20	0.33
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG23	14	0.33
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	2	0.33
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	17	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	3	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	9	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	10	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	12	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	13	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	14	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	15	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	16	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	17	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	19	0.33
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	20	0.33
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	17	0.33
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	6	0.33
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	2	0.33
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD22	19	0.33
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	7	0.33
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	16	0.33
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	15	0.33
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	3	0.33
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	10	0.33
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	20	0.33
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	6	0.33
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG11	18	0.33
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	5	0.33
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	9	0.33
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	8	0.33
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	9	0.33
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG23	8	0.33
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	3	0.33
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	10	0.33
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	2	0.33
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	12	0.33
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	14	0.33
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB2	8	0.33
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB1	13	0.33
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	3	0.33
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG12	15	0.33
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	10	0.33
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	4	0.33
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	18	0.33
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	4	0.33
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	17	0.33
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	16	0.33
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	7	0.33
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	1	0.33
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	4	0.33
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	6	0.33
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	7	0.33
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	13	0.33
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	17	0.33
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	4	0.33
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	5	0.33
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	12	0.33
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	7	0.33
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	15	0.33
(1,554)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	16	0.33
(1,554)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	17	0.33
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	8	0.33
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	13	0.33
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	3	0.33
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	9	0.33
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	14	0.33
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	15	0.33
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	20	0.33
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE2	3	0.33
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	11	0.33
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE2	8	0.33
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	1	0.33
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	2	0.33
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	4	0.33
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	10	0.33
(1,432)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	15	0.33
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG21	6	0.33
(1,415)	1:175:A:LEU:HD12	1:202:A:GLN:HB3	5	0.33
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	3	0.33
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	4	0.33
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	3	0.33
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG11	4	0.33
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG11	7	0.33
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	9	0.33
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	12	0.33
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	18	0.33
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	8	0.33
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	9	0.33
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	15	0.33
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	12	0.33
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	11	0.33
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	19	0.33
(1,319)	1:195:A:LEU:HD23	1:146:A:ILE:HG12	9	0.33
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG23	1	0.33
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	9	0.33
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG23	12	0.33
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	6	0.33
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	11	0.33
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	14	0.33
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	16	0.33
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	9	0.33
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	13	0.33
(1,264)	1:233:A:LYS:HE3	1:234:A:MET:H	8	0.33
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	11	0.33
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	1	0.33
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	8	0.33
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	12	0.33
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	19	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	1	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	10	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	13	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	14	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	16	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	18	0.33
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	19	0.33
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	2	0.32
(1,5857)	1:205:A:TRP:HE1	1:176:A:SER:HB2	14	0.32
(1,5857)	1:205:A:TRP:HE1	1:176:A:SER:HB2	18	0.32
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	4	0.32
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	10	0.32
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	14	0.32
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	17	0.32
(1,5702)	1:178:A:MET:H	1:179:A:THR:HG22	9	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	1	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	4	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	5	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG21	6	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	7	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	9	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG22	13	0.32
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	15	0.32
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	12	0.32
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	20	0.32
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	14	0.32
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	16	0.32
(1,5488)	1:95:A:LYS:H	1:98:A:LEU:HD12	18	0.32
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	4	0.32
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD13	8	0.32
(1,5470)	1:139:A:ALA:H	1:104:A:LEU:HD12	20	0.32
(1,5429)	1:90:A:ALA:H	1:89:A:ASP:HB3	17	0.32
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD23	14	0.32
(1,5370)	1:172:A:TRP:HE1	1:239:A:LEU:HD21	18	0.32
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	3	0.32
(1,5320)	1:142:A:GLY:H	1:141:A:GLN:HB3	1	0.32
(1,5232)	1:184:A:ASN:H	1:185:A:THR:HG21	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	5	0.32
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	5	0.32
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	13	0.32
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	12	0.32
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	20	0.32
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	7	0.32
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	11	0.32
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	7	0.32
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	9	0.32
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	18	0.32
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD21	13	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG11	8	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	9	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	14	0.32
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	20	0.32
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	9	0.32
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	15	0.32
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG21	11	0.32
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	12	0.32
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	13	0.32
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	5	0.32
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	12	0.32
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	5	0.32
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	11	0.32
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	12	0.32
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD12	20	0.32
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	17	0.32
(1,4495)	1:130:A:ALA:HB2	1:133:A:TRP:HD1	3	0.32
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	4	0.32
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	12	0.32
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	15	0.32
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	17	0.32
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	8	0.32
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD22	19	0.32
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	7	0.32
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	14	0.32
(1,4279)	1:102:A:ILE:HG22	1:103:A:LYS:HE3	7	0.32
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	13	0.32
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	3	0.32
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	9	0.32
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	5	0.32
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	17	0.32
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG22	4	0.32
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG23	8	0.32
(1,4035)	1:99:A:ALA:HB1	1:96:A:THR:HG21	13	0.32
(1,4035)	1:99:A:ALA:HB2	1:96:A:THR:HG21	14	0.32
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG21	2	0.32
(1,4025)	1:187:A:VAL:HB	1:187:A:VAL:HG23	16	0.32
(1,3984)	1:236:A:PRO:HB3	1:239:A:LEU:HD11	3	0.32
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG21	2	0.32
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	4	0.32
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	14	0.32
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	18	0.32
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	20	0.32
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD23	14	0.32
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG21	1	0.32
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG21	14	0.32
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG21	20	0.32
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	13	0.32
(1,3731)	1:146:A:ILE:HD12	1:199:A:LEU:HD21	13	0.32
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB1	6	0.32
(1,3722)	1:153:A:ILE:HG21	1:194:A:ILE:H	5	0.32
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	7	0.32
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG11	13	0.32
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	4	0.32
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	5	0.32
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	9	0.32
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	12	0.32
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	15	0.32
(1,3683)	1:30:A:THR:HG21	1:30:A:THR:HB	18	0.32
(1,3683)	1:30:A:THR:HG22	1:30:A:THR:HB	20	0.32
(1,3669)	1:55:A:THR:HG21	1:59:A:TRP:HB3	10	0.32
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	5	0.32
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG12	16	0.32
(1,3661)	1:222:A:TRP:HB3	1:204:A:VAL:HG11	19	0.32
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	12	0.32
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	20	0.32
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD11	13	0.32
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG23	12	0.32
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	5	0.32
(1,3630)	1:152:A:LEU:HD12	1:149:A:LEU:HA	15	0.32
(1,3622)	1:104:A:LEU:HD21	1:104:A:LEU:HD12	6	0.32
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	8	0.32
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	12	0.32
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	1	0.32
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	10	0.32
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	7	0.32
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	14	0.32
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	17	0.32
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	11	0.32
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	19	0.32
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	5	0.32
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB2	14	0.32
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	16	0.32
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	1	0.32
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	7	0.32
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	11	0.32
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	6	0.32
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB1	8	0.32
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	11	0.32
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	14	0.32
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	6	0.32
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	1	0.32
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	11	0.32
(1,3252)	1:235:A:LEU:HD12	1:234:A:MET:HA	14	0.32
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	15	0.32
(1,3252)	1:235:A:LEU:HD13	1:234:A:MET:HA	16	0.32
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	4	0.32
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	12	0.32
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	14	0.32
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	15	0.32
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	17	0.32
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	15	0.32
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	9	0.32
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	3	0.32
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	19	0.32
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	1	0.32
(1,3093)	1:204:A:VAL:HG23	1:204:A:VAL:HA	7	0.32
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	2	0.32
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	10	0.32
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	13	0.32
(1,3067)	1:159:A:LEU:HD23	1:155:A:GLN:H	10	0.32
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	5	0.32
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3055)	1:154:A:ALA:HB2	1:133:A:TRP:HD1	14	0.32
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	13	0.32
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	16	0.32
(1,3006)	1:87:A:LEU:HB3	1:92:A:ARG:HA	10	0.32
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	9	0.32
(1,2990)	1:216:A:LYS:HG2	1:217:A:ALA:H	13	0.32
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	15	0.32
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	5	0.32
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	10	0.32
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	7	0.32
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	16	0.32
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	16	0.32
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD12	8	0.32
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	17	0.32
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	16	0.32
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	18	0.32
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	20	0.32
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	15	0.32
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG21	1	0.32
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG23	2	0.32
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG21	4	0.32
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	20	0.32
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG22	1	0.32
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG22	4	0.32
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	10	0.32
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	12	0.32
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	17	0.32
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	2	0.32
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD13	2	0.32
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD11	11	0.32
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	1	0.32
(1,2651)	1:76:A:ALA:HB1	1:67:A:LEU:HD11	3	0.32
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	1	0.32
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD22	19	0.32
(1,2622)	1:204:A:VAL:HG21	1:219:A:ILE:H	17	0.32
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	15	0.32
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG21	15	0.32
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	10	0.32
(1,2590)	1:124:A:LEU:HD22	1:97:A:LEU:HD23	15	0.32
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	14	0.32
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	3	0.32
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG22	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	1	0.32
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	13	0.32
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	14	0.32
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	2	0.32
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	8	0.32
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	17	0.32
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	12	0.32
(1,2441)	1:175:A:LEU:HD23	1:174:A:ALA:HB3	5	0.32
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	2	0.32
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	16	0.32
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	20	0.32
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	7	0.32
(1,2407)	1:82:A:GLN:HG3	1:48:A:MET:HE3	9	0.32
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	1	0.32
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	2	0.32
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	3	0.32
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	11	0.32
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	12	0.32
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	15	0.32
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	18	0.32
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	1	0.32
(1,2375)	1:151:A:ALA:HB2	1:148:A:LEU:HA	3	0.32
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	6	0.32
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	1	0.32
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	15	0.32
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	12	0.32
(1,2144)	1:194:A:ILE:HD11	1:226:A:TYR:HD2	17	0.32
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	8	0.32
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	6	0.32
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB3	14	0.32
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB1	18	0.32
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	10	0.32
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	17	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD11	4	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	5	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	6	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	9	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	14	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	15	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	18	0.32
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD13	20	0.32
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	6	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	19	0.32
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	14	0.32
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	15	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD22	1	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	2	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	7	0.32
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	11	0.32
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	3	0.32
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	4	0.32
(1,1882)	1:47:A:GLN:HG2	1:47:A:GLN:H	19	0.32
(1,1870)	1:213:A:ASP:HB3	1:214:A:MET:H	17	0.32
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	13	0.32
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	1	0.32
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	2	0.32
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	9	0.32
(1,1794)	1:57:A:ILE:HD11	1:54:A:ASP:HA	20	0.32
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	4	0.32
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	9	0.32
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	6	0.32
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	1	0.32
(1,1774)	1:119:A:ILE:HD12	1:116:A:LEU:H	5	0.32
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	7	0.32
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	9	0.32
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	10	0.32
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	14	0.32
(1,1774)	1:119:A:ILE:HD11	1:116:A:LEU:H	17	0.32
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	18	0.32
(1,1750)	1:154:A:ALA:HB1	1:133:A:TRP:HH2	4	0.32
(1,1750)	1:154:A:ALA:HB1	1:133:A:TRP:HH2	6	0.32
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	12	0.32
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	17	0.32
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	5	0.32
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	13	0.32
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	14	0.32
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	16	0.32
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	17	0.32
(1,1730)	1:102:A:ILE:HG21	1:73:A:THR:HB	4	0.32
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	5	0.32
(1,1729)	1:102:A:ILE:HG22	1:106:A:GLN:HE21	11	0.32
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	10	0.32
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	13	0.32
(1,1725)	1:174:A:ALA:HB3	1:175:A:LEU:HA	19	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	9	0.32
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	3	0.32
(1,1695)	1:171:A:THR:HG21	1:153:A:ILE:H	10	0.32
(1,1695)	1:171:A:THR:HG22	1:153:A:ILE:H	11	0.32
(1,1695)	1:171:A:THR:HG23	1:153:A:ILE:H	18	0.32
(1,1685)	1:135:A:ALA:HB2	1:132:A:TYR:HA	7	0.32
(1,1685)	1:135:A:ALA:HB2	1:132:A:TYR:HA	16	0.32
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	5	0.32
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	6	0.32
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	8	0.32
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	12	0.32
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	8	0.32
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	13	0.32
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	2	0.32
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	3	0.32
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	11	0.32
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	7	0.32
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	11	0.32
(1,1618)	1:240:A:VAL:HG12	1:241:A:ASN:HA	20	0.32
(1,1610)	1:159:A:LEU:HD13	1:160:A:GLY:HA3	7	0.32
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	19	0.32
(1,1590)	1:199:A:LEU:HD22	1:199:A:LEU:HA	1	0.32
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	8	0.32
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	14	0.32
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	17	0.32
(1,1590)	1:199:A:LEU:HD23	1:199:A:LEU:HA	20	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	2	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	5	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	11	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	14	0.32
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	16	0.32
(1,1586)	1:240:A:VAL:HG21	1:243:A:LYS:HE2	8	0.32
(1,1555)	1:201:A:LEU:HD12	1:198:A:TRP:HA	4	0.32
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	13	0.32
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	11	0.32
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	2	0.32
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	16	0.32
(1,1465)	1:87:A:LEU:HD22	1:96:A:THR:H	6	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	2	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	3	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	6	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	8	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	10	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	12	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	13	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	15	0.32
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	17	0.32
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	16	0.32
(1,1448)	1:62:A:LEU:HD22	1:32:A:TYR:HE2	18	0.32
(1,1435)	1:98:A:LEU:HD13	1:65:A:ARG:HA	3	0.32
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	14	0.32
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	4	0.32
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	13	0.32
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	2	0.32
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG21	11	0.32
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	15	0.32
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	7	0.32
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB1	6	0.32
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD13	2	0.32
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	4	0.32
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	12	0.32
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	4	0.32
(1,1208)	1:178:A:MET:HB2	1:179:A:THR:HG22	6	0.32
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	7	0.32
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	16	0.32
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	17	0.32
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	4	0.32
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	6	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	3	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	7	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	8	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	9	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	10	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	13	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	15	0.32
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	18	0.32
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	14	0.32
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	3	0.32
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	1	0.32
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB3	8	0.32
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	5	0.32
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	5	0.32
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	12	0.32
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	2	0.32
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	19	0.32
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG21	14	0.32
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	16	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	2	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	3	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	4	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	5	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	6	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	7	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	8	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	11	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	12	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	17	0.32
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	20	0.32
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	2	0.32
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB1	4	0.32
(1,789)	1:136:A:LYS:HA	1:135:A:ALA:HB3	8	0.32
(1,760)	1:93:A:ARG:HA	1:96:A:THR:HG23	5	0.32
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	18	0.32
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	7	0.32
(1,629)	1:225:A:ARG:H	1:223:A:GLN:HA	12	0.32
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA2	17	0.32
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	1	0.32
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	2	0.32
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	18	0.32
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	12	0.32
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	2	0.32
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	12	0.32
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	19	0.32
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	7	0.32
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	9	0.32
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	12	0.32
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	2	0.32
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	3	0.32
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	9	0.32
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	11	0.32
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	15	0.32
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	3	0.32
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	20	0.32
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	4	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	7	0.32
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	20	0.32
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	4	0.32
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	6	0.32
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	19	0.32
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	12	0.32
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	10	0.32
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	17	0.32
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	5	0.32
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	8	0.32
(1,429)	1:14:A:LEU:HA	1:15:A:VAL:HG23	4	0.32
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE2	14	0.32
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	13	0.32
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	17	0.32
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	16	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	1	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	2	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	3	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	5	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	6	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG11	8	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	10	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	11	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	15	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	16	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	17	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG12	19	0.32
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	20	0.32
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	4	0.32
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	13	0.32
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	9	0.32
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	17	0.32
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	18	0.32
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	18	0.32
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	1	0.32
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	7	0.32
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	8	0.32
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	10	0.32
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	13	0.32
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	18	0.32
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	2	0.32
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	9	0.32
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	14	0.32
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	2	0.32
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	9	0.32
(1,5859)	1:209:A:ARG:H	1:209:A:ARG:HE	18	0.31
(1,5837)	1:59:A:TRP:HE1	1:55:A:THR:HG21	10	0.31
(1,5787)	1:64:A:ILE:H	1:64:A:ILE:HG21	3	0.31
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	16	0.31
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	20	0.31
(1,5673)	1:243:A:LYS:H	1:242:A:VAL:HG23	12	0.31
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	5	0.31
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	1	0.31
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	3	0.31
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	17	0.31
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	15	0.31
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	11	0.31
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	14	0.31
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	6	0.31
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	14	0.31
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	16	0.31
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	6	0.31
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	16	0.31
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	18	0.31
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	11	0.31
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	1	0.31
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	19	0.31
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	17	0.31
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	19	0.31
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	1	0.31
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG12	7	0.31
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG11	18	0.31
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	2	0.31
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	3	0.31
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	20	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG11	1	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG12	6	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG12	10	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	13	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	17	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	18	0.31
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG12	19	0.31
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4945)	1:216:A:LYS:H	1:215:A:MET:HB2	10	0.31
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	5	0.31
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	8	0.31
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD11	9	0.31
(1,4939)	1:202:A:GLN:H	1:175:A:LEU:HD12	20	0.31
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	3	0.31
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD12	12	0.31
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	16	0.31
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD12	18	0.31
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	5	0.31
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	4	0.31
(1,4774)	1:60:A:GLN:H	1:83:A:LEU:HD22	15	0.31
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	12	0.31
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	2	0.31
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	17	0.31
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	16	0.31
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	17	0.31
(1,4411)	1:64:A:ILE:HD13	1:80:A:PHE:HE1	8	0.31
(1,4411)	1:64:A:ILE:HD12	1:80:A:PHE:HE1	18	0.31
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	6	0.31
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	1	0.31
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	7	0.31
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	5	0.31
(1,4308)	1:83:A:LEU:HD13	1:60:A:GLN:HE21	14	0.31
(1,4308)	1:83:A:LEU:HD11	1:60:A:GLN:HE21	20	0.31
(1,4279)	1:102:A:ILE:HG22	1:103:A:LYS:HE3	4	0.31
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	8	0.31
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	20	0.31
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	4	0.31
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	9	0.31
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD22	12	0.31
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD23	13	0.31
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	3	0.31
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	4	0.31
(1,4173)	1:159:A:LEU:HD13	1:161:A:ALA:H	10	0.31
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD13	14	0.31
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	5	0.31
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	20	0.31
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	9	0.31
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	11	0.31
(1,4043)	1:25:A:THR:HG23	1:24:A:HIS:HA	18	0.31
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	1	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	4	0.31
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	9	0.31
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	10	0.31
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	13	0.31
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	15	0.31
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	19	0.31
(1,3926)	1:149:A:LEU:HD12	1:150:A:ARG:HD2	1	0.31
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	1	0.31
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	2	0.31
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	12	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG23	4	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG21	10	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG21	11	0.31
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG21	12	0.31
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG22	17	0.31
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG23	19	0.31
(1,3780)	1:149:A:LEU:HD13	1:150:A:ARG:HD3	3	0.31
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	1	0.31
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	3	0.31
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	5	0.31
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	6	0.31
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	13	0.31
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	15	0.31
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	19	0.31
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	13	0.31
(1,3698)	1:244:A:ALA:HB3	1:241:A:ASN:H	4	0.31
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG11	7	0.31
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	9	0.31
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	12	0.31
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	18	0.31
(1,3683)	1:30:A:THR:HG23	1:30:A:THR:HB	3	0.31
(1,3683)	1:30:A:THR:HG21	1:30:A:THR:HB	8	0.31
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	8	0.31
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD13	6	0.31
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	19	0.31
(1,3630)	1:152:A:LEU:HD11	1:149:A:LEU:HA	14	0.31
(1,3622)	1:104:A:LEU:HD23	1:104:A:LEU:HD11	2	0.31
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	16	0.31
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG21	4	0.31
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	5	0.31
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG21	6	0.31
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	18	0.31
(1,3579)	1:104:A:LEU:HD12	1:136:A:LYS:H	6	0.31
(1,3579)	1:104:A:LEU:HD12	1:136:A:LYS:H	14	0.31
(1,3551)	1:62:A:LEU:HD21	1:62:A:LEU:H	9	0.31
(1,3551)	1:62:A:LEU:HD23	1:62:A:LEU:H	19	0.31
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	1	0.31
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	4	0.31
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	5	0.31
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB1	7	0.31
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	13	0.31
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	5	0.31
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	11	0.31
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	7	0.31
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	12	0.31
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	16	0.31
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	19	0.31
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	20	0.31
(1,3342)	1:72:A:LYS:HE3	1:72:A:LYS:HG2	8	0.31
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB1	5	0.31
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	16	0.31
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	2	0.31
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	17	0.31
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	12	0.31
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	19	0.31
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	5	0.31
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	13	0.31
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	18	0.31
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	20	0.31
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	6	0.31
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	11	0.31
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	11	0.31
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD21	5	0.31
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG21	11	0.31
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	16	0.31
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG21	18	0.31
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	19	0.31
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	2	0.31
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	3	0.31
(1,3093)	1:204:A:VAL:HG23	1:204:A:VAL:HA	10	0.31
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	13	0.31
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	18	0.31
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD13	3	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	4	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	7	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	9	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	15	0.31
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD12	16	0.31
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	3	0.31
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	6	0.31
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	10	0.31
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	5	0.31
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	19	0.31
(1,3054)	1:154:A:ALA:HB1	1:133:A:TRP:HZ3	8	0.31
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	7	0.31
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	6	0.31
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	11	0.31
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	16	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	2	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	7	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	11	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	14	0.31
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	17	0.31
(1,2906)	1:199:A:LEU:HD21	1:198:A:TRP:HA	3	0.31
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	11	0.31
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	19	0.31
(1,2904)	1:199:A:LEU:HD22	1:175:A:LEU:HA	1	0.31
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	8	0.31
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	9	0.31
(1,2872)	1:188:A:ILE:HG22	1:191:A:ASP:H	10	0.31
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD22	6	0.31
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	2	0.31
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	3	0.31
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	14	0.31
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD11	3	0.31
(1,2812)	1:136:A:LYS:HE2	1:151:A:ALA:HA	18	0.31
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD12	2	0.31
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	5	0.31
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	12	0.31
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	16	0.31
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	17	0.31
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	2	0.31
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	4	0.31
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	12	0.31
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	15	0.31
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	20	0.31
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	12	0.31
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	4	0.31
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	10	0.31
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	14	0.31
(1,2687)	1:219:A:ILE:HD12	1:205:A:TRP:HE1	6	0.31
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	12	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	5	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	6	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	14	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	16	0.31
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	20	0.31
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	7	0.31
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	12	0.31
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	17	0.31
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD11	3	0.31
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD11	7	0.31
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD12	8	0.31
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD11	12	0.31
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD11	14	0.31
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	14	0.31
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	3	0.31
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	14	0.31
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	16	0.31
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	6	0.31
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	13	0.31
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	20	0.31
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	2	0.31
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	7	0.31
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	15	0.31
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD12	18	0.31
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	2	0.31
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	10	0.31
(1,2622)	1:204:A:VAL:HG22	1:219:A:ILE:H	7	0.31
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	6	0.31
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	4	0.31
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	9	0.31
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	17	0.31
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	10	0.31
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG23	19	0.31
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	12	0.31
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	18	0.31
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	6	0.31
(1,2447)	1:175:A:LEU:HD23	1:198:A:TRP:HA	3	0.31
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	4	0.31
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	13	0.31
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	4	0.31
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	7	0.31
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	9	0.31
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	10	0.31
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	14	0.31
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	17	0.31
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	1	0.31
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	9	0.31
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	13	0.31
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	15	0.31
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	15	0.31
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	7	0.31
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	13	0.31
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	18	0.31
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	7	0.31
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	9	0.31
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	10	0.31
(1,2375)	1:151:A:ALA:HB2	1:148:A:LEU:HA	11	0.31
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	16	0.31
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	8	0.31
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	12	0.31
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	14	0.31
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	12	0.31
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	12	0.31
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	14	0.31
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	18	0.31
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	19	0.31
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	3	0.31
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	1	0.31
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	7	0.31
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	14	0.31
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	15	0.31
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	9	0.31
(1,2186)	1:168:A:ILE:HB	1:168:A:ILE:HD13	13	0.31
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	10	0.31
(1,2174)	1:225:A:ARG:HD2	1:225:A:ARG:HB2	10	0.31
(1,2144)	1:194:A:ILE:HD11	1:226:A:TYR:HD2	1	0.31
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	8	0.31
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	15	0.31
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	2	0.31
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	4	0.31
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	4	0.31
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	3	0.31
(1,2096)	1:223:A:GLN:HG2	1:232:A:ALA:HB2	13	0.31
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	2	0.31
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	4	0.31
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	20	0.31
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD11	11	0.31
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD12	17	0.31
(1,1973)	1:146:A:ILE:HD13	1:189:A:ASN:H	16	0.31
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	17	0.31
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	11	0.31
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	18	0.31
(1,1840)	1:206:A:PHE:HB3	1:180:A:GLN:HE21	9	0.31
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	13	0.31
(1,1788)	1:102:A:ILE:HD12	1:80:A:PHE:HB3	20	0.31
(1,1774)	1:119:A:ILE:HD12	1:116:A:LEU:H	3	0.31
(1,1766)	1:219:A:ILE:HD13	1:239:A:LEU:HD22	13	0.31
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	2	0.31
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	5	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	1	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	2	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	3	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	6	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG23	9	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	10	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG23	15	0.31
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	19	0.31
(1,1745)	1:153:A:ILE:HG21	1:156:A:GLU:H	6	0.31
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	6	0.31
(1,1730)	1:102:A:ILE:HG23	1:73:A:THR:HB	13	0.31
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	1	0.31
(1,1713)	1:57:A:ILE:HG21	1:55:A:THR:HA	2	0.31
(1,1713)	1:57:A:ILE:HG23	1:55:A:THR:HA	15	0.31
(1,1695)	1:171:A:THR:HG21	1:153:A:ILE:H	17	0.31
(1,1688)	1:219:A:ILE:HG21	1:220:A:ALA:HB3	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1685)	1:135:A:ALA:HB1	1:132:A:TYR:HA	19	0.31
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	1	0.31
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	16	0.31
(1,1661)	1:66:A:ALA:HB3	1:70:A:GLU:HG2	6	0.31
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	7	0.31
(1,1658)	1:66:A:ALA:HB2	1:40:A:ASP:HA	16	0.31
(1,1657)	1:122:A:ALA:HA	1:122:A:ALA:HB1	15	0.31
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	4	0.31
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	6	0.31
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB2	14	0.31
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	15	0.31
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	18	0.31
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB1	20	0.31
(1,1637)	1:194:A:ILE:HG23	1:198:A:TRP:H	5	0.31
(1,1637)	1:194:A:ILE:HG21	1:198:A:TRP:H	20	0.31
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	1	0.31
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	5	0.31
(1,1610)	1:159:A:LEU:HD13	1:160:A:GLY:HA3	14	0.31
(1,1590)	1:199:A:LEU:HD22	1:199:A:LEU:HA	3	0.31
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	4	0.31
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	7	0.31
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	8	0.31
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD23	9	0.31
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	1	0.31
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	12	0.31
(1,1496)	1:152:A:LEU:HD22	1:167:A:ASN:HA	7	0.31
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	12	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	1	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	4	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	9	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	11	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	14	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	16	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	18	0.31
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	19	0.31
(1,1435)	1:98:A:LEU:HD13	1:65:A:ARG:HA	1	0.31
(1,1435)	1:98:A:LEU:HD13	1:65:A:ARG:HA	6	0.31
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	7	0.31
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD22	7	0.31
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	6	0.31
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	11	0.31
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD11	10	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	20	0.31
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD13	14	0.31
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	2	0.31
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	11	0.31
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB1	14	0.31
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	6	0.31
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	14	0.31
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD12	16	0.31
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	14	0.31
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	6	0.31
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	13	0.31
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	2	0.31
(1,1145)	1:241:A:ASN:HB2	1:241:A:ASN:HD22	1	0.31
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	6	0.31
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	16	0.31
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	18	0.31
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	12	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	6	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB3	11	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	12	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	13	0.31
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	20	0.31
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	11	0.31
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	10	0.31
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	10	0.31
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	3	0.31
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	13	0.31
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG11	10	0.31
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	2	0.31
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	6	0.31
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG22	18	0.31
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	2	0.31
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	3	0.31
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD21	15	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	1	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	10	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	13	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	14	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	15	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	16	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	18	0.31
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB1	5	0.31
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	8	0.31
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB2	10	0.31
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	10	0.31
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	17	0.31
(1,710)	1:140:A:SER:HB2	1:139:A:ALA:HB3	15	0.31
(1,692)	1:212:A:PRO:HA	1:242:A:VAL:HG13	6	0.31
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	11	0.31
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	1	0.31
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	7	0.31
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	9	0.31
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	18	0.31
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	2	0.31
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	5	0.31
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	16	0.31
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	20	0.31
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	5	0.31
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	10	0.31
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	3	0.31
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	19	0.31
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	15	0.31
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	16	0.31
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	11	0.31
(1,544)	1:136:A:LYS:HD2	1:133:A:TRP:HE3	16	0.31
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	2	0.31
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	9	0.31
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	12	0.31
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	15	0.31
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE2	5	0.31
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE2	10	0.31
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	13	0.31
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	2	0.31
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	5	0.31
(1,372)	1:240:A:VAL:HB	1:240:A:VAL:HG13	14	0.31
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	18	0.31
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	20	0.31
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	3	0.31
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	5	0.31
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	7	0.31
(1,325)	1:119:A:ILE:H	1:118:A:LYS:HG2	14	0.31
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	3	0.31
(1,282)	1:180:A:GLN:HG2	1:179:A:THR:HA	17	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	2	0.31
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	7	0.31
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	17	0.31
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	7	0.31
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	11	0.31
(1,264)	1:233:A:LYS:HE3	1:234:A:MET:H	11	0.31
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	6	0.31
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	10	0.31
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	4	0.31
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	17	0.31
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	20	0.31
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	4	0.31
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	12	0.3
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	2	0.3
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	5	0.3
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	2	0.3
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	5	0.3
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	15	0.3
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	6	0.3
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	14	0.3
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	10	0.3
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	5	0.3
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	9	0.3
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	12	0.3
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	15	0.3
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	13	0.3
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	3	0.3
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	7	0.3
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	10	0.3
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	17	0.3
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	7	0.3
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	20	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	2	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	5	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	6	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	13	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	14	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	17	0.3
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	18	0.3
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB3	9	0.3
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD13	12	0.3
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD22	10	0.3
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	13	0.3
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD23	19	0.3
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD11	18	0.3
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	5	0.3
(1,4970)	1:44:A:TYR:H	1:43:A:PHE:HB2	11	0.3
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG11	5	0.3
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG13	7	0.3
(1,4951)	1:78:A:GLU:H	1:77:A:VAL:HG12	12	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	1	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	4	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	10	0.3
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	14	0.3
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	2	0.3
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD12	12	0.3
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	13	0.3
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	15	0.3
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	3	0.3
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	16	0.3
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD11	1	0.3
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	15	0.3
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	10	0.3
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	16	0.3
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	5	0.3
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	19	0.3
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	14	0.3
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	2	0.3
(1,4424)	1:205:A:TRP:HD1	1:239:A:LEU:HD12	11	0.3
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	8	0.3
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	6	0.3
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	3	0.3
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	8	0.3
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	19	0.3
(1,4308)	1:83:A:LEU:HD13	1:60:A:GLN:HE21	15	0.3
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	9	0.3
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	15	0.3
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	16	0.3
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	16	0.3
(1,4222)	1:188:A:ILE:HG23	1:196:A:GLN:HE22	11	0.3
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	16	0.3
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	20	0.3
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4173)	1:159:A:LEU:HD13	1:161:A:ALA:H	18	0.3
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	6	0.3
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	7	0.3
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	12	0.3
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	10	0.3
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	8	0.3
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	9	0.3
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	2	0.3
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	5	0.3
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	19	0.3
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	2	0.3
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	6	0.3
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	12	0.3
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	13	0.3
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	16	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	1	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	3	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	7	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG21	11	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG21	14	0.3
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	18	0.3
(1,3941)	1:237:A:THR:HG23	1:241:A:ASN:HA	11	0.3
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	15	0.3
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	19	0.3
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	3	0.3
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG22	8	0.3
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG22	9	0.3
(1,3812)	1:122:A:ALA:HB3	1:120:A:THR:HG23	13	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	2	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	4	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	7	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	8	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	9	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	10	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	11	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	12	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	14	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	16	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	17	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	18	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	19	0.3
(1,3753)	1:27:A:ASP:HB3	1:27:A:ASP:HA	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	6	0.3
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	5	0.3
(1,3739)	1:175:A:LEU:HD11	1:198:A:TRP:HB2	10	0.3
(1,3731)	1:146:A:ILE:HD11	1:199:A:LEU:HD23	3	0.3
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB2	11	0.3
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	11	0.3
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	6	0.3
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	7	0.3
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG21	18	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	1	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	2	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	3	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG11	4	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	5	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	6	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG11	8	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	10	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	11	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	15	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	16	0.3
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	17	0.3
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	1	0.3
(1,3669)	1:55:A:THR:HG22	1:59:A:TRP:HB3	4	0.3
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	11	0.3
(1,3649)	1:62:A:LEU:HD11	1:62:A:LEU:H	7	0.3
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD13	16	0.3
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	11	0.3
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG23	3	0.3
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG21	7	0.3
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	8	0.3
(1,3622)	1:104:A:LEU:HD23	1:104:A:LEU:HD11	12	0.3
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	14	0.3
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	18	0.3
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	3	0.3
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	7	0.3
(1,3579)	1:104:A:LEU:HD12	1:136:A:LYS:H	10	0.3
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	11	0.3
(1,3574)	1:195:A:LEU:HD22	1:192:A:GLU:H	4	0.3
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	15	0.3
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	9	0.3
(1,3551)	1:62:A:LEU:HD21	1:62:A:LEU:H	5	0.3
(1,3551)	1:62:A:LEU:HD21	1:62:A:LEU:H	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG22	15	0.3
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	8	0.3
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB3	2	0.3
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	19	0.3
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	5	0.3
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB2	11	0.3
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	14	0.3
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	16	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	4	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	7	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	10	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB1	17	0.3
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB1	19	0.3
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	7	0.3
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	9	0.3
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	10	0.3
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	11	0.3
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	19	0.3
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	12	0.3
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	11	0.3
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	2	0.3
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG21	10	0.3
(1,3094)	1:204:A:VAL:HG11	1:204:A:VAL:HA	12	0.3
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	1	0.3
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD13	5	0.3
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD13	11	0.3
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	14	0.3
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	18	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE2	2	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	4	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	12	0.3
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	17	0.3
(1,3055)	1:154:A:ALA:HB2	1:133:A:TRP:HD1	4	0.3
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	8	0.3
(1,3054)	1:154:A:ALA:HB3	1:133:A:TRP:HZ3	20	0.3
(1,2999)	1:102:A:ILE:HG13	1:73:A:THR:HG21	5	0.3
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	10	0.3
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	4	0.3
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	16	0.3
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	3	0.3
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	4	0.3
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD12	19	0.3
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	2	0.3
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	5	0.3
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	6	0.3
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	8	0.3
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	9	0.3
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	13	0.3
(1,2906)	1:199:A:LEU:HD21	1:198:A:TRP:HA	15	0.3
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	2	0.3
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	6	0.3
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	10	0.3
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	11	0.3
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	13	0.3
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	14	0.3
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	20	0.3
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	11	0.3
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	18	0.3
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	4	0.3
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	7	0.3
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	20	0.3
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	5	0.3
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB3	19	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	3	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD11	5	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	10	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	11	0.3
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	14	0.3
(1,2704)	1:194:A:ILE:HD12	1:230:A:PRO:HG3	17	0.3
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	19	0.3
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	3	0.3
(1,2679)	1:77:A:VAL:H	1:102:A:ILE:HG22	17	0.3
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	2	0.3
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	9	0.3
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD11	9	0.3
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD12	20	0.3
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	2	0.3
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	10	0.3
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	11	0.3
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB1	16	0.3
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	5	0.3
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	7	0.3
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG22	12	0.3
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	13	0.3
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	14	0.3
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	20	0.3
(1,2654)	1:171:A:THR:HG22	1:174:A:ALA:H	4	0.3
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	6	0.3
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	7	0.3
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	9	0.3
(1,2654)	1:171:A:THR:HG22	1:174:A:ALA:H	10	0.3
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	15	0.3
(1,2653)	1:171:A:THR:HG22	1:175:A:LEU:H	2	0.3
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	11	0.3
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	16	0.3
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	19	0.3
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD12	12	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	4	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	5	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	7	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD21	8	0.3
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD22	20	0.3
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	2	0.3
(1,2622)	1:204:A:VAL:HG23	1:219:A:ILE:H	3	0.3
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	3	0.3
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	2	0.3
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	15	0.3
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	16	0.3
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	14	0.3
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	3	0.3
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	6	0.3
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	8	0.3
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	15	0.3
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	1	0.3
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	12	0.3
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	2	0.3
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	3	0.3
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	6	0.3
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	15	0.3
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	19	0.3
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	7	0.3
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	13	0.3
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	20	0.3
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD12	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	5	0.3
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	10	0.3
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	11	0.3
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	12	0.3
(1,2474)	1:225:A:ARG:HA	1:225:A:ARG:HD3	10	0.3
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	12	0.3
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD23	14	0.3
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	2	0.3
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	16	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	5	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	8	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	11	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	13	0.3
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	15	0.3
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD22	5	0.3
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG23	16	0.3
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	4	0.3
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	5	0.3
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	9	0.3
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	17	0.3
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	20	0.3
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	16	0.3
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	10	0.3
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	20	0.3
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	2	0.3
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	4	0.3
(1,2375)	1:151:A:ALA:HB2	1:148:A:LEU:HA	5	0.3
(1,2375)	1:151:A:ALA:HB2	1:148:A:LEU:HA	8	0.3
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	12	0.3
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	13	0.3
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	14	0.3
(1,2375)	1:151:A:ALA:HB2	1:148:A:LEU:HA	19	0.3
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	20	0.3
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG11	8	0.3
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	14	0.3
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG11	19	0.3
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	17	0.3
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	2	0.3
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	4	0.3
(1,2339)	1:239:A:LEU:HD12	1:240:A:VAL:HB	13	0.3
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	10	0.3
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2189)	1:48:A:MET:HE1	1:79:A:LEU:HD12	1	0.3
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD11	20	0.3
(1,2157)	1:129:A:GLN:HB3	1:124:A:LEU:HD23	14	0.3
(1,2144)	1:194:A:ILE:HD12	1:226:A:TYR:HD2	7	0.3
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	2	0.3
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	3	0.3
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	6	0.3
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	8	0.3
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	13	0.3
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	1	0.3
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE2	3	0.3
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	12	0.3
(1,2040)	1:113:A:GLN:HB2	1:116:A:LEU:HD11	19	0.3
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	18	0.3
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	7	0.3
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	18	0.3
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	1	0.3
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	10	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	4	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	8	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	9	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	17	0.3
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	19	0.3
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	5	0.3
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	8	0.3
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	10	0.3
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	14	0.3
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	17	0.3
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	20	0.3
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	5	0.3
(1,1845)	1:55:A:THR:HG22	1:56:A:ARG:H	4	0.3
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	10	0.3
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	5	0.3
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG22	6	0.3
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	15	0.3
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	16	0.3
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG22	17	0.3
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	13	0.3
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	2	0.3
(1,1774)	1:119:A:ILE:HD13	1:116:A:LEU:H	18	0.3
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	18	0.3
(1,1750)	1:154:A:ALA:HB1	1:133:A:TRP:HH2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	7	0.3
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	8	0.3
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	11	0.3
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	12	0.3
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	18	0.3
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG22	20	0.3
(1,1729)	1:102:A:ILE:HG23	1:106:A:GLN:HE21	14	0.3
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	3	0.3
(1,1726)	1:174:A:ALA:HB1	1:178:A:MET:H	6	0.3
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	13	0.3
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	19	0.3
(1,1725)	1:174:A:ALA:HB1	1:175:A:LEU:HA	14	0.3
(1,1725)	1:174:A:ALA:HB2	1:175:A:LEU:HA	16	0.3
(1,1723)	1:130:A:ALA:HB2	1:155:A:GLN:HA	8	0.3
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	15	0.3
(1,1688)	1:219:A:ILE:HG23	1:220:A:ALA:HB3	1	0.3
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	1	0.3
(1,1677)	1:31:A:ALA:HB2	1:32:A:TYR:HE2	17	0.3
(1,1677)	1:31:A:ALA:HB3	1:32:A:TYR:HE2	19	0.3
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB2	1	0.3
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	5	0.3
(1,1651)	1:161:A:ALA:HA	1:161:A:ALA:HB3	8	0.3
(1,1637)	1:194:A:ILE:HG22	1:198:A:TRP:H	13	0.3
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	20	0.3
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	6	0.3
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	9	0.3
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	12	0.3
(1,1604)	1:185:A:THR:HG21	1:182:A:GLN:HE21	12	0.3
(1,1590)	1:199:A:LEU:HD21	1:199:A:LEU:HA	5	0.3
(1,1589)	1:198:A:TRP:H	1:199:A:LEU:HD22	6	0.3
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	13	0.3
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	14	0.3
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	16	0.3
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	19	0.3
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	20	0.3
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	8	0.3
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	3	0.3
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	4	0.3
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	13	0.3
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	15	0.3
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	13	0.3
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	15	0.3
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	16	0.3
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	20	0.3
(1,1455)	1:121:A:PRO:HG2	1:121:A:PRO:HA	5	0.3
(1,1453)	1:17:A:ARG:HG2	1:52:A:SER:HB2	15	0.3
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	1	0.3
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	6	0.3
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	8	0.3
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG22	8	0.3
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG23	12	0.3
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	10	0.3
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	14	0.3
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD12	4	0.3
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	6	0.3
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	9	0.3
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	1	0.3
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	7	0.3
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	15	0.3
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	2	0.3
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	20	0.3
(1,1105)	1:188:A:ILE:HB	1:189:A:ASN:HB3	13	0.3
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	1	0.3
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	16	0.3
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	2	0.3
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB3	5	0.3
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	10	0.3
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB3	19	0.3
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	3	0.3
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	7	0.3
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	6	0.3
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	19	0.3
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG23	11	0.3
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	17	0.3
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	2	0.3
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	2	0.3
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	5	0.3
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	8	0.3
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	17	0.3
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG12	6	0.3
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	16	0.3
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	18	0.3
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	18	0.3
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	6	0.3
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	7	0.3
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	8	0.3
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	9	0.3
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	18	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	3	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	4	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	6	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	8	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	11	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	13	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	17	0.3
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	19	0.3
(1,653)	1:59:A:TRP:HE1	1:51:A:SER:HB3	19	0.3
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	3	0.3
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	8	0.3
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	2	0.3
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	13	0.3
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	14	0.3
(1,636)	1:35:A:GLY:H	1:37:A:ALA:HB3	15	0.3
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	4	0.3
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	14	0.3
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	9	0.3
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	13	0.3
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	8	0.3
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	14	0.3
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	5	0.3
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	17	0.3
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	8	0.3
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	17	0.3
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	19	0.3
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	15	0.3
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	11	0.3
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	15	0.3
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	1	0.3
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	9	0.3
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	14	0.3
(1,550)	1:176:A:SER:HB2	1:205:A:TRP:HZ2	18	0.3
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	1	0.3
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	7	0.3
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	3	0.3
(1,508)	1:203:A:ARG:HD3	1:205:A:TRP:H	7	0.3
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE3	6	0.3
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE2	13	0.3
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE2	16	0.3
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	9	0.3
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	7	0.3
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	9	0.3
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	16	0.3
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	12	0.3
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	14	0.3
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	16	0.3
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	6	0.3
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	8	0.3
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	12	0.3
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	5	0.3
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	7	0.3
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	15	0.3
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	17	0.3
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	16	0.3
(1,271)	1:54:A:ASP:HB2	1:55:A:THR:HA	11	0.3
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	4	0.3
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	10	0.3
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	13	0.3
(1,264)	1:233:A:LYS:HE3	1:234:A:MET:H	3	0.3
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	5	0.3
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	8	0.3
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	12	0.3
(1,231)	1:75:A:GLN:HA	1:75:A:GLN:HB3	15	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	1	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	2	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	3	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	5	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	6	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	7	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	8	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	9	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	10	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	12	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	13	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	14	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	17	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	18	0.3
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	20	0.3
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	1	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	1	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	1	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	1	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	1	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	1	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	2	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	2	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	2	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	2	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	2	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	2	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	3	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	3	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	3	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	3	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	3	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	3	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	4	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	4	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	4	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	4	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	4	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	4	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	5	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	5	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	5	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	5	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	5	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	5	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	6	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	6	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	6	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	6	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	6	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	6	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	7	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	7	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	7	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	7	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	7	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	8	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	8	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	8	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	8	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	8	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	8	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	9	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	9	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	9	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	9	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	9	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	9	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	10	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	10	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	10	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	10	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	10	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	10	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	11	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	11	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	11	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	11	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	11	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	11	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	12	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	12	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	12	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	12	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	12	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	12	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	13	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	13	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	13	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	13	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	13	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	13	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	14	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	14	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	14	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	14	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	14	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	15	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	15	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	15	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	15	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	15	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	15	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	16	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	16	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	16	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	16	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	16	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	16	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	17	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	17	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	17	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	17	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	17	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	17	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	18	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	18	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	18	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	18	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	18	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	18	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	19	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	19	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	19	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	19	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	19	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	19	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG22	20	0.29
(1,6069)	1:237:A:THR:HG21	1:237:A:THR:HG23	20	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG21	20	0.29
(1,6069)	1:237:A:THR:HG22	1:237:A:THR:HG23	20	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG21	20	0.29
(1,6069)	1:237:A:THR:HG23	1:237:A:THR:HG22	20	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	1	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	1	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	1	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	1	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	1	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	2	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	2	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	2	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	2	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	2	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	2	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	3	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	3	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	3	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	3	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	3	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	3	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	4	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	4	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	4	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	4	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	4	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	4	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	5	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	5	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	5	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	5	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	5	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	5	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	6	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	6	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	6	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	6	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	6	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	6	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	7	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	7	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	7	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	7	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	7	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	7	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	8	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	8	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	8	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	8	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	8	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	9	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	9	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	9	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	9	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	9	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	9	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	10	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	10	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	10	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	10	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	10	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	10	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	11	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	11	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	11	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	11	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	11	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	11	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	12	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	12	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	12	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	12	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	12	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	12	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	13	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	13	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	13	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	13	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	13	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	13	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	14	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	14	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	14	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	14	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	14	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	14	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	15	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	15	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	15	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	15	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	15	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	16	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	16	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	16	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	16	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	16	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	16	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	17	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	17	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	17	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	17	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	17	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	17	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	18	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	18	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	18	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	18	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	18	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	18	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	19	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	19	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	19	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	19	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	19	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	19	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG22	20	0.29
(1,6022)	1:179:A:THR:HG21	1:179:A:THR:HG23	20	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG21	20	0.29
(1,6022)	1:179:A:THR:HG22	1:179:A:THR:HG23	20	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG21	20	0.29
(1,6022)	1:179:A:THR:HG23	1:179:A:THR:HG22	20	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	1	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	1	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	1	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	1	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	1	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	1	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	2	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	2	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	2	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	2	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	2	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	3	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	3	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	3	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	3	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	3	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	3	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	4	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	4	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	4	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	4	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	4	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	4	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	5	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	5	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	5	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	5	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	5	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	5	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	6	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	6	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	6	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	6	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	6	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	6	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	7	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	7	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	7	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	7	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	7	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	7	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	8	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	8	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	8	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	8	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	8	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	8	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	9	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	9	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	9	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	9	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	9	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	10	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	10	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	10	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	10	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	10	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	10	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	11	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	11	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	11	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	11	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	11	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	11	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	12	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	12	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	12	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	12	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	12	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	12	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	13	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	13	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	13	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	13	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	13	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	13	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	14	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	14	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	14	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	14	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	14	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	14	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	15	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	15	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	15	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	15	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	15	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	15	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	16	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	16	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	16	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	16	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	16	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	17	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	17	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	17	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	17	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	17	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	17	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	18	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	18	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	18	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	18	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	18	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	18	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	19	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	19	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	19	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	19	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	19	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	19	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	20	0.29
(1,5908)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	20	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	20	0.29
(1,5908)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	20	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	20	0.29
(1,5908)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	20	0.29
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	4	0.29
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	15	0.29
(1,5857)	1:205:A:TRP:HE1	1:176:A:SER:HB2	11	0.29
(1,5832)	1:198:A:TRP:HE1	1:153:A:ILE:HG22	11	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	3	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	4	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	7	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD13	12	0.29
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD13	20	0.29
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	10	0.29
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	12	0.29
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	4	0.29
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	14	0.29
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	17	0.29
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	20	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	3	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	4	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	6	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	8	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	9	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	10	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	11	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	12	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	13	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	14	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	15	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	18	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	19	0.29
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	20	0.29
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	10	0.29
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	15	0.29
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	18	0.29
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	11	0.29
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	5	0.29
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	13	0.29
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	19	0.29
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	14	0.29
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	14	0.29
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	12	0.29
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	2	0.29
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	10	0.29
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	18	0.29
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	2	0.29
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	3	0.29
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	1	0.29
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	2	0.29
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	11	0.29
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	13	0.29
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	15	0.29
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	19	0.29
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	2	0.29
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	3	0.29
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	3	0.29
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	9	0.29
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD22	1	0.29
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	3	0.29
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	8	0.29
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	17	0.29
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG23	15	0.29
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	5	0.29
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	8	0.29
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	20	0.29
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD11	2	0.29
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	3	0.29
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	15	0.29
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB3	13	0.29
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	6	0.29
(1,4495)	1:130:A:ALA:HB2	1:133:A:TRP:HD1	8	0.29
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	2	0.29
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	7	0.29
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	9	0.29
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	20	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	2	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	5	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	6	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	11	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	16	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	18	0.29
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	20	0.29
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	1	0.29
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	3	0.29
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	9	0.29
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	7	0.29
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	12	0.29
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	18	0.29
(1,4279)	1:102:A:ILE:HG22	1:103:A:LYS:HE3	19	0.29
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	1	0.29
(1,4250)	1:239:A:LEU:HD23	1:172:A:TRP:HD1	5	0.29
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	6	0.29
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	7	0.29
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	8	0.29
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	2	0.29
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	12	0.29
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	12	0.29
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	14	0.29
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	11	0.29
(1,4173)	1:159:A:LEU:HD12	1:161:A:ALA:H	2	0.29
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	4	0.29
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	5	0.29
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	8	0.29
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	9	0.29
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	13	0.29
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	6	0.29
(1,4043)	1:25:A:THR:HG23	1:24:A:HIS:HA	8	0.29
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	10	0.29
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	13	0.29
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	2	0.29
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	1	0.29
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	3	0.29
(1,3988)	1:36:A:THR:HG23	1:36:A:THR:HB	4	0.29
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	5	0.29
(1,3988)	1:36:A:THR:HG23	1:36:A:THR:HB	7	0.29
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	8	0.29
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	9	0.29
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	10	0.29
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	14	0.29
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	19	0.29
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	20	0.29
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	8	0.29
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	16	0.29
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	20	0.29
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	8	0.29
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	3	0.29
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	9	0.29
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	5	0.29
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	7	0.29
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD23	11	0.29
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG23	2	0.29
(1,3812)	1:122:A:ALA:HB3	1:120:A:THR:HG23	7	0.29
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	1	0.29
(1,3739)	1:175:A:LEU:HD11	1:198:A:TRP:HB2	2	0.29
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	3	0.29
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	6	0.29
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	7	0.29
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	11	0.29
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	17	0.29
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	10	0.29
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	7	0.29
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	8	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	20	0.29
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	14	0.29
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG12	19	0.29
(1,3693)	1:240:A:VAL:HB	1:240:A:VAL:HG13	20	0.29
(1,3670)	1:98:A:LEU:HD23	1:65:A:ARG:H	19	0.29
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD13	2	0.29
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD13	14	0.29
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	19	0.29
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG23	6	0.29
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	5	0.29
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	7	0.29
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG21	7	0.29
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG23	13	0.29
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	20	0.29
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	9	0.29
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	13	0.29
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	19	0.29
(1,3575)	1:150:A:ARG:H	1:195:A:LEU:HD21	3	0.29
(1,3574)	1:195:A:LEU:HD23	1:192:A:GLU:H	5	0.29
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	18	0.29
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	2	0.29
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	7	0.29
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	17	0.29
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG22	8	0.29
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	17	0.29
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB1	17	0.29
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	6	0.29
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	9	0.29
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	2	0.29
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	13	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB2	1	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	4	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	9	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	13	0.29
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB2	15	0.29
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	1	0.29
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	2	0.29
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	4	0.29
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG21	11	0.29
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	14	0.29
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	20	0.29
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	2	0.29
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	13	0.29
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	20	0.29
(1,3168)	1:78:A:GLU:HA	1:82:A:GLN:H	5	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	4	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	5	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG21	8	0.29
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	15	0.29
(1,3088)	1:96:A:THR:HA	1:119:A:ILE:HD11	19	0.29
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE2	18	0.29
(1,3055)	1:154:A:ALA:HB1	1:133:A:TRP:HD1	17	0.29
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	3	0.29
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	9	0.29
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	19	0.29
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	19	0.29
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	7	0.29
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	15	0.29
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD11	16	0.29
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	1	0.29
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD13	15	0.29
(1,2926)	1:95:A:LYS:HA	1:83:A:LEU:HD11	20	0.29
(1,2920)	1:83:A:LEU:HD13	1:96:A:THR:H	6	0.29
(1,2906)	1:199:A:LEU:HD21	1:198:A:TRP:HA	1	0.29
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	14	0.29
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	12	0.29
(1,2904)	1:199:A:LEU:HD22	1:175:A:LEU:HA	15	0.29
(1,2881)	1:65:A:ARG:HD2	1:44:A:TYR:HE2	19	0.29
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	10	0.29
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	11	0.29
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	12	0.29
(1,2872)	1:188:A:ILE:HG21	1:191:A:ASP:H	7	0.29
(1,2777)	1:97:A:LEU:HD12	1:135:A:ALA:HB2	18	0.29
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	13	0.29
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	11	0.29
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	19	0.29
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	1	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	1	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD12	2	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	9	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	15	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	16	0.29
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2687)	1:219:A:ILE:HD13	1:205:A:TRP:HE1	17	0.29
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG23	3	0.29
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG22	7	0.29
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	8	0.29
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	5	0.29
(1,2673)	1:130:A:ALA:HB3	1:127:A:ASN:HD21	11	0.29
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD12	13	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	5	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	6	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB1	8	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	15	0.29
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	20	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG22	2	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG22	4	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	6	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	9	0.29
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	15	0.29
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	3	0.29
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	8	0.29
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	11	0.29
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	13	0.29
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	14	0.29
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	20	0.29
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	1	0.29
(1,2653)	1:171:A:THR:HG22	1:175:A:LEU:H	4	0.29
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	7	0.29
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	8	0.29
(1,2653)	1:171:A:THR:HG22	1:175:A:LEU:H	10	0.29
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	14	0.29
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	15	0.29
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	3	0.29
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	14	0.29
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	17	0.29
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	8	0.29
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	10	0.29
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG23	5	0.29
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD11	2	0.29
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	9	0.29
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	11	0.29
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	16	0.29
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	9	0.29
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG21	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	15	0.29
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	9	0.29
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	10	0.29
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	15	0.29
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	3	0.29
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	14	0.29
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	19	0.29
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	13	0.29
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	17	0.29
(1,2447)	1:175:A:LEU:HD21	1:198:A:TRP:HA	10	0.29
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	5	0.29
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	14	0.29
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	20	0.29
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	1	0.29
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD12	19	0.29
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	2	0.29
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	20	0.29
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	12	0.29
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	3	0.29
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	14	0.29
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	19	0.29
(1,2395)	1:159:A:LEU:HD12	1:163:A:GLU:HG2	3	0.29
(1,2393)	1:109:A:PHE:H	1:108:A:ASP:HB2	15	0.29
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB3	3	0.29
(1,2378)	1:229:A:ASN:H	1:232:A:ALA:HB2	10	0.29
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	15	0.29
(1,2375)	1:151:A:ALA:HB1	1:148:A:LEU:HA	17	0.29
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	17	0.29
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	20	0.29
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	10	0.29
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	11	0.29
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	1	0.29
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	5	0.29
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	8	0.29
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	15	0.29
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD13	6	0.29
(1,2252)	1:233:A:LYS:H	1:233:A:LYS:HD3	9	0.29
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD12	16	0.29
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	10	0.29
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	3	0.29
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	6	0.29
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	7	0.29
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	19	0.29
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	12	0.29
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	16	0.29
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	4	0.29
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	12	0.29
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	2	0.29
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	5	0.29
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	10	0.29
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	12	0.29
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD11	18	0.29
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	17	0.29
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	1	0.29
(1,1845)	1:55:A:THR:HG21	1:56:A:ARG:H	17	0.29
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG22	3	0.29
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	19	0.29
(1,1807)	1:176:A:SER:HB3	1:173:A:GLN:HE21	3	0.29
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	6	0.29
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	3	0.29
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	5	0.29
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	15	0.29
(1,1784)	1:188:A:ILE:HD12	1:192:A:GLU:HA	19	0.29
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	4	0.29
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	8	0.29
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	16	0.29
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	17	0.29
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	9	0.29
(1,1748)	1:138:A:ASP:H	1:137:A:ILE:HG21	4	0.29
(1,1729)	1:102:A:ILE:HG22	1:106:A:GLN:HE21	19	0.29
(1,1726)	1:174:A:ALA:HB1	1:178:A:MET:H	15	0.29
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	16	0.29
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	17	0.29
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	16	0.29
(1,1658)	1:66:A:ALA:HB1	1:40:A:ASP:HA	20	0.29
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	5	0.29
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	9	0.29
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	15	0.29
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	8	0.29
(1,1512)	1:162:A:LYS:HG3	1:161:A:ALA:H	19	0.29
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	10	0.29
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	12	0.29
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1496)	1:152:A:LEU:HD23	1:167:A:ASN:HA	6	0.29
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	10	0.29
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	5	0.29
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD21	10	0.29
(1,1414)	1:92:A:ARG:HG3	1:87:A:LEU:HD23	14	0.29
(1,1413)	1:93:A:ARG:HG3	1:119:A:ILE:HG21	20	0.29
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	18	0.29
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	12	0.29
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	11	0.29
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	20	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	4	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	7	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	11	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	13	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	16	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	18	0.29
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	19	0.29
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB1	18	0.29
(1,1251)	1:46:A:GLN:HG3	1:46:A:GLN:HE22	10	0.29
(1,1251)	1:46:A:GLN:HG3	1:46:A:GLN:HE22	13	0.29
(1,1251)	1:46:A:GLN:HG3	1:46:A:GLN:HE22	16	0.29
(1,1245)	1:82:A:GLN:HG3	1:79:A:LEU:HD11	17	0.29
(1,1233)	1:113:A:GLN:HG2	1:109:A:PHE:HB3	5	0.29
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	9	0.29
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	5	0.29
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	10	0.29
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	9	0.29
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	5	0.29
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	17	0.29
(1,1119)	1:193:A:ASN:HB2	1:193:A:ASN:HD22	2	0.29
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB2	7	0.29
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	17	0.29
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	18	0.29
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	14	0.29
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	17	0.29
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	20	0.29
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	19	0.29
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	1	0.29
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	12	0.29
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	16	0.29
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	10	0.29
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	1	0.29
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	9	0.29
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	10	0.29
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	14	0.29
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	7	0.29
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB3	16	0.29
(1,661)	1:73:A:THR:HB	1:105:A:ALA:HB1	5	0.29
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	13	0.29
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	17	0.29
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	18	0.29
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	10	0.29
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	17	0.29
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	2	0.29
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	7	0.29
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	13	0.29
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	15	0.29
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	9	0.29
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	10	0.29
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	18	0.29
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	18	0.29
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	10	0.29
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	1	0.29
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	10	0.29
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	19	0.29
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	18	0.29
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	2	0.29
(1,554)	1:239:A:LEU:HD11	1:198:A:TRP:HH2	13	0.29
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	2	0.29
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	11	0.29
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	8	0.29
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	10	0.29
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	20	0.29
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE2	4	0.29
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE2	9	0.29
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE2	12	0.29
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE2	15	0.29
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	6	0.29
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	7	0.29
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	18	0.29
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	11	0.29
(1,440)	1:184:A:ASN:HB2	1:181:A:GLU:HB3	3	0.29
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	6	0.29
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	13	0.29
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	2	0.29
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	8	0.29
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	3	0.29
(1,375)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	14	0.29
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	20	0.29
(1,342)	1:146:A:ILE:HD13	1:187:A:VAL:H	15	0.29
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	9	0.29
(1,324)	1:243:A:LYS:HG3	1:243:A:LYS:HB3	13	0.29
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	7	0.29
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	1	0.29
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	7	0.29
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	12	0.29
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	6	0.29
(1,264)	1:233:A:LYS:HE3	1:234:A:MET:H	10	0.29
(1,254)	1:22:A:GLY:HA2	1:23:A:THR:HG21	5	0.29
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	2	0.29
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	5	0.29
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	11	0.29
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	15	0.29
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	16	0.29
(1,225)	1:113:A:GLN:HA	1:113:A:GLN:HB2	19	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	1	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	1	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	1	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	1	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	1	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	1	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	2	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	2	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	2	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	2	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	2	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	2	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	3	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	3	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	3	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	3	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	3	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	3	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	4	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	4	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	4	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	4	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	4	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	5	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	5	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	5	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	5	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	5	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	5	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	6	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	6	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	6	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	6	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	6	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	6	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	7	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	7	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	7	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	7	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	7	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	7	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	8	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	8	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	8	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	8	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	8	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	8	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	9	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	9	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	9	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	9	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	9	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	9	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	10	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	10	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	10	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	10	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	10	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	10	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	11	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	11	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	11	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	11	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	11	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	12	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	12	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	12	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	12	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	12	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	12	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	13	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	13	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	13	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	13	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	13	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	13	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	14	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	14	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	14	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	14	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	14	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	14	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	15	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	15	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	15	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	15	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	15	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	15	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	16	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	16	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	16	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	16	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	16	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	16	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	17	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	17	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	17	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	17	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	17	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	17	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	18	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	18	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	18	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	18	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	18	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	19	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	19	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	19	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	19	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	19	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	19	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG22	20	0.29
(1,205)	1:237:A:THR:HG21	1:237:A:THR:HG23	20	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG21	20	0.29
(1,205)	1:237:A:THR:HG22	1:237:A:THR:HG23	20	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG21	20	0.29
(1,205)	1:237:A:THR:HG23	1:237:A:THR:HG22	20	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	1	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	1	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	1	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	1	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	1	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	1	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	2	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	2	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	2	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	2	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	2	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	2	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	3	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	3	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	3	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	3	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	3	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	3	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	4	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	4	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	4	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	4	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	4	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	4	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	5	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	5	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	5	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	5	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	5	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	6	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	6	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	6	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	6	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	6	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	6	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	7	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	7	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	7	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	7	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	7	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	7	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	8	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	8	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	8	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	8	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	8	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	8	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	9	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	9	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	9	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	9	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	9	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	9	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	10	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	10	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	10	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	10	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	10	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	10	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	11	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	11	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	11	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	11	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	11	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	11	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	12	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	12	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	12	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	12	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	12	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	13	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	13	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	13	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	13	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	13	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	13	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	14	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	14	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	14	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	14	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	14	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	14	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	15	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	15	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	15	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	15	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	15	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	15	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	16	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	16	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	16	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	16	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	16	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	16	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	17	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	17	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	17	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	17	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	17	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	17	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	18	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	18	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	18	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	18	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	18	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	18	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	19	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	19	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	19	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	19	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	19	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG22	20	0.29
(1,158)	1:179:A:THR:HG21	1:179:A:THR:HG23	20	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG21	20	0.29
(1,158)	1:179:A:THR:HG22	1:179:A:THR:HG23	20	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG21	20	0.29
(1,158)	1:179:A:THR:HG23	1:179:A:THR:HG22	20	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	1	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	1	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	1	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	1	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	1	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	1	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	2	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	2	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	2	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	2	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	2	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	2	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	3	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	3	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	3	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	3	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	3	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	3	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	4	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	4	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	4	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	4	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	4	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	4	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	5	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	5	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	5	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	5	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	5	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	5	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	6	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	6	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	6	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	6	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	6	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	7	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	7	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	7	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	7	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	7	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	7	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	8	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	8	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	8	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	8	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	8	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	8	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	9	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	9	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	9	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	9	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	9	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	9	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	10	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	10	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	10	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	10	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	10	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	10	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	11	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	11	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	11	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	11	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	11	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	11	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	12	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	12	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	12	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	12	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	12	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	12	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	13	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	13	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	13	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	13	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	13	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	14	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	14	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	14	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	14	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	14	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	14	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	15	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	15	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	15	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	15	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	15	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	15	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	16	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	16	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	16	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	16	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	16	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	16	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	17	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	17	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	17	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	17	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	17	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	17	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	18	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	18	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	18	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	18	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	18	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	18	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	19	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	19	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	19	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	19	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	19	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	19	0.29
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD22	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:97:A:LEU:HD21	1:97:A:LEU:HD23	20	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD21	20	0.29
(1,44)	1:97:A:LEU:HD22	1:97:A:LEU:HD23	20	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD21	20	0.29
(1,44)	1:97:A:LEU:HD23	1:97:A:LEU:HD22	20	0.29
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	10	0.28
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	11	0.28
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD13	18	0.28
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	13	0.28
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	2	0.28
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	3	0.28
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	7	0.28
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	13	0.28
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	1	0.28
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	5	0.28
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	7	0.28
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	16	0.28
(1,5550)	1:142:A:GLY:H	1:142:A:GLY:HA3	17	0.28
(1,5539)	1:228:A:ASN:H	1:227:A:PRO:HG3	11	0.28
(1,5429)	1:90:A:ALA:H	1:89:A:ASP:HB3	6	0.28
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	15	0.28
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	1	0.28
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	2	0.28
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	8	0.28
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	9	0.28
(1,5284)	1:22:A:GLY:H	1:21:A:MET:HB3	16	0.28
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	1	0.28
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	3	0.28
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	7	0.28
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	16	0.28
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	19	0.28
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	4	0.28
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	17	0.28
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	4	0.28
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	9	0.28
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	14	0.28
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG22	12	0.28
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	16	0.28
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	6	0.28
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB3	16	0.28
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	1	0.28
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	14	0.28
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	17	0.28
(1,5002)	1:25:A:THR:H	1:25:A:THR:HG22	14	0.28
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD22	6	0.28
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	12	0.28
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB3	7	0.28
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	11	0.28
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	12	0.28
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB3	19	0.28
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD12	7	0.28
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	13	0.28
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD12	20	0.28
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	8	0.28
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	19	0.28
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG21	20	0.28
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	15	0.28
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	1	0.28
(1,4735)	1:154:A:ALA:H	1:153:A:ILE:HG23	9	0.28
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	1	0.28
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	10	0.28
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB3	7	0.28
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	12	0.28
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB3	19	0.28
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	3	0.28
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	5	0.28
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	1	0.28
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	5	0.28
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	18	0.28
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	20	0.28
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	19	0.28
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	13	0.28
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	15	0.28
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	18	0.28
(1,4387)	1:80:A:PHE:HE1	1:95:A:LYS:HA	15	0.28
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	5	0.28
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	12	0.28
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	13	0.28
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	9	0.28
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	12	0.28
(1,4329)	1:127:A:ASN:HB2	1:126:A:GLN:HB3	17	0.28
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	5	0.28
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	10	0.28
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	18	0.28
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	2	0.28
(1,4279)	1:102:A:ILE:HG22	1:103:A:LYS:HE3	11	0.28
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	4	0.28
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD21	10	0.28
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	10	0.28
(1,4181)	1:62:A:LEU:HD12	1:62:A:LEU:HB3	14	0.28
(1,4181)	1:62:A:LEU:HD11	1:62:A:LEU:HB3	17	0.28
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	9	0.28
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	17	0.28
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	20	0.28
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	10	0.28
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	15	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	2	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	6	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	7	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	11	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	14	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	15	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	16	0.28
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	17	0.28
(1,4043)	1:25:A:THR:HG22	1:24:A:HIS:HA	20	0.28
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	11	0.28
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	19	0.28
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	15	0.28
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	17	0.28
(1,3988)	1:36:A:THR:HG21	1:36:A:THR:HB	18	0.28
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG23	6	0.28
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	12	0.28
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG22	17	0.28
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	9	0.28
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	10	0.28
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	13	0.28
(1,3899)	1:154:A:ALA:HB1	1:129:A:GLN:HB3	4	0.28
(1,3899)	1:154:A:ALA:HB1	1:129:A:GLN:HB3	14	0.28
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	7	0.28
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	19	0.28
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	4	0.28
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	15	0.28
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	17	0.28
(1,3812)	1:122:A:ALA:HB3	1:120:A:THR:HG22	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG23	15	0.28
(1,3812)	1:122:A:ALA:HB2	1:120:A:THR:HG21	16	0.28
(1,3762)	1:57:A:ILE:HG22	1:83:A:LEU:HA	8	0.28
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	16	0.28
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB2	2	0.28
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	19	0.28
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	5	0.28
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	9	0.28
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG21	17	0.28
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	11	0.28
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD11	3	0.28
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	7	0.28
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	9	0.28
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD11	20	0.28
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	18	0.28
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD11	1	0.28
(1,3647)	1:62:A:LEU:HD12	1:66:A:ALA:H	16	0.28
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG23	10	0.28
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG21	16	0.28
(1,3616)	1:116:A:LEU:HD11	1:113:A:GLN:HE22	9	0.28
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	8	0.28
(1,3579)	1:104:A:LEU:HD12	1:136:A:LYS:H	20	0.28
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	5	0.28
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	12	0.28
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	10	0.28
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	11	0.28
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	18	0.28
(1,3551)	1:62:A:LEU:HD22	1:62:A:LEU:H	7	0.28
(1,3551)	1:62:A:LEU:HD22	1:62:A:LEU:H	12	0.28
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	3	0.28
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	16	0.28
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	20	0.28
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	7	0.28
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	14	0.28
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	8	0.28
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD12	18	0.28
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD13	17	0.28
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	19	0.28
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	8	0.28
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	6	0.28
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	8	0.28
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	18	0.28
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	2	0.28
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	5	0.28
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	8	0.28
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	20	0.28
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	15	0.28
(1,3335)	1:240:A:VAL:HG23	1:235:A:LEU:HB2	4	0.28
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	10	0.28
(1,3335)	1:240:A:VAL:HG22	1:235:A:LEU:HB2	12	0.28
(1,3335)	1:240:A:VAL:HG23	1:235:A:LEU:HB2	14	0.28
(1,3335)	1:240:A:VAL:HG23	1:235:A:LEU:HB2	19	0.28
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG22	16	0.28
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	19	0.28
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	5	0.28
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	4	0.28
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	5	0.28
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	12	0.28
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	15	0.28
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	20	0.28
(1,3268)	1:191:A:ASP:HA	1:191:A:ASP:HB2	19	0.28
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	12	0.28
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	19	0.28
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	7	0.28
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	3	0.28
(1,3211)	1:183:A:ALA:HB3	1:175:A:LEU:HA	20	0.28
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	11	0.28
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	3	0.28
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	9	0.28
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	12	0.28
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	13	0.28
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG23	14	0.28
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	20	0.28
(1,3110)	1:140:A:SER:HB3	1:137:A:ILE:HG22	15	0.28
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE2	11	0.28
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE2	20	0.28
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	19	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	2	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD11	4	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD11	5	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	6	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	8	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	11	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	12	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	13	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	14	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	17	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD11	18	0.28
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	19	0.28
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	16	0.28
(1,2906)	1:199:A:LEU:HD23	1:198:A:TRP:HA	4	0.28
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	10	0.28
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	12	0.28
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	17	0.28
(1,2906)	1:199:A:LEU:HD22	1:198:A:TRP:HA	20	0.28
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	4	0.28
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	7	0.28
(1,2904)	1:199:A:LEU:HD23	1:175:A:LEU:HA	18	0.28
(1,2904)	1:199:A:LEU:HD21	1:175:A:LEU:HA	19	0.28
(1,2881)	1:65:A:ARG:HD2	1:44:A:TYR:HE2	2	0.28
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	2	0.28
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	4	0.28
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	6	0.28
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	8	0.28
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	17	0.28
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	2	0.28
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD22	19	0.28
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	15	0.28
(1,2817)	1:134:A:GLN:HG3	1:137:A:ILE:HD12	16	0.28
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD12	15	0.28
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	19	0.28
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD13	6	0.28
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	19	0.28
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	8	0.28
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	11	0.28
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	14	0.28
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	16	0.28
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	4	0.28
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	8	0.28
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	10	0.28
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	14	0.28
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	16	0.28
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD11	15	0.28
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB1	4	0.28
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	9	0.28
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	17	0.28
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	3	0.28
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	19	0.28
(1,2654)	1:171:A:THR:HG22	1:174:A:ALA:H	2	0.28
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	5	0.28
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	16	0.28
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	18	0.28
(1,2654)	1:171:A:THR:HG21	1:174:A:ALA:H	19	0.28
(1,2653)	1:171:A:THR:HG23	1:175:A:LEU:H	3	0.28
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	5	0.28
(1,2653)	1:171:A:THR:HG22	1:175:A:LEU:H	12	0.28
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	6	0.28
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD11	8	0.28
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD12	20	0.28
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	1	0.28
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	14	0.28
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	17	0.28
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	7	0.28
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	1	0.28
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	5	0.28
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	7	0.28
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD11	18	0.28
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD11	19	0.28
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	5	0.28
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	14	0.28
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	12	0.28
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	14	0.28
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	16	0.28
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	20	0.28
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	4	0.28
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	19	0.28
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	15	0.28
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	4	0.28
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	6	0.28
(1,2447)	1:175:A:LEU:HD23	1:198:A:TRP:HA	11	0.28
(1,2447)	1:175:A:LEU:HD23	1:198:A:TRP:HA	14	0.28
(1,2447)	1:175:A:LEU:HD22	1:198:A:TRP:HA	17	0.28
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	2	0.28
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	2	0.28
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	12	0.28
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	13	0.28
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	18	0.28
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD11	18	0.28
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	11	0.28
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD22	17	0.28
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG21	20	0.28
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	10	0.28
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	11	0.28
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	12	0.28
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	12	0.28
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	2	0.28
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	4	0.28
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	9	0.28
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	16	0.28
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG23	17	0.28
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	14	0.28
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	3	0.28
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	11	0.28
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	9	0.28
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	16	0.28
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD11	20	0.28
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	14	0.28
(1,2344)	1:199:A:LEU:HD22	1:198:A:TRP:HD1	20	0.28
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	6	0.28
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	9	0.28
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD13	2	0.28
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD12	11	0.28
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD12	12	0.28
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	13	0.28
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	20	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	5	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	7	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	9	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	10	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	14	0.28
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	20	0.28
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE1	9	0.28
(1,2032)	1:46:A:GLN:HG2	1:46:A:GLN:HE21	1	0.28
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	2	0.28
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	3	0.28
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	9	0.28
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	10	0.28
(1,1993)	1:102:A:ILE:HD11	1:80:A:PHE:HE1	15	0.28
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	3	0.28
(1,1966)	1:62:A:LEU:HD12	1:44:A:TYR:HE2	6	0.28
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	1	0.28
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD12	13	0.28
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	4	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	7	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG21	8	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	10	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	11	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	12	0.28
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG21	15	0.28
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD12	11	0.28
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	19	0.28
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG21	14	0.28
(1,1794)	1:57:A:ILE:HD11	1:54:A:ASP:HA	14	0.28
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG21	17	0.28
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	12	0.28
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	20	0.28
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	6	0.28
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	12	0.28
(1,1755)	1:64:A:ILE:HD12	1:83:A:LEU:H	5	0.28
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	8	0.28
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	20	0.28
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	8	0.28
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	15	0.28
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	20	0.28
(1,1737)	1:33:A:MET:HE3	1:30:A:THR:HA	10	0.28
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	1	0.28
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	2	0.28
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	7	0.28
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	9	0.28
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	17	0.28
(1,1713)	1:57:A:ILE:HG23	1:55:A:THR:HA	8	0.28
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	6	0.28
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	8	0.28
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	18	0.28
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	3	0.28
(1,1603)	1:30:A:THR:HG21	1:34:A:GLN:HE21	16	0.28
(1,1602)	1:30:A:THR:HG22	1:34:A:GLN:HE22	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	9	0.28
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	5	0.28
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	3	0.28
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	7	0.28
(1,1526)	1:243:A:LYS:HG3	1:243:A:LYS:HE3	1	0.28
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	3	0.28
(1,1497)	1:152:A:LEU:HD22	1:152:A:LEU:HA	13	0.28
(1,1496)	1:152:A:LEU:HD21	1:167:A:ASN:HA	13	0.28
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	16	0.28
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	4	0.28
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	17	0.28
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	20	0.28
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	11	0.28
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	20	0.28
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	16	0.28
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	1	0.28
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	3	0.28
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	8	0.28
(1,1286)	1:21:A:MET:HG3	1:21:A:MET:HB3	15	0.28
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD22	17	0.28
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	6	0.28
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	10	0.28
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	5	0.28
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	18	0.28
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	8	0.28
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	9	0.28
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	4	0.28
(1,1087)	1:147:A:ASP:HB3	1:151:A:ALA:HB1	18	0.28
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	1	0.28
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	9	0.28
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	1	0.28
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	15	0.28
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	5	0.28
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	6	0.28
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	4	0.28
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	10	0.28
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	1	0.28
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	6	0.28
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	14	0.28
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	15	0.28
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	19	0.28
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,898)	1:99:A:ALA:HA	1:102:A:ILE:HG23	4	0.28
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG23	4	0.28
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	11	0.28
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	4	0.28
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	17	0.28
(1,820)	1:182:A:GLN:HA	1:182:A:GLN:HB3	9	0.28
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	7	0.28
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	12	0.28
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	16	0.28
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	14	0.28
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	14	0.28
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	1	0.28
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	2	0.28
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	20	0.28
(1,611)	1:249:A:SER:H	1:249:A:SER:HB2	1	0.28
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	6	0.28
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	15	0.28
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	18	0.28
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	19	0.28
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	11	0.28
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	18	0.28
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	20	0.28
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	13	0.28
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	5	0.28
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	7	0.28
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	18	0.28
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	20	0.28
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	12	0.28
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	4	0.28
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	7	0.28
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	10	0.28
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	16	0.28
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	20	0.28
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	6	0.28
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG23	17	0.28
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	20	0.28
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	1	0.28
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	11	0.28
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	6	0.28
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	8	0.28
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	6	0.28
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	10	0.28
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	15	0.28
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	19	0.28
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	6	0.28
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	12	0.28
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	16	0.28
(1,496)	1:219:A:ILE:HG22	1:243:A:LYS:HE2	7	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	1	0.28
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	2	0.28
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	3	0.28
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	4	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	5	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	11	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	13	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	15	0.28
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	16	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	17	0.28
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	19	0.28
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	15	0.28
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	4	0.28
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	11	0.28
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	17	0.28
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	6	0.28
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	12	0.28
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	5	0.28
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	17	0.28
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	10	0.28
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	1	0.28
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	2	0.28
(1,324)	1:243:A:LYS:HG3	1:243:A:LYS:HB3	5	0.28
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	10	0.28
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	15	0.28
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	16	0.28
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	3	0.28
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	17	0.28
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	20	0.28
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	12	0.28
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	20	0.28
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	7	0.28
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	4	0.28
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	11	0.28
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	13	0.27
(1,5793)	1:150:A:ARG:H	1:150:A:ARG:HD2	8	0.27
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	4	0.27
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD21	9	0.27
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD21	17	0.27
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	2	0.27
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	6	0.27
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	7	0.27
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	19	0.27
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	5	0.27
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	10	0.27
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG23	13	0.27
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	15	0.27
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	16	0.27
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	12	0.27
(1,5559)	1:226:A:TYR:H	1:225:A:ARG:HB3	10	0.27
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	6	0.27
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	10	0.27
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	20	0.27
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	11	0.27
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	13	0.27
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	17	0.27
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	20	0.27
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	8	0.27
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	12	0.27
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	1	0.27
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	7	0.27
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	12	0.27
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	13	0.27
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	11	0.27
(1,5108)	1:57:A:ILE:H	1:57:A:ILE:HD11	6	0.27
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG11	12	0.27
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	10	0.27
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	7	0.27
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	8	0.27
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	18	0.27
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	6	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	1	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB3	6	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	8	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	9	0.27
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	16	0.27
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD11	2	0.27
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD12	6	0.27
(1,4929)	1:240:A:VAL:H	1:219:A:ILE:HD13	19	0.27
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	3	0.27
(1,4865)	1:93:A:ARG:H	1:119:A:ILE:HG21	1	0.27
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	17	0.27
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	20	0.27
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	1	0.27
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	4	0.27
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	17	0.27
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	9	0.27
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	13	0.27
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	20	0.27
(1,4735)	1:154:A:ALA:H	1:153:A:ILE:HG21	14	0.27
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB2	11	0.27
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	20	0.27
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	17	0.27
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	13	0.27
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	16	0.27
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	7	0.27
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	16	0.27
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	6	0.27
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	14	0.27
(1,4387)	1:80:A:PHE:HE1	1:95:A:LYS:HA	2	0.27
(1,4387)	1:80:A:PHE:HE1	1:95:A:LYS:HA	7	0.27
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	3	0.27
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	9	0.27
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	17	0.27
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	7	0.27
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	12	0.27
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	13	0.27
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	17	0.27
(1,4316)	1:84:A:PRO:HD2	1:60:A:GLN:HE21	18	0.27
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	9	0.27
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	12	0.27
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	17	0.27
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	2	0.27
(1,4250)	1:239:A:LEU:HD23	1:172:A:TRP:HD1	10	0.27
(1,4250)	1:239:A:LEU:HD23	1:172:A:TRP:HD1	13	0.27
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	19	0.27
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	8	0.27
(1,4181)	1:62:A:LEU:HD12	1:62:A:LEU:HB3	15	0.27
(1,4173)	1:159:A:LEU:HD11	1:161:A:ALA:H	8	0.27
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	1	0.27
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	3	0.27
(1,4139)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	16	0.27
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	15	0.27
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	16	0.27
(1,4091)	1:67:A:LEU:HD21	1:67:A:LEU:HD13	6	0.27
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	3	0.27
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	12	0.27
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	19	0.27
(1,3988)	1:36:A:THR:HG22	1:36:A:THR:HB	11	0.27
(1,3983)	1:99:A:ALA:H	1:100:A:VAL:HG21	5	0.27
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	10	0.27
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	5	0.27
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	8	0.27
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD12	13	0.27
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	1	0.27
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG23	8	0.27
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD21	18	0.27
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	4	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	2	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	9	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	11	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	12	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	13	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	16	0.27
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	19	0.27
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	3	0.27
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	10	0.27
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB3	11	0.27
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	14	0.27
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	5	0.27
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	12	0.27
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	13	0.27
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	16	0.27
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	20	0.27
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	10	0.27
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB1	19	0.27
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	16	0.27
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	13	0.27
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB1	9	0.27
(1,3698)	1:244:A:ALA:HB2	1:241:A:ASN:H	10	0.27
(1,3698)	1:244:A:ALA:HB1	1:241:A:ASN:H	18	0.27
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	12	0.27
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	14	0.27
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	1	0.27
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	6	0.27
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	19	0.27
(1,3647)	1:62:A:LEU:HD13	1:66:A:ALA:H	1	0.27
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG23	2	0.27
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG22	8	0.27
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG22	20	0.27
(1,3630)	1:152:A:LEU:HD13	1:149:A:LEU:HA	18	0.27
(1,3622)	1:104:A:LEU:HD22	1:104:A:LEU:HD11	19	0.27
(1,3616)	1:116:A:LEU:HD12	1:113:A:GLN:HE22	6	0.27
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	1	0.27
(1,3606)	1:118:A:LYS:HG2	1:96:A:THR:HG22	17	0.27
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	1	0.27
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	15	0.27
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	18	0.27
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	3	0.27
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	20	0.27
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	5	0.27
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	14	0.27
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG21	18	0.27
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	7	0.27
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	11	0.27
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	12	0.27
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	1	0.27
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	4	0.27
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	6	0.27
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	7	0.27
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	6	0.27
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	15	0.27
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD13	18	0.27
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB2	5	0.27
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	4	0.27
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD12	2	0.27
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	4	0.27
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	14	0.27
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	2	0.27
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	20	0.27
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	5	0.27
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD22	20	0.27
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	17	0.27
(1,3335)	1:240:A:VAL:HG22	1:235:A:LEU:HB2	2	0.27
(1,3335)	1:240:A:VAL:HG23	1:235:A:LEU:HB2	11	0.27
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	16	0.27
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	18	0.27
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	3	0.27
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	12	0.27
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB2	16	0.27
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	12	0.27
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	3	0.27
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	9	0.27
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	18	0.27
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	19	0.27
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	14	0.27
(1,3218)	1:233:A:LYS:HE2	1:233:A:LYS:HA	17	0.27
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	2	0.27
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	3	0.27
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	8	0.27
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	18	0.27
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	5	0.27
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG11	13	0.27
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG13	15	0.27
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG13	20	0.27
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	6	0.27
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	20	0.27
(1,3093)	1:204:A:VAL:HG23	1:204:A:VAL:HA	9	0.27
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	14	0.27
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	16	0.27
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	8	0.27
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	14	0.27
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	15	0.27
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE3	19	0.27
(1,3055)	1:154:A:ALA:HB3	1:133:A:TRP:HD1	3	0.27
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	12	0.27
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	15	0.27
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	20	0.27
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	1	0.27
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD12	20	0.27
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	19	0.27
(1,2904)	1:199:A:LEU:HD22	1:175:A:LEU:HA	3	0.27
(1,2881)	1:65:A:ARG:HD2	1:44:A:TYR:HE2	11	0.27
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	5	0.27
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	7	0.27
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	13	0.27
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	15	0.27
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD22	16	0.27
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	6	0.27
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD11	10	0.27
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD12	11	0.27
(1,2774)	1:171:A:THR:H	1:152:A:LEU:HD13	18	0.27
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD11	2	0.27
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	5	0.27
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB3	17	0.27
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	1	0.27
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	9	0.27
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD12	13	0.27
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	18	0.27
(1,2704)	1:194:A:ILE:HD12	1:230:A:PRO:HG3	2	0.27
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	3	0.27
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD12	4	0.27
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	6	0.27
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	7	0.27
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	12	0.27
(1,2678)	1:106:A:GLN:H	1:102:A:ILE:HG21	18	0.27
(1,2677)	1:102:A:ILE:HG23	1:106:A:GLN:HE22	9	0.27
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	13	0.27
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	15	0.27
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	18	0.27
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	19	0.27
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD12	4	0.27
(1,2662)	1:183:A:ALA:HB2	1:175:A:LEU:HD12	6	0.27
(1,2662)	1:183:A:ALA:HB3	1:175:A:LEU:HD13	17	0.27
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	16	0.27
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	7	0.27
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	18	0.27
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB2	19	0.27
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG22	10	0.27
(1,2654)	1:171:A:THR:HG23	1:174:A:ALA:H	1	0.27
(1,2654)	1:171:A:THR:HG22	1:174:A:ALA:H	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2654)	1:171:A:THR:HG22	1:174:A:ALA:H	17	0.27
(1,2653)	1:171:A:THR:HG21	1:175:A:LEU:H	18	0.27
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	1	0.27
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	2	0.27
(1,2615)	1:105:A:ALA:H	1:73:A:THR:HG23	4	0.27
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	1	0.27
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	3	0.27
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	11	0.27
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	4	0.27
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	20	0.27
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	20	0.27
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	1	0.27
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	2	0.27
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	17	0.27
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	4	0.27
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	7	0.27
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	11	0.27
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	17	0.27
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB1	4	0.27
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	9	0.27
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	1	0.27
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	4	0.27
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	13	0.27
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	6	0.27
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	9	0.27
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	19	0.27
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	13	0.27
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	17	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	1	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	3	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	4	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	8	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	15	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	16	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	17	0.27
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG22	19	0.27
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	15	0.27
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	2	0.27
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	13	0.27
(1,2395)	1:159:A:LEU:HD11	1:163:A:GLU:HG2	13	0.27
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	19	0.27
(1,2375)	1:151:A:ALA:HB3	1:148:A:LEU:HA	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	8	0.27
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	10	0.27
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	2	0.27
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG23	15	0.27
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	20	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG11	1	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	7	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	9	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	12	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	13	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	15	0.27
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG11	18	0.27
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	5	0.27
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD13	15	0.27
(1,2339)	1:239:A:LEU:HD13	1:240:A:VAL:HB	7	0.27
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	5	0.27
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	16	0.27
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	1	0.27
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	20	0.27
(1,2201)	1:137:A:ILE:HG21	1:140:A:SER:HB2	13	0.27
(1,2189)	1:48:A:MET:HE1	1:79:A:LEU:HD12	5	0.27
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD12	9	0.27
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD12	10	0.27
(1,2189)	1:48:A:MET:HE1	1:79:A:LEU:HD11	14	0.27
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD12	19	0.27
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	12	0.27
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD11	15	0.27
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	19	0.27
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	11	0.27
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	12	0.27
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	15	0.27
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	17	0.27
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	19	0.27
(1,2032)	1:46:A:GLN:HG2	1:46:A:GLN:HE21	9	0.27
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	17	0.27
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	18	0.27
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	20	0.27
(1,1958)	1:158:A:LEU:HD23	1:158:A:LEU:HB3	17	0.27
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	7	0.27
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	16	0.27
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	6	0.27
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	8	0.27
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	11	0.27
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	2	0.27
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	3	0.27
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	12	0.27
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	17	0.27
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	4	0.27
(1,1802)	1:57:A:ILE:HD12	1:54:A:ASP:HB3	5	0.27
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	9	0.27
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	19	0.27
(1,1794)	1:57:A:ILE:HD13	1:54:A:ASP:HA	19	0.27
(1,1793)	1:168:A:ILE:HD12	1:230:A:PRO:HA	13	0.27
(1,1792)	1:102:A:ILE:HD12	1:102:A:ILE:HG21	20	0.27
(1,1788)	1:102:A:ILE:HD13	1:80:A:PHE:HB3	5	0.27
(1,1788)	1:102:A:ILE:HD11	1:80:A:PHE:HB3	17	0.27
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	6	0.27
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD12	14	0.27
(1,1781)	1:137:A:ILE:HD13	1:136:A:LYS:HB3	4	0.27
(1,1781)	1:137:A:ILE:HD13	1:136:A:LYS:HB3	7	0.27
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	11	0.27
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	12	0.27
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	17	0.27
(1,1776)	1:119:A:ILE:HD11	1:97:A:LEU:HB2	11	0.27
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	13	0.27
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	15	0.27
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	17	0.27
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	3	0.27
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	9	0.27
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	13	0.27
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	1	0.27
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	7	0.27
(1,1750)	1:154:A:ALA:HB3	1:133:A:TRP:HH2	10	0.27
(1,1750)	1:154:A:ALA:HB1	1:133:A:TRP:HH2	14	0.27
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	12	0.27
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	8	0.27
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	11	0.27
(1,1726)	1:174:A:ALA:HB1	1:178:A:MET:H	12	0.27
(1,1726)	1:174:A:ALA:HB3	1:178:A:MET:H	20	0.27
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	9	0.27
(1,1713)	1:57:A:ILE:HG22	1:55:A:THR:HA	11	0.27
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	18	0.27
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB2	9	0.27
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB3	15	0.27
(1,1658)	1:66:A:ALA:HB3	1:40:A:ASP:HA	6	0.27
(1,1652)	1:232:A:ALA:HB2	1:222:A:TRP:HZ2	9	0.27
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	12	0.27
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	14	0.27
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	18	0.27
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	19	0.27
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG21	6	0.27
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	4	0.27
(1,1610)	1:159:A:LEU:HD13	1:160:A:GLY:HA3	18	0.27
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	2	0.27
(1,1603)	1:30:A:THR:HG22	1:34:A:GLN:HE21	7	0.27
(1,1602)	1:30:A:THR:HG23	1:34:A:GLN:HE22	11	0.27
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	16	0.27
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	8	0.27
(1,1561)	1:97:A:LEU:HD22	1:132:A:TYR:HA	3	0.27
(1,1561)	1:97:A:LEU:HD22	1:132:A:TYR:HA	10	0.27
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	2	0.27
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	17	0.27
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	6	0.27
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	9	0.27
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	4	0.27
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	6	0.27
(1,1497)	1:152:A:LEU:HD22	1:152:A:LEU:HA	19	0.27
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	4	0.27
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	12	0.27
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	17	0.27
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	9	0.27
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	12	0.27
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD11	17	0.27
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	3	0.27
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	12	0.27
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD13	9	0.27
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	15	0.27
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD21	17	0.27
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	5	0.27
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	9	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	4	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	5	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	11	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	12	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	13	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	17	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	19	0.27
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	20	0.27
(1,1226)	1:141:A:GLN:HG3	1:109:A:PHE:HD1	8	0.27
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	5	0.27
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	12	0.27
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	18	0.27
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	3	0.27
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	1	0.27
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG11	6	0.27
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG11	8	0.27
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	9	0.27
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG11	16	0.27
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB3	19	0.27
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	3	0.27
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	7	0.27
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	13	0.27
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	15	0.27
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	15	0.27
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	6	0.27
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	8	0.27
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	4	0.27
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	14	0.27
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD22	5	0.27
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	5	0.27
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	2	0.27
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	7	0.27
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	8	0.27
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	14	0.27
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	15	0.27
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	19	0.27
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD11	13	0.27
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	8	0.27
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	19	0.27
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	20	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	2	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	3	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB1	4	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	7	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	8	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB1	11	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB1	13	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	17	0.27
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	18	0.27
(1,870)	1:107:A:LYS:HA	1:104:A:LEU:HD23	4	0.27
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	15	0.27
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	20	0.27
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	3	0.27
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	14	0.27
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	16	0.27
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD13	20	0.27
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	4	0.27
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	6	0.27
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	17	0.27
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	19	0.27
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	3	0.27
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	8	0.27
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	19	0.27
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	10	0.27
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	8	0.27
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	9	0.27
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	4	0.27
(1,606)	1:210:A:ASN:H	1:209:A:ARG:HB2	19	0.27
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	1	0.27
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	4	0.27
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	5	0.27
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	10	0.27
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	11	0.27
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	16	0.27
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB2	12	0.27
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	18	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	1	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD13	2	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	4	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	8	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD13	10	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	11	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	13	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	15	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	17	0.27
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	19	0.27
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	17	0.27
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	20	0.27
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	6	0.27
(1,554)	1:239:A:LEU:HD12	1:198:A:TRP:HH2	4	0.27
(1,554)	1:239:A:LEU:HD13	1:198:A:TRP:HH2	5	0.27
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	7	0.27
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	8	0.27
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	20	0.27
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	13	0.27
(1,521)	1:175:A:LEU:HD23	1:202:A:GLN:HB3	3	0.27
(1,521)	1:175:A:LEU:HD23	1:202:A:GLN:HB3	11	0.27
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	19	0.27
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	16	0.27
(1,509)	1:203:A:ARG:HD2	1:202:A:GLN:HB2	16	0.27
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	5	0.27
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE3	2	0.27
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	9	0.27
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	10	0.27
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	12	0.27
(1,479)	1:107:A:LYS:HE2	1:107:A:LYS:HD2	20	0.27
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	19	0.27
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	20	0.27
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	3	0.27
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	8	0.27
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	18	0.27
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	19	0.27
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	7	0.27
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	11	0.27
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	12	0.27
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	13	0.27
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	8	0.27
(1,375)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	9	0.27
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	15	0.27
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	12	0.27
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	17	0.27
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	7	0.27
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB2	16	0.27
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	7	0.27
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	15	0.27
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	17	0.27
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	13	0.27
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	11	0.27
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	18	0.27
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	2	0.27
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	18	0.27
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG23	6	0.27
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	3	0.27
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	17	0.27
(1,5836)	1:205:A:TRP:HE1	1:209:A:ARG:HD3	18	0.26
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	8	0.26
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	8	0.26
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	5	0.26
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	12	0.26
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	13	0.26
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	11	0.26
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	12	0.26
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG22	18	0.26
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD12	6	0.26
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	8	0.26
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	9	0.26
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	16	0.26
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	17	0.26
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	17	0.26
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	14	0.26
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	18	0.26
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	2	0.26
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	4	0.26
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	20	0.26
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	16	0.26
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	10	0.26
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	4	0.26
(1,5260)	1:140:A:SER:H	1:142:A:GLY:H	8	0.26
(1,5177)	1:155:A:GLN:H	1:155:A:GLN:HB2	20	0.26
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	9	0.26
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	10	0.26
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	11	0.26
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	20	0.26
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	10	0.26
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	15	0.26
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	19	0.26
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG11	6	0.26
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG12	16	0.26
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5000)	1:104:A:LEU:H	1:104:A:LEU:HD21	17	0.26
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	12	0.26
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	2	0.26
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB3	4	0.26
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	10	0.26
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB2	13	0.26
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	15	0.26
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	18	0.26
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	5	0.26
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	9	0.26
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	11	0.26
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD11	3	0.26
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	4	0.26
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	16	0.26
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	16	0.26
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	11	0.26
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB2	7	0.26
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB2	17	0.26
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	19	0.26
(1,4617)	1:138:A:ASP:H	1:104:A:LEU:HD13	1	0.26
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	7	0.26
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	11	0.26
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	5	0.26
(1,4495)	1:130:A:ALA:HB3	1:133:A:TRP:HD1	9	0.26
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	14	0.26
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	8	0.26
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	11	0.26
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	10	0.26
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD21	14	0.26
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	1	0.26
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	4	0.26
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	8	0.26
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	14	0.26
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	18	0.26
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	6	0.26
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	16	0.26
(1,4279)	1:102:A:ILE:HG22	1:103:A:LYS:HE3	1	0.26
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	5	0.26
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	6	0.26
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	3	0.26
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	17	0.26
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	17	0.26
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD21	4	0.26
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD22	15	0.26
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	5	0.26
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	7	0.26
(1,4181)	1:62:A:LEU:HD11	1:62:A:LEU:HB3	3	0.26
(1,4181)	1:62:A:LEU:HD11	1:62:A:LEU:HB3	7	0.26
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	12	0.26
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	13	0.26
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	18	0.26
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	19	0.26
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	20	0.26
(1,4139)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	3	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	1	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	4	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	5	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	10	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	12	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	13	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	17	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	18	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	19	0.26
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	20	0.26
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	18	0.26
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	20	0.26
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	18	0.26
(1,4035)	1:99:A:ALA:HB3	1:96:A:THR:HG21	2	0.26
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	5	0.26
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	14	0.26
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	5	0.26
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	7	0.26
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	18	0.26
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	7	0.26
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	8	0.26
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	9	0.26
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	7	0.26
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	11	0.26
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	13	0.26
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	16	0.26
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD22	5	0.26
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD22	10	0.26
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD23	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD22	15	0.26
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	1	0.26
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	6	0.26
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	10	0.26
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	18	0.26
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	20	0.26
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	8	0.26
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB3	5	0.26
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	19	0.26
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	3	0.26
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD13	4	0.26
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	12	0.26
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	20	0.26
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB2	16	0.26
(1,3716)	1:48:A:MET:HE3	1:49:A:GLN:H	1	0.26
(1,3716)	1:48:A:MET:HE3	1:49:A:GLN:H	3	0.26
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	15	0.26
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	16	0.26
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	5	0.26
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	1	0.26
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	2	0.26
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	4	0.26
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	10	0.26
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	11	0.26
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	4	0.26
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	12	0.26
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	13	0.26
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	17	0.26
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	19	0.26
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	10	0.26
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	14	0.26
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG21	15	0.26
(1,3688)	1:242:A:VAL:HG13	1:241:A:ASN:H	19	0.26
(1,3688)	1:242:A:VAL:HG12	1:241:A:ASN:H	20	0.26
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	11	0.26
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD13	17	0.26
(1,3649)	1:62:A:LEU:HD11	1:62:A:LEU:H	3	0.26
(1,3649)	1:62:A:LEU:HD13	1:62:A:LEU:H	5	0.26
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	11	0.26
(1,3647)	1:62:A:LEU:HD12	1:66:A:ALA:H	3	0.26
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	20	0.26
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG21	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG22	5	0.26
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG23	9	0.26
(1,3622)	1:104:A:LEU:HD23	1:104:A:LEU:HD11	17	0.26
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	3	0.26
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	12	0.26
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG22	2	0.26
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	2	0.26
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	5	0.26
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	12	0.26
(1,3579)	1:104:A:LEU:HD11	1:136:A:LYS:H	17	0.26
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	8	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD21	4	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD21	6	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	8	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	9	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	12	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	13	0.26
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD21	20	0.26
(1,3551)	1:62:A:LEU:HD21	1:62:A:LEU:H	3	0.26
(1,3551)	1:62:A:LEU:HD22	1:62:A:LEU:H	17	0.26
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	4	0.26
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	9	0.26
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	15	0.26
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	3	0.26
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	10	0.26
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	11	0.26
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	12	0.26
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	15	0.26
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	2	0.26
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD13	20	0.26
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	8	0.26
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	7	0.26
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	10	0.26
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD13	15	0.26
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	7	0.26
(1,3396)	1:163:A:GLU:HG3	1:162:A:LYS:HE2	16	0.26
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	20	0.26
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	4	0.26
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	14	0.26
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD21	12	0.26
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB2	3	0.26
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	12	0.26
(1,3335)	1:240:A:VAL:HG22	1:235:A:LEU:HB2	1	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	3	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	5	0.26
(1,3335)	1:240:A:VAL:HG22	1:235:A:LEU:HB2	6	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	7	0.26
(1,3335)	1:240:A:VAL:HG23	1:235:A:LEU:HB2	8	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	9	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	15	0.26
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	17	0.26
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	9	0.26
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	9	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	1	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	2	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	6	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	11	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	16	0.26
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	17	0.26
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	15	0.26
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	10	0.26
(1,3214)	1:28:A:GLN:HB2	1:28:A:GLN:HA	1	0.26
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	9	0.26
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	11	0.26
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	15	0.26
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	4	0.26
(1,3211)	1:183:A:ALA:HB2	1:175:A:LEU:HA	7	0.26
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG12	1	0.26
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG12	4	0.26
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	3	0.26
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	7	0.26
(1,3119)	1:26:A:PRO:HA	1:30:A:THR:HG22	17	0.26
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	19	0.26
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	4	0.26
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	15	0.26
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	4	0.26
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG21	8	0.26
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG21	11	0.26
(1,3027)	1:232:A:ALA:HB2	1:228:A:ASN:H	8	0.26
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	17	0.26
(1,2959)	1:186:A:LEU:HG	1:186:A:LEU:HD13	3	0.26
(1,2952)	1:57:A:ILE:HD11	1:84:A:PRO:HG2	1	0.26
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	2	0.26
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	11	0.26
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	9	0.26
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	19	0.26
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	4	0.26
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	5	0.26
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD11	14	0.26
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	18	0.26
(1,2726)	1:42:A:ALA:H	1:45:A:LEU:HD13	16	0.26
(1,2704)	1:194:A:ILE:HD12	1:230:A:PRO:HG3	1	0.26
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	4	0.26
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	6	0.26
(1,2704)	1:194:A:ILE:HD12	1:230:A:PRO:HG3	12	0.26
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	18	0.26
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	17	0.26
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	6	0.26
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	7	0.26
(1,2677)	1:102:A:ILE:HG23	1:106:A:GLN:HE22	12	0.26
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	18	0.26
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	5	0.26
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	11	0.26
(1,2659)	1:183:A:ALA:HB2	1:184:A:ASN:HD22	9	0.26
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG23	11	0.26
(1,2631)	1:123:A:ASP:H	1:124:A:LEU:HD13	9	0.26
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD22	6	0.26
(1,2628)	1:98:A:LEU:H	1:98:A:LEU:HD23	18	0.26
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	13	0.26
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	20	0.26
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	2	0.26
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	8	0.26
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB1	9	0.26
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB2	15	0.26
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB1	19	0.26
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	10	0.26
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD12	13	0.26
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD13	17	0.26
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	17	0.26
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	20	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	2	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	5	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	15	0.26
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	7	0.26
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG21	10	0.26
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	3	0.26
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	7	0.26
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	8	0.26
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	16	0.26
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	19	0.26
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	1	0.26
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	6	0.26
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	7	0.26
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	16	0.26
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	18	0.26
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	5	0.26
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	13	0.26
(1,2373)	1:76:A:ALA:HB2	1:102:A:ILE:HD12	3	0.26
(1,2369)	1:64:A:ILE:HG22	1:65:A:ARG:H	20	0.26
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG21	6	0.26
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	10	0.26
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	16	0.26
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	20	0.26
(1,2339)	1:239:A:LEU:HD12	1:240:A:VAL:HB	10	0.26
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	7	0.26
(1,2303)	1:134:A:GLN:H	1:137:A:ILE:HD12	4	0.26
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	2	0.26
(1,2265)	1:237:A:THR:HG23	1:241:A:ASN:HB2	11	0.26
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	2	0.26
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD13	13	0.26
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	5	0.26
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	9	0.26
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	1	0.26
(1,2097)	1:223:A:GLN:HG2	1:232:A:ALA:HA	16	0.26
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	17	0.26
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	1	0.26
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	5	0.26
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	7	0.26
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	13	0.26
(1,1993)	1:102:A:ILE:HD12	1:80:A:PHE:HE1	6	0.26
(1,1966)	1:62:A:LEU:HD13	1:44:A:TYR:HE2	13	0.26
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	17	0.26
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	10	0.26
(1,1949)	1:151:A:ALA:HA	1:137:A:ILE:HD13	6	0.26
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD23	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1948)	1:183:A:ALA:HA	1:199:A:LEU:HD21	9	0.26
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	2	0.26
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG22	16	0.26
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG21	18	0.26
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	20	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	1	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	6	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	10	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD12	14	0.26
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	18	0.26
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	10	0.26
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	13	0.26
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD11	4	0.26
(1,1794)	1:57:A:ILE:HD11	1:54:A:ASP:HA	1	0.26
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	8	0.26
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	16	0.26
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	7	0.26
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD12	8	0.26
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	1	0.26
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	2	0.26
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	5	0.26
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	13	0.26
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	20	0.26
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	1	0.26
(1,1776)	1:119:A:ILE:HD11	1:97:A:LEU:HB2	3	0.26
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	9	0.26
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	14	0.26
(1,1776)	1:119:A:ILE:HD11	1:97:A:LEU:HB2	20	0.26
(1,1755)	1:64:A:ILE:HD12	1:83:A:LEU:H	7	0.26
(1,1755)	1:64:A:ILE:HD12	1:83:A:LEU:H	10	0.26
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	12	0.26
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	16	0.26
(1,1737)	1:33:A:MET:HE3	1:30:A:THR:HA	14	0.26
(1,1726)	1:174:A:ALA:HB2	1:178:A:MET:H	5	0.26
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	5	0.26
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	20	0.26
(1,1710)	1:57:A:ILE:HG23	1:91:A:GLN:HE22	7	0.26
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	5	0.26
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	13	0.26
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	17	0.26
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	19	0.26
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB2	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB2	5	0.26
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	8	0.26
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	20	0.26
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	2	0.26
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	5	0.26
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	10	0.26
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	16	0.26
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	17	0.26
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG21	7	0.26
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	8	0.26
(1,1610)	1:159:A:LEU:HD13	1:160:A:GLY:HA3	10	0.26
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	3	0.26
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	10	0.26
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	12	0.26
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	16	0.26
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	7	0.26
(1,1604)	1:185:A:THR:HG23	1:182:A:GLN:HE21	10	0.26
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	2	0.26
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	4	0.26
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	6	0.26
(1,1553)	1:239:A:LEU:HD11	1:235:A:LEU:HA	10	0.26
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	12	0.26
(1,1553)	1:239:A:LEU:HD11	1:235:A:LEU:HA	17	0.26
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	7	0.26
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	9	0.26
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	18	0.26
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	2	0.26
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	8	0.26
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	17	0.26
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	5	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	1	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	7	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD12	8	0.26
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD12	18	0.26
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	2	0.26
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	10	0.26
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	15	0.26
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	19	0.26
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	3	0.26
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	1	0.26
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	18	0.26
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	12	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	1	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	2	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	3	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	6	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	7	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	8	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	9	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	10	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	15	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	16	0.26
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	18	0.26
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	4	0.26
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	11	0.26
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	13	0.26
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	1	0.26
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	4	0.26
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	17	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	2	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	13	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	15	0.26
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	20	0.26
(1,1124)	1:43:A:PHE:HB3	1:42:A:ALA:HB1	4	0.26
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	20	0.26
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	10	0.26
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	18	0.26
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	10	0.26
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	18	0.26
(1,1024)	1:225:A:ARG:HD3	1:225:A:ARG:HB2	16	0.26
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	18	0.26
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	18	0.26
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	3	0.26
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	12	0.26
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	4	0.26
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	9	0.26
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	14	0.26
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	18	0.26
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	1	0.26
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	6	0.26
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	1	0.26
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB1	5	0.26
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:225:A:ARG:HA	1:225:A:ARG:HD2	1	0.26
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD11	2	0.26
(1,755)	1:140:A:SER:HA	1:148:A:LEU:HD12	5	0.26
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	5	0.26
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	7	0.26
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA2	9	0.26
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	14	0.26
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	17	0.26
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	3	0.26
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	4	0.26
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB2	20	0.26
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	3	0.26
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	9	0.26
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	12	0.26
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	14	0.26
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD12	16	0.26
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	4	0.26
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	3	0.26
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	11	0.26
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG21	8	0.26
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	11	0.26
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	17	0.26
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	20	0.26
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	3	0.26
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	1	0.26
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	14	0.26
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	16	0.26
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	3	0.26
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	12	0.26
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	17	0.26
(1,500)	1:116:A:LEU:HD11	1:100:A:VAL:HA	19	0.26
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE2	17	0.26
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	12	0.26
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	17	0.26
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	14	0.26
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	14	0.26
(1,461)	1:212:A:PRO:HA	1:212:A:PRO:HD2	10	0.26
(1,458)	1:105:A:ALA:HB2	1:107:A:LYS:HE3	6	0.26
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	2	0.26
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB1	6	0.26
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	10	0.26
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG22	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	8	0.26
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	9	0.26
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	19	0.26
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	14	0.26
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	1	0.26
(1,271)	1:54:A:ASP:HB2	1:55:A:THR:HA	12	0.26
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	15	0.26
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	19	0.26
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	12	0.26
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	19	0.26
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	20	0.26
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	12	0.26
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	20	0.26
(1,243)	1:17:A:ARG:HA	1:17:A:ARG:HD2	19	0.26
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	5	0.25
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	7	0.25
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD11	1	0.25
(1,5793)	1:150:A:ARG:H	1:150:A:ARG:HD2	9	0.25
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	6	0.25
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	7	0.25
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	11	0.25
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD21	20	0.25
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	1	0.25
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	4	0.25
(1,5694)	1:21:A:MET:H	1:21:A:MET:HB2	5	0.25
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	9	0.25
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	14	0.25
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	4	0.25
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	7	0.25
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	8	0.25
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	20	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	2	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	3	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	4	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	7	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	8	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	12	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	16	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	19	0.25
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	20	0.25
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG22	4	0.25
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	10	0.25
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	12	0.25
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG23	14	0.25
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	14	0.25
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG22	19	0.25
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	8	0.25
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB2	7	0.25
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB3	14	0.25
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	18	0.25
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	5	0.25
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG12	13	0.25
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	2	0.25
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	12	0.25
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD22	17	0.25
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD11	7	0.25
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	9	0.25
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB1	3	0.25
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	16	0.25
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	2	0.25
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	12	0.25
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	8	0.25
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	10	0.25
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	3	0.25
(1,4797)	1:21:A:MET:H	1:20:A:HIS:HA	14	0.25
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	5	0.25
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD22	14	0.25
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	15	0.25
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	3	0.25
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB3	8	0.25
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	16	0.25
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	19	0.25
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	1	0.25
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	19	0.25
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	13	0.25
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	17	0.25
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	3	0.25
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	11	0.25
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	16	0.25
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	5	0.25
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	4	0.25
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	9	0.25
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	7	0.25
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	16	0.25
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	19	0.25
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	20	0.25
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	4	0.25
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	19	0.25
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	20	0.25
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	12	0.25
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	6	0.25
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	13	0.25
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	2	0.25
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	3	0.25
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD13	20	0.25
(1,4139)	1:103:A:LYS:HG2	1:103:A:LYS:HE3	17	0.25
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	2	0.25
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	7	0.25
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	8	0.25
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD13	9	0.25
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	14	0.25
(1,4072)	1:87:A:LEU:H	1:87:A:LEU:HG	1	0.25
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	1	0.25
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	3	0.25
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	8	0.25
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	9	0.25
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	16	0.25
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	17	0.25
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	2	0.25
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	12	0.25
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	15	0.25
(1,3959)	1:54:A:ASP:HB2	1:57:A:ILE:HG21	7	0.25
(1,3938)	1:97:A:LEU:HD21	1:132:A:TYR:HD2	10	0.25
(1,3938)	1:97:A:LEU:HD21	1:132:A:TYR:HD2	12	0.25
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	14	0.25
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	20	0.25
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	11	0.25
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	12	0.25
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD23	7	0.25
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD23	15	0.25
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD22	16	0.25
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD21	20	0.25
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	18	0.25
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	7	0.25
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	8	0.25
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	14	0.25
(1,3812)	1:122:A:ALA:HB1	1:120:A:THR:HG22	3	0.25
(1,3800)	1:62:A:LEU:HD21	1:62:A:LEU:HA	11	0.25
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB2	4	0.25
(1,3739)	1:175:A:LEU:HD13	1:198:A:TRP:HB2	4	0.25
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	12	0.25
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	6	0.25
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	9	0.25
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	14	0.25
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	7	0.25
(1,3716)	1:48:A:MET:HE3	1:49:A:GLN:H	14	0.25
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	20	0.25
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	4	0.25
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	6	0.25
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	18	0.25
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	20	0.25
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	18	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	6	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	10	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	11	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB1	14	0.25
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	16	0.25
(1,3688)	1:242:A:VAL:HG13	1:241:A:ASN:H	8	0.25
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	3	0.25
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	4	0.25
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	4	0.25
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD13	10	0.25
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD11	18	0.25
(1,3649)	1:62:A:LEU:HD12	1:62:A:LEU:H	13	0.25
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG23	11	0.25
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG21	13	0.25
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG21	14	0.25
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	3	0.25
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD21	18	0.25
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	17	0.25
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	2	0.25
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG21	1	0.25
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG23	8	0.25
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG23	15	0.25
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	9	0.25
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	13	0.25
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	4	0.25
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	15	0.25
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	17	0.25
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	8	0.25
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	5	0.25
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	13	0.25
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	19	0.25
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	20	0.25
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	3	0.25
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD13	12	0.25
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD13	19	0.25
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	2	0.25
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	1	0.25
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	2	0.25
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	3	0.25
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	15	0.25
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	16	0.25
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD12	10	0.25
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD12	17	0.25
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	9	0.25
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	13	0.25
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	16	0.25
(1,3374)	1:229:A:ASN:HB3	1:228:A:ASN:H	9	0.25
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	4	0.25
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	16	0.25
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD23	9	0.25
(1,3335)	1:240:A:VAL:HG22	1:235:A:LEU:HB2	20	0.25
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	1	0.25
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	7	0.25
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	13	0.25
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	6	0.25
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	8	0.25
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	13	0.25
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	4	0.25
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	1	0.25
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	2	0.25
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	3	0.25
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	7	0.25
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	20	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	3	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	5	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	7	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	12	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	13	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	14	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	17	0.25
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	19	0.25
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	1	0.25
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	13	0.25
(1,3200)	1:200:A:ASP:HA	1:204:A:VAL:HG13	8	0.25
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	6	0.25
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	14	0.25
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	18	0.25
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	18	0.25
(1,3095)	1:230:A:PRO:HA	1:233:A:LYS:HG3	13	0.25
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	5	0.25
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	20	0.25
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE2	1	0.25
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG21	18	0.25
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD12	16	0.25
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	1	0.25
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	6	0.25
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	12	0.25
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	7	0.25
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	20	0.25
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	1	0.25
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	14	0.25
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	15	0.25
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	17	0.25
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD11	1	0.25
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	18	0.25
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	8	0.25
(1,2720)	1:52:A:SER:HB3	1:52:A:SER:H	8	0.25
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	10	0.25
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	20	0.25
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	13	0.25
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	13	0.25
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	4	0.25
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB3	13	0.25
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG22	17	0.25
(1,2655)	1:172:A:TRP:H	1:171:A:THR:HG21	18	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	11	0.25
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	16	0.25
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	15	0.25
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD11	17	0.25
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB3	5	0.25
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB3	8	0.25
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB1	10	0.25
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB3	13	0.25
(1,2596)	1:124:A:LEU:HD22	1:120:A:THR:HA	5	0.25
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	11	0.25
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	1	0.25
(1,2591)	1:124:A:LEU:HD21	1:129:A:GLN:HG2	20	0.25
(1,2577)	1:79:A:LEU:HD13	1:60:A:GLN:HE22	15	0.25
(1,2573)	1:152:A:LEU:HD11	1:171:A:THR:HG23	14	0.25
(1,2573)	1:152:A:LEU:HD13	1:171:A:THR:HG22	16	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	3	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	4	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	8	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	9	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	15	0.25
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	18	0.25
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	8	0.25
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	1	0.25
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	3	0.25
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD23	3	0.25
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	8	0.25
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	1	0.25
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	12	0.25
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	16	0.25
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	6	0.25
(1,2438)	1:219:A:ILE:HG13	1:219:A:ILE:HG23	9	0.25
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	11	0.25
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	2	0.25
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	15	0.25
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	12	0.25
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	20	0.25
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD13	19	0.25
(1,2373)	1:76:A:ALA:HB3	1:102:A:ILE:HD11	20	0.25
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	14	0.25
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	15	0.25
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG21	11	0.25
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:240:A:VAL:HG13	1:244:A:ALA:HB2	8	0.25
(1,2359)	1:240:A:VAL:HG12	1:243:A:LYS:HG2	8	0.25
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG12	2	0.25
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG11	5	0.25
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	11	0.25
(1,2339)	1:239:A:LEU:HD12	1:240:A:VAL:HB	17	0.25
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	2	0.25
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	1	0.25
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	8	0.25
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD11	7	0.25
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD11	8	0.25
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD11	17	0.25
(1,2175)	1:53:A:ASP:H	1:56:A:ARG:HD2	17	0.25
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	8	0.25
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	9	0.25
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	11	0.25
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	14	0.25
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	20	0.25
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	7	0.25
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	10	0.25
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	19	0.25
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	8	0.25
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	14	0.25
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	19	0.25
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	12	0.25
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	14	0.25
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	18	0.25
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	13	0.25
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	4	0.25
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	7	0.25
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	13	0.25
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	18	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	1	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	2	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	10	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	16	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	17	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD11	19	0.25
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD12	20	0.25
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	1	0.25
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	17	0.25
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	18	0.25
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	19	0.25
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	10	0.25
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	19	0.25
(1,1755)	1:64:A:ILE:HD12	1:83:A:LEU:H	1	0.25
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	14	0.25
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	11	0.25
(1,1750)	1:154:A:ALA:HB2	1:133:A:TRP:HH2	13	0.25
(1,1729)	1:102:A:ILE:HG21	1:106:A:GLN:HE21	15	0.25
(1,1726)	1:174:A:ALA:HB1	1:178:A:MET:H	18	0.25
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	2	0.25
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	7	0.25
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	18	0.25
(1,1675)	1:180:A:GLN:HA	1:183:A:ALA:HB1	19	0.25
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	17	0.25
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB2	3	0.25
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB3	19	0.25
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB3	20	0.25
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	16	0.25
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	19	0.25
(1,1652)	1:232:A:ALA:HB2	1:222:A:TRP:HZ2	2	0.25
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	3	0.25
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	6	0.25
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	11	0.25
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	2	0.25
(1,1610)	1:159:A:LEU:HD12	1:160:A:GLY:HA3	11	0.25
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	17	0.25
(1,1610)	1:159:A:LEU:HD11	1:160:A:GLY:HA3	20	0.25
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	6	0.25
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	9	0.25
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	15	0.25
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	6	0.25
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	2	0.25
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	7	0.25
(1,1553)	1:239:A:LEU:HD11	1:235:A:LEU:HA	13	0.25
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	15	0.25
(1,1553)	1:239:A:LEU:HD11	1:235:A:LEU:HA	16	0.25
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	18	0.25
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	20	0.25
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	4	0.25
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	5	0.25
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	10	0.25
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	14	0.25
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	16	0.25
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	3	0.25
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	7	0.25
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	15	0.25
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	1	0.25
(1,1497)	1:152:A:LEU:HD21	1:152:A:LEU:HA	2	0.25
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	11	0.25
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	1	0.25
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	7	0.25
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD22	9	0.25
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD22	13	0.25
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD22	14	0.25
(1,1448)	1:62:A:LEU:HD21	1:32:A:TYR:HE2	17	0.25
(1,1444)	1:203:A:ARG:HG2	1:180:A:GLN:HE22	9	0.25
(1,1418)	1:225:A:ARG:HG2	1:224:A:LYS:HB3	4	0.25
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	9	0.25
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	16	0.25
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	6	0.25
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	20	0.25
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD12	12	0.25
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	3	0.25
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	18	0.25
(1,1282)	1:95:A:LYS:HB3	1:83:A:LEU:HD22	6	0.25
(1,1273)	1:214:A:MET:HG2	1:214:A:MET:HB2	14	0.25
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	9	0.25
(1,1214)	1:166:A:GLN:HG2	1:167:A:ASN:H	13	0.25
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	17	0.25
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	11	0.25
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	12	0.25
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	15	0.25
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	19	0.25
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	3	0.25
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	13	0.25
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	20	0.25
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	2	0.25
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	4	0.25
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	7	0.25
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG11	10	0.25
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	6	0.25
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	20	0.25
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	10	0.25
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	16	0.25
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	2	0.25
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	7	0.25
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	1	0.25
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	11	0.25
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	13	0.25
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	9	0.25
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	13	0.25
(1,969)	1:227:A:PRO:HD3	1:226:A:TYR:HD1	19	0.25
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	18	0.25
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	7	0.25
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	11	0.25
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	13	0.25
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	15	0.25
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	11	0.25
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	14	0.25
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB3	12	0.25
(1,913)	1:190:A:ALA:HA	1:190:A:ALA:HB2	16	0.25
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	12	0.25
(1,748)	1:43:A:PHE:HA	1:42:A:ALA:HB3	4	0.25
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	13	0.25
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	15	0.25
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	12	0.25
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	6	0.25
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD21	20	0.25
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	8	0.25
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	7	0.25
(1,611)	1:249:A:SER:H	1:249:A:SER:HB2	5	0.25
(1,611)	1:249:A:SER:H	1:249:A:SER:HB2	17	0.25
(1,611)	1:249:A:SER:H	1:249:A:SER:HB2	18	0.25
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	3	0.25
(1,597)	1:221:A:ASP:H	1:219:A:ILE:HB	8	0.25
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	1	0.25
(1,584)	1:98:A:LEU:H	1:97:A:LEU:HD11	6	0.25
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	14	0.25
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	6	0.25
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	13	0.25
(1,574)	1:173:A:GLN:H	1:175:A:LEU:HB2	4	0.25
(1,568)	1:76:A:ALA:H	1:64:A:ILE:HG22	16	0.25
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	10	0.25
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	15	0.25
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	16	0.25
(1,550)	1:176:A:SER:HB2	1:205:A:TRP:HZ2	3	0.25
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	13	0.25
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	5	0.25
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	8	0.25
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	14	0.25
(1,500)	1:116:A:LEU:HD11	1:100:A:VAL:HA	4	0.25
(1,500)	1:116:A:LEU:HD11	1:100:A:VAL:HA	11	0.25
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	15	0.25
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	17	0.25
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	20	0.25
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	9	0.25
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	2	0.25
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	3	0.25
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	4	0.25
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	16	0.25
(1,461)	1:212:A:PRO:HA	1:212:A:PRO:HD2	2	0.25
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	7	0.25
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	18	0.25
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	10	0.25
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	12	0.25
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	14	0.25
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	16	0.25
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	11	0.25
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB2	13	0.25
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB2	18	0.25
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	6	0.25
(1,286)	1:243:A:LYS:HB2	1:240:A:VAL:HG23	2	0.25
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	2	0.25
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	6	0.25
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	14	0.25
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	15	0.25
(1,273)	1:241:A:ASN:HB3	1:238:A:GLN:HA	19	0.25
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	3	0.25
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	16	0.25
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	7	0.25
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	1	0.25
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	6	0.24
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	3	0.24
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD21	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD21	18	0.24
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	14	0.24
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	15	0.24
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	2	0.24
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	1	0.24
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	18	0.24
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	6	0.24
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	12	0.24
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	16	0.24
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	19	0.24
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG23	5	0.24
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG23	19	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	4	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	5	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	7	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	8	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	12	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	13	0.24
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	20	0.24
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	8	0.24
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	1	0.24
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	5	0.24
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	9	0.24
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	13	0.24
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	6	0.24
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	10	0.24
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	15	0.24
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	16	0.24
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG21	3	0.24
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	4	0.24
(1,5286)	1:18:A:GLY:H	1:17:A:ARG:HA	13	0.24
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	15	0.24
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	19	0.24
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	12	0.24
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	4	0.24
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	19	0.24
(1,5113)	1:223:A:GLN:H	1:232:A:ALA:HB1	1	0.24
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	9	0.24
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD22	20	0.24
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	15	0.24
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	5	0.24
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	14	0.24
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	15	0.24
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD11	14	0.24
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	1	0.24
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	8	0.24
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	17	0.24
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	18	0.24
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	13	0.24
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	1	0.24
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	12	0.24
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB2	6	0.24
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB3	14	0.24
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	18	0.24
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD11	4	0.24
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	13	0.24
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	9	0.24
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	10	0.24
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	18	0.24
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	15	0.24
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	14	0.24
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	7	0.24
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	10	0.24
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	13	0.24
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	15	0.24
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	10	0.24
(1,4385)	1:80:A:PHE:HD1	1:80:A:PHE:H	11	0.24
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	11	0.24
(1,4328)	1:82:A:GLN:H	1:81:A:ASN:HB2	14	0.24
(1,4321)	1:146:A:ILE:HD13	1:150:A:ARG:HD3	10	0.24
(1,4315)	1:84:A:PRO:HD3	1:60:A:GLN:HE21	2	0.24
(1,4279)	1:102:A:ILE:HG21	1:103:A:LYS:HE3	10	0.24
(1,4250)	1:239:A:LEU:HD23	1:172:A:TRP:HD1	14	0.24
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	6	0.24
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	4	0.24
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD11	2	0.24
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD13	8	0.24
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	17	0.24
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD11	6	0.24
(1,4095)	1:103:A:LYS:HD3	1:115:A:LEU:HD12	11	0.24
(1,4091)	1:67:A:LEU:HD21	1:67:A:LEU:HD13	15	0.24
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	8	0.24
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	11	0.24
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	16	0.24
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	2	0.24
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	14	0.24
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD11	14	0.24
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	13	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	2	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	4	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	5	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	6	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	7	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	10	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	11	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	12	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	13	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	14	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	15	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	18	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	19	0.24
(1,3981)	1:224:A:LYS:HB2	1:224:A:LYS:HA	20	0.24
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	3	0.24
(1,3938)	1:97:A:LEU:HD21	1:132:A:TYR:HD2	4	0.24
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	6	0.24
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	8	0.24
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	9	0.24
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	11	0.24
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	5	0.24
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	9	0.24
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	11	0.24
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	15	0.24
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	10	0.24
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD22	1	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD22	3	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD22	4	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD22	8	0.24
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD21	9	0.24
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD23	12	0.24
(1,3880)	1:44:A:TYR:HB3	1:45:A:LEU:HD21	6	0.24
(1,3835)	1:78:A:GLU:HG2	1:79:A:LEU:HB3	3	0.24
(1,3806)	1:67:A:LEU:HD13	1:79:A:LEU:HD22	11	0.24
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	1	0.24
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB1	13	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	1	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD13	2	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	7	0.24
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	18	0.24
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD13	3	0.24
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	12	0.24
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	18	0.24
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	12	0.24
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	9	0.24
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	2	0.24
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	3	0.24
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	5	0.24
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	7	0.24
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	18	0.24
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB3	20	0.24
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	1	0.24
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG21	5	0.24
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	2	0.24
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	5	0.24
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	15	0.24
(1,3670)	1:98:A:LEU:HD23	1:65:A:ARG:H	20	0.24
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	13	0.24
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD13	15	0.24
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	16	0.24
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG22	17	0.24
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG21	18	0.24
(1,3639)	1:77:A:VAL:HG23	1:73:A:THR:HG23	19	0.24
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	5	0.24
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	7	0.24
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	17	0.24
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	19	0.24
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG21	6	0.24
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG21	10	0.24
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG22	11	0.24
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG23	12	0.24
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG22	14	0.24
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG21	18	0.24
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG21	19	0.24
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG23	20	0.24
(1,3585)	1:65:A:ARG:HG3	1:66:A:ALA:H	7	0.24
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	19	0.24
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	1	0.24
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD21	19	0.24
(1,3551)	1:62:A:LEU:HD23	1:62:A:LEU:H	20	0.24
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	7	0.24
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	9	0.24
(1,3545)	1:84:A:PRO:HG3	1:57:A:ILE:HG23	2	0.24
(1,3530)	1:141:A:GLN:HB3	1:141:A:GLN:HE21	10	0.24
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	9	0.24
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	14	0.24
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	16	0.24
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	17	0.24
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	5	0.24
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	17	0.24
(1,3482)	1:93:A:ARG:HB2	1:90:A:ALA:HB2	9	0.24
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	3	0.24
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	16	0.24
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	10	0.24
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	13	0.24
(1,3411)	1:178:A:MET:HB2	1:175:A:LEU:HD11	5	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD13	2	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	4	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	6	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD13	10	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD11	18	0.24
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD11	20	0.24
(1,3401)	1:181:A:GLU:HG2	1:180:A:GLN:HB3	9	0.24
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	15	0.24
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	16	0.24
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB3	18	0.24
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	5	0.24
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	15	0.24
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	6	0.24
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	19	0.24
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG21	12	0.24
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG23	7	0.24
(1,3285)	1:37:A:ALA:HA	1:32:A:TYR:HE1	10	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	13	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	14	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	16	0.24
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	19	0.24
(1,3245)	1:81:A:ASN:HA	1:81:A:ASN:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	3	0.24
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	14	0.24
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	2	0.24
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	4	0.24
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	7	0.24
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	13	0.24
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	15	0.24
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	13	0.24
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	3	0.24
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	9	0.24
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	12	0.24
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	15	0.24
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	16	0.24
(1,3113)	1:144:A:PRO:HA	1:174:A:ALA:HB2	5	0.24
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	16	0.24
(1,3093)	1:204:A:VAL:HG21	1:204:A:VAL:HA	11	0.24
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	1	0.24
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	5	0.24
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	6	0.24
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	17	0.24
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	3	0.24
(1,2942)	1:83:A:LEU:HD23	1:57:A:ILE:HA	5	0.24
(1,2942)	1:83:A:LEU:HD23	1:57:A:ILE:HA	18	0.24
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	4	0.24
(1,2935)	1:83:A:LEU:HD23	1:98:A:LEU:HB2	6	0.24
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	7	0.24
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD11	15	0.24
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	20	0.24
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	15	0.24
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	1	0.24
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	14	0.24
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	10	0.24
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	13	0.24
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	6	0.24
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	14	0.24
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	19	0.24
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	3	0.24
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	14	0.24
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	16	0.24
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	1	0.24
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	3	0.24
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	6	0.24
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	8	0.24
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	9	0.24
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	11	0.24
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD13	3	0.24
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	4	0.24
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	20	0.24
(1,2757)	1:62:A:LEU:HD13	1:65:A:ARG:HD3	1	0.24
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	20	0.24
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	11	0.24
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	14	0.24
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	5	0.24
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	15	0.24
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD11	8	0.24
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	11	0.24
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG22	7	0.24
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG23	8	0.24
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG22	9	0.24
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG21	14	0.24
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG21	19	0.24
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	11	0.24
(1,2674)	1:130:A:ALA:HB1	1:127:A:ASN:HD22	8	0.24
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE3	6	0.24
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	3	0.24
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	15	0.24
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	6	0.24
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD11	10	0.24
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	19	0.24
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	20	0.24
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB1	17	0.24
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	13	0.24
(1,2587)	1:235:A:LEU:H	1:235:A:LEU:HD11	12	0.24
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	6	0.24
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	11	0.24
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	16	0.24
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	19	0.24
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD22	20	0.24
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	13	0.24
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	8	0.24
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	3	0.24
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	16	0.24
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD11	2	0.24
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	5	0.24
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	8	0.24
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	19	0.24
(1,2402)	1:129:A:GLN:HG2	1:124:A:LEU:HG	8	0.24
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	13	0.24
(1,2359)	1:240:A:VAL:HG13	1:243:A:LYS:HG2	19	0.24
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	4	0.24
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	6	0.24
(1,2357)	1:216:A:LYS:HG3	1:242:A:VAL:HG13	17	0.24
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD11	3	0.24
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	13	0.24
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	4	0.24
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	5	0.24
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	14	0.24
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	7	0.24
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	15	0.24
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	4	0.24
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	5	0.24
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD11	4	0.24
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	3	0.24
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	17	0.24
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	16	0.24
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	18	0.24
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	8	0.24
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	20	0.24
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	11	0.24
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	13	0.24
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	3	0.24
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	15	0.24
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	16	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	1	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD11	4	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	5	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	6	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	7	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	9	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD11	11	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	13	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	15	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	16	0.24
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD11	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	20	0.24
(1,1958)	1:158:A:LEU:HD22	1:158:A:LEU:HB3	8	0.24
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE3	5	0.24
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	5	0.24
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	14	0.24
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD11	9	0.24
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	15	0.24
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD12	20	0.24
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	7	0.24
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	15	0.24
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	17	0.24
(1,1807)	1:176:A:SER:HB3	1:173:A:GLN:HE21	14	0.24
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	10	0.24
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	17	0.24
(1,1794)	1:57:A:ILE:HD11	1:54:A:ASP:HA	3	0.24
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	11	0.24
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	15	0.24
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG21	3	0.24
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD12	11	0.24
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	8	0.24
(1,1781)	1:137:A:ILE:HD11	1:136:A:LYS:HB3	10	0.24
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	14	0.24
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	15	0.24
(1,1781)	1:137:A:ILE:HD13	1:136:A:LYS:HB3	16	0.24
(1,1776)	1:119:A:ILE:HD13	1:97:A:LEU:HB2	7	0.24
(1,1776)	1:119:A:ILE:HD12	1:97:A:LEU:HB2	18	0.24
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	2	0.24
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	4	0.24
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	11	0.24
(1,1755)	1:64:A:ILE:HD13	1:83:A:LEU:H	15	0.24
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	5	0.24
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	10	0.24
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	3	0.24
(1,1710)	1:57:A:ILE:HG23	1:91:A:GLN:HE22	10	0.24
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	17	0.24
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	12	0.24
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	20	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB3	7	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB2	8	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB3	9	0.24
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB3	10	0.24
(1,1663)	1:100:A:VAL:HG21	1:99:A:ALA:HB3	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB2	12	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB1	16	0.24
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB3	17	0.24
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB2	4	0.24
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB1	12	0.24
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	7	0.24
(1,1652)	1:232:A:ALA:HB2	1:222:A:TRP:HZ2	16	0.24
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	1	0.24
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	9	0.24
(1,1636)	1:244:A:ALA:HB3	1:244:A:ALA:HA	13	0.24
(1,1633)	1:201:A:LEU:HD22	1:204:A:VAL:HG23	12	0.24
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	7	0.24
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	17	0.24
(1,1583)	1:158:A:LEU:HD12	1:126:A:GLN:HB3	17	0.24
(1,1561)	1:97:A:LEU:HD23	1:132:A:TYR:HA	8	0.24
(1,1553)	1:239:A:LEU:HD12	1:235:A:LEU:HA	1	0.24
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	8	0.24
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	12	0.24
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	19	0.24
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	20	0.24
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	18	0.24
(1,1532)	1:116:A:LEU:HD13	1:113:A:GLN:HB3	4	0.24
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	5	0.24
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	20	0.24
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	9	0.24
(1,1497)	1:152:A:LEU:HD23	1:152:A:LEU:HA	7	0.24
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	2	0.24
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD22	17	0.24
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	18	0.24
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	14	0.24
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	16	0.24
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	5	0.24
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	6	0.24
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD11	11	0.24
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD13	14	0.24
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	4	0.24
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	7	0.24
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	13	0.24
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	14	0.24
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD23	4	0.24
(1,1315)	1:136:A:LYS:HB2	1:116:A:LEU:HD22	8	0.24
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	13	0.24
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	2	0.24
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	13	0.24
(1,1276)	1:178:A:MET:HG2	1:174:A:ALA:HB3	20	0.24
(1,1259)	1:233:A:LYS:HB2	1:234:A:MET:H	13	0.24
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	10	0.24
(1,1211)	1:28:A:GLN:HG2	1:29:A:SER:H	20	0.24
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	4	0.24
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD21	7	0.24
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	8	0.24
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	16	0.24
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	16	0.24
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	15	0.24
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	8	0.24
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	11	0.24
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	14	0.24
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	8	0.24
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	9	0.24
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	16	0.24
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	17	0.24
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	3	0.24
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	10	0.24
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	14	0.24
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	15	0.24
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	19	0.24
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	2	0.24
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	20	0.24
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	9	0.24
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	18	0.24
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	2	0.24
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	10	0.24
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	20	0.24
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD22	4	0.24
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD23	9	0.24
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	10	0.24
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	16	0.24
(1,984)	1:87:A:LEU:HB3	1:87:A:LEU:HD21	18	0.24
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	7	0.24
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	3	0.24
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	7	0.24
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	8	0.24
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	10	0.24
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	17	0.24
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	4	0.24
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	2	0.24
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	6	0.24
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	12	0.24
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	11	0.24
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	4	0.24
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB2	7	0.24
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB2	13	0.24
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	16	0.24
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	2	0.24
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	18	0.24
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	10	0.24
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	15	0.24
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	16	0.24
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	10	0.24
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	12	0.24
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	2	0.24
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	19	0.24
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	15	0.24
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	1	0.24
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	11	0.24
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB1	19	0.24
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	3	0.24
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	5	0.24
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	15	0.24
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	1	0.24
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	13	0.24
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	5	0.24
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	14	0.24
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	18	0.24
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	14	0.24
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	15	0.24
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	16	0.24
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	2	0.24
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	7	0.24
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	10	0.24
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	15	0.24
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	1	0.24
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	12	0.24
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	2	0.24
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	6	0.24
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	7	0.24
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	9	0.24
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	12	0.24
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	6	0.24
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	7	0.24
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	18	0.24
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	6	0.24
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	15	0.24
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	20	0.24
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	7	0.24
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	7	0.24
(1,342)	1:146:A:ILE:HD13	1:187:A:VAL:H	20	0.24
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB1	12	0.24
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB2	15	0.24
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	17	0.24
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	1	0.24
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	4	0.24
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	3	0.24
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	6	0.24
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	7	0.24
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	16	0.24
(1,271)	1:54:A:ASP:HB2	1:55:A:THR:HA	16	0.24
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	18	0.24
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	8	0.24
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	10	0.24
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG22	10	0.24
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	1	0.24
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	2	0.24
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	6	0.24
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	7	0.24
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	14	0.24
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	16	0.24
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	2	0.24
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	9	0.24
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	10	0.24
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	17	0.24
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	9	0.24
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	2	0.23
(1,5858)	1:205:A:TRP:HE1	1:176:A:SER:HB3	17	0.23
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD12	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD22	1	0.23
(1,5786)	1:64:A:ILE:H	1:79:A:LEU:HD23	19	0.23
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	15	0.23
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	9	0.23
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	12	0.23
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	13	0.23
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	3	0.23
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	5	0.23
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	10	0.23
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	1	0.23
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	2	0.23
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	16	0.23
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	10	0.23
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	18	0.23
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	19	0.23
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	11	0.23
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	13	0.23
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	5	0.23
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	16	0.23
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	18	0.23
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	1	0.23
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	20	0.23
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	14	0.23
(1,5161)	1:141:A:GLN:H	1:141:A:GLN:HB3	15	0.23
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	12	0.23
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD22	19	0.23
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	9	0.23
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG12	19	0.23
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	8	0.23
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	10	0.23
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	19	0.23
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD13	17	0.23
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD13	5	0.23
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD11	7	0.23
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	15	0.23
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	18	0.23
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	2	0.23
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	19	0.23
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD23	4	0.23
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	18	0.23
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB3	12	0.23
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	19	0.23
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	1	0.23
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD13	10	0.23
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD13	13	0.23
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	15	0.23
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	4	0.23
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	6	0.23
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	12	0.23
(1,4551)	1:245:A:PHE:HZ	1:248:A:ALA:HB2	18	0.23
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	1	0.23
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	4	0.23
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	6	0.23
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	12	0.23
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	4	0.23
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	5	0.23
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	8	0.23
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	9	0.23
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	15	0.23
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	11	0.23
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	5	0.23
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	6	0.23
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	10	0.23
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	4	0.23
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	19	0.23
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	1	0.23
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	8	0.23
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	11	0.23
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	13	0.23
(1,4309)	1:83:A:LEU:HD12	1:60:A:GLN:HE22	11	0.23
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	16	0.23
(1,4250)	1:239:A:LEU:HD21	1:172:A:TRP:HD1	18	0.23
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	5	0.23
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	2	0.23
(1,4222)	1:188:A:ILE:HG23	1:196:A:GLN:HE22	17	0.23
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	7	0.23
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	6	0.23
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	15	0.23
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	2	0.23
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	3	0.23
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	5	0.23
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	6	0.23
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	17	0.23
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	7	0.23
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD11	1	0.23
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	7	0.23
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	18	0.23
(1,4009)	1:185:A:THR:HG21	1:182:A:GLN:HG2	16	0.23
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	3	0.23
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	6	0.23
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	8	0.23
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	16	0.23
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	5	0.23
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	16	0.23
(1,3938)	1:97:A:LEU:HD22	1:132:A:TYR:HD2	1	0.23
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	2	0.23
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	16	0.23
(1,3938)	1:97:A:LEU:HD21	1:132:A:TYR:HD2	17	0.23
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	19	0.23
(1,3926)	1:149:A:LEU:HD12	1:150:A:ARG:HD2	17	0.23
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	8	0.23
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	10	0.23
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	2	0.23
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	6	0.23
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG23	15	0.23
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD22	2	0.23
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD22	6	0.23
(1,3894)	1:64:A:ILE:HG22	1:79:A:LEU:HD21	14	0.23
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD21	17	0.23
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD21	2	0.23
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD21	8	0.23
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD23	9	0.23
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD22	12	0.23
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD23	14	0.23
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD22	15	0.23
(1,3805)	1:67:A:LEU:HD11	1:67:A:LEU:HB2	7	0.23
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB3	7	0.23
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB3	12	0.23
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB3	15	0.23
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	15	0.23
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	16	0.23
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB1	7	0.23
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG21	14	0.23
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3716)	1:48:A:MET:HE3	1:49:A:GLN:H	5	0.23
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	6	0.23
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	17	0.23
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	3	0.23
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	8	0.23
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	14	0.23
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	15	0.23
(1,3688)	1:242:A:VAL:HG11	1:241:A:ASN:H	14	0.23
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG22	1	0.23
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	10	0.23
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	13	0.23
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	18	0.23
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD12	6	0.23
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD12	8	0.23
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	8	0.23
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	17	0.23
(1,3639)	1:77:A:VAL:HG21	1:73:A:THR:HG22	4	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	1	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	2	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	6	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	8	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	10	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	11	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD21	14	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD21	17	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	19	0.23
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD21	20	0.23
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	2	0.23
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	14	0.23
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	10	0.23
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	12	0.23
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	13	0.23
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG21	4	0.23
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG23	7	0.23
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG23	13	0.23
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	20	0.23
(1,3579)	1:104:A:LEU:HD13	1:136:A:LYS:H	4	0.23
(1,3574)	1:195:A:LEU:HD23	1:192:A:GLU:H	7	0.23
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD23	4	0.23
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	16	0.23
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	15	0.23
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD23	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	6	0.23
(1,3551)	1:62:A:LEU:HD22	1:62:A:LEU:H	8	0.23
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	4	0.23
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	12	0.23
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	2	0.23
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	8	0.23
(1,3510)	1:85:A:GLN:HB3	1:84:A:PRO:HA	18	0.23
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	4	0.23
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	9	0.23
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	13	0.23
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	3	0.23
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	12	0.23
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	15	0.23
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	18	0.23
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	19	0.23
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	20	0.23
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	15	0.23
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	3	0.23
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	5	0.23
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB3	7	0.23
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	11	0.23
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB3	13	0.23
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	6	0.23
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	11	0.23
(1,3346)	1:40:A:ASP:HB3	1:39:A:ALA:HB1	19	0.23
(1,3340)	1:105:A:ALA:HA	1:107:A:LYS:HE2	8	0.23
(1,3335)	1:240:A:VAL:HG21	1:235:A:LEU:HB2	13	0.23
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	4	0.23
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	6	0.23
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	3	0.23
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	4	0.23
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	5	0.23
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	6	0.23
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE2	9	0.23
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	18	0.23
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	3	0.23
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	2	0.23
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	10	0.23
(1,3211)	1:183:A:ALA:HB1	1:175:A:LEU:HA	10	0.23
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	1	0.23
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	8	0.23
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	10	0.23
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	11	0.23
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	17	0.23
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	19	0.23
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	5	0.23
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	12	0.23
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD23	18	0.23
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	6	0.23
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	13	0.23
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	14	0.23
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	1	0.23
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	2	0.23
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	1	0.23
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB2	7	0.23
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	2	0.23
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	11	0.23
(1,2952)	1:57:A:ILE:HD13	1:84:A:PRO:HG2	19	0.23
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	4	0.23
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	2	0.23
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	8	0.23
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	10	0.23
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	17	0.23
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	18	0.23
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	3	0.23
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD11	12	0.23
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD11	14	0.23
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	18	0.23
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	8	0.23
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	15	0.23
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	8	0.23
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	3	0.23
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	11	0.23
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	4	0.23
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	11	0.23
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	19	0.23
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	13	0.23
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	4	0.23
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	13	0.23
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	16	0.23
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	17	0.23
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	19	0.23
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2757)	1:62:A:LEU:HD13	1:65:A:ARG:HD3	13	0.23
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB3	6	0.23
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG22	6	0.23
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG23	10	0.23
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG23	17	0.23
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	1	0.23
(1,2677)	1:102:A:ILE:HG23	1:106:A:GLN:HE22	14	0.23
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	20	0.23
(1,2657)	1:217:A:ALA:H	1:217:A:ALA:HB1	12	0.23
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG22	5	0.23
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	6	0.23
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	15	0.23
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	17	0.23
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	5	0.23
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	9	0.23
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	12	0.23
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB2	6	0.23
(1,2591)	1:124:A:LEU:HD21	1:129:A:GLN:HG2	5	0.23
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	9	0.23
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	12	0.23
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	16	0.23
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	8	0.23
(1,2577)	1:79:A:LEU:HD11	1:60:A:GLN:HE22	14	0.23
(1,2577)	1:79:A:LEU:HD12	1:60:A:GLN:HE22	19	0.23
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	5	0.23
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD23	10	0.23
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	13	0.23
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	2	0.23
(1,2537)	1:142:A:GLY:H	1:141:A:GLN:HG2	5	0.23
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	13	0.23
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	2	0.23
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	17	0.23
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	1	0.23
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD23	11	0.23
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	18	0.23
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	12	0.23
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	10	0.23
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD22	14	0.23
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	19	0.23
(1,2414)	1:68:A:VAL:HB	1:73:A:THR:HG22	3	0.23
(1,2391)	1:228:A:ASN:HB3	1:227:A:PRO:HD3	2	0.23
(1,2373)	1:76:A:ALA:HB2	1:102:A:ILE:HD11	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	9	0.23
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG21	19	0.23
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	4	0.23
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	7	0.23
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	8	0.23
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD13	10	0.23
(1,2339)	1:239:A:LEU:HD11	1:240:A:VAL:HB	3	0.23
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	6	0.23
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	20	0.23
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	1	0.23
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	4	0.23
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	17	0.23
(1,2280)	1:95:A:LYS:HE2	1:95:A:LYS:HB2	6	0.23
(1,2258)	1:205:A:TRP:HE1	1:239:A:LEU:HD11	11	0.23
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	8	0.23
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	4	0.23
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	5	0.23
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	8	0.23
(1,2227)	1:55:A:THR:HG23	1:48:A:MET:HA	12	0.23
(1,2201)	1:137:A:ILE:HG21	1:140:A:SER:HB2	18	0.23
(1,2189)	1:48:A:MET:HE1	1:79:A:LEU:HD11	3	0.23
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	1	0.23
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD11	2	0.23
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD11	13	0.23
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	18	0.23
(1,2144)	1:194:A:ILE:HD11	1:226:A:TYR:HD2	13	0.23
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	9	0.23
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	11	0.23
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	12	0.23
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD22	13	0.23
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	14	0.23
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	13	0.23
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	15	0.23
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	2	0.23
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	4	0.23
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	8	0.23
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	14	0.23
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	9	0.23
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	20	0.23
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	2	0.23
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	3	0.23
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD13	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1963)	1:116:A:LEU:H	1:116:A:LEU:HD12	17	0.23
(1,1940)	1:26:A:PRO:HD3	1:25:A:THR:HG23	19	0.23
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	5	0.23
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD12	8	0.23
(1,1885)	1:77:A:VAL:HB	1:102:A:ILE:HD13	16	0.23
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	3	0.23
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	19	0.23
(1,1807)	1:176:A:SER:HB3	1:173:A:GLN:HE21	18	0.23
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	7	0.23
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG23	1	0.23
(1,1792)	1:102:A:ILE:HD12	1:102:A:ILE:HG22	8	0.23
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG22	16	0.23
(1,1787)	1:77:A:VAL:H	1:102:A:ILE:HD13	3	0.23
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	13	0.23
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	16	0.23
(1,1776)	1:119:A:ILE:HD11	1:97:A:LEU:HB2	5	0.23
(1,1737)	1:33:A:MET:HE2	1:30:A:THR:HA	20	0.23
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	6	0.23
(1,1723)	1:130:A:ALA:HB2	1:155:A:GLN:HA	13	0.23
(1,1665)	1:42:A:ALA:HB2	1:40:A:ASP:HB2	5	0.23
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	10	0.23
(1,1665)	1:42:A:ALA:HB2	1:40:A:ASP:HB2	13	0.23
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	14	0.23
(1,1663)	1:100:A:VAL:HG21	1:99:A:ALA:HB3	2	0.23
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB2	4	0.23
(1,1663)	1:100:A:VAL:HG21	1:99:A:ALA:HB3	5	0.23
(1,1663)	1:100:A:VAL:HG21	1:99:A:ALA:HB2	14	0.23
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB3	15	0.23
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB2	18	0.23
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	18	0.23
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	1	0.23
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	17	0.23
(1,1636)	1:244:A:ALA:HB1	1:244:A:ALA:HA	4	0.23
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	12	0.23
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	15	0.23
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	1	0.23
(1,1608)	1:242:A:VAL:HG22	1:242:A:VAL:HA	4	0.23
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	5	0.23
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	13	0.23
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	18	0.23
(1,1586)	1:240:A:VAL:HG23	1:243:A:LYS:HE2	20	0.23
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1561)	1:97:A:LEU:HD21	1:132:A:TYR:HA	15	0.23
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	19	0.23
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	1	0.23
(1,1544)	1:116:A:LEU:HD23	1:136:A:LYS:HA	3	0.23
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	11	0.23
(1,1544)	1:116:A:LEU:HD22	1:136:A:LYS:HA	13	0.23
(1,1544)	1:116:A:LEU:HD21	1:136:A:LYS:HA	15	0.23
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	1	0.23
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	13	0.23
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	16	0.23
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	18	0.23
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	8	0.23
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	10	0.23
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	16	0.23
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	17	0.23
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	6	0.23
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	3	0.23
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	17	0.23
(1,1442)	1:203:A:ARG:HG3	1:180:A:GLN:HE22	9	0.23
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	6	0.23
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	8	0.23
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	9	0.23
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	18	0.23
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	4	0.23
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	9	0.23
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	10	0.23
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	18	0.23
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	18	0.23
(1,1259)	1:233:A:LYS:HB2	1:234:A:MET:H	5	0.23
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	6	0.23
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD22	9	0.23
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD22	14	0.23
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	10	0.23
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	14	0.23
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	3	0.23
(1,1122)	1:193:A:ASN:HB3	1:193:A:ASN:HD22	20	0.23
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	1	0.23
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	11	0.23
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	18	0.23
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	4	0.23
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	4	0.23
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	4	0.23
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	8	0.23
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	9	0.23
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	9	0.23
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	13	0.23
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	1	0.23
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	6	0.23
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	11	0.23
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	14	0.23
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	15	0.23
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	16	0.23
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	18	0.23
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG12	5	0.23
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	1	0.23
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	3	0.23
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	5	0.23
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	2	0.23
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	5	0.23
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	8	0.23
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB2	15	0.23
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	4	0.23
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	7	0.23
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	9	0.23
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	14	0.23
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	9	0.23
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	12	0.23
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	1	0.23
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	5	0.23
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	20	0.23
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	8	0.23
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	12	0.23
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	14	0.23
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	16	0.23
(1,612)	1:41:A:SER:H	1:67:A:LEU:HA	6	0.23
(1,596)	1:181:A:GLU:H	1:180:A:GLN:HG3	16	0.23
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	6	0.23
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	6	0.23
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	7	0.23
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	9	0.23
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	16	0.23
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	14	0.23
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	5	0.23
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	7	0.23
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	14	0.23
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	16	0.23
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	9	0.23
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	13	0.23
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	4	0.23
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	5	0.23
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	12	0.23
(1,542)	1:132:A:TYR:HD1	1:133:A:TRP:HZ2	17	0.23
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	6	0.23
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	18	0.23
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	19	0.23
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	1	0.23
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	5	0.23
(1,521)	1:175:A:LEU:HD23	1:202:A:GLN:HB3	14	0.23
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	1	0.23
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB2	15	0.23
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	1	0.23
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	3	0.23
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	10	0.23
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	13	0.23
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	14	0.23
(1,489)	1:181:A:GLU:HG2	1:181:A:GLU:HB3	16	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	1	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	5	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	11	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	13	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	15	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	17	0.23
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	19	0.23
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	20	0.23
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	17	0.23
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	5	0.23
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	20	0.23
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	1	0.23
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	9	0.23
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	15	0.23
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	18	0.23
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	14	0.23
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	3	0.23
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	15	0.23
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	18	0.23
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	4	0.23
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	9	0.23
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB1	14	0.23
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	9	0.23
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	20	0.23
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	11	0.23
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	15	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	2	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	4	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	11	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	12	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	13	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	14	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	16	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	17	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	18	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	19	0.23
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	20	0.23
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	5	0.23
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	13	0.23
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	3	0.23
(1,269)	1:89:A:ASP:HB3	1:91:A:GLN:H	9	0.23
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	19	0.23
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	2	0.23
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	4	0.23
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	17	0.23
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	6	0.23
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	14	0.23
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	15	0.23
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	6	0.23
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	10	0.23
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	13	0.23
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	18	0.23
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	9	0.22
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB1	14	0.22
(1,5793)	1:150:A:ARG:H	1:150:A:ARG:HD2	14	0.22
(1,5793)	1:150:A:ARG:H	1:150:A:ARG:HD2	16	0.22
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	5	0.22
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	13	0.22
(1,5769)	1:36:A:THR:H	1:34:A:GLN:H	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	8	0.22
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	11	0.22
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	16	0.22
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	17	0.22
(1,5692)	1:217:A:ALA:H	1:242:A:VAL:HG21	1	0.22
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	3	0.22
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	14	0.22
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	15	0.22
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	17	0.22
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	15	0.22
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	17	0.22
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	19	0.22
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	18	0.22
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	18	0.22
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	20	0.22
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	11	0.22
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	1	0.22
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	14	0.22
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	15	0.22
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG23	1	0.22
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG22	17	0.22
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	3	0.22
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	9	0.22
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	11	0.22
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	14	0.22
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	18	0.22
(1,5372)	1:172:A:TRP:HE1	1:238:A:GLN:HB2	19	0.22
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	9	0.22
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	1	0.22
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	3	0.22
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	12	0.22
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	13	0.22
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	18	0.22
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	7	0.22
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	8	0.22
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	10	0.22
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	17	0.22
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	3	0.22
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	7	0.22
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	12	0.22
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	20	0.22
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	1	0.22
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	6	0.22
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	11	0.22
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	18	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	1	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	2	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	4	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	6	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD22	8	0.22
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	18	0.22
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	14	0.22
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	9	0.22
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	16	0.22
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	20	0.22
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD21	9	0.22
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	19	0.22
(1,4973)	1:117:A:ALA:H	1:117:A:ALA:HB3	20	0.22
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	4	0.22
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD13	10	0.22
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	13	0.22
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD13	19	0.22
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	2	0.22
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	7	0.22
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	13	0.22
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD12	19	0.22
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD23	16	0.22
(1,4763)	1:201:A:LEU:H	1:201:A:LEU:HD21	1	0.22
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	8	0.22
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	10	0.22
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	14	0.22
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	17	0.22
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB2	4	0.22
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	13	0.22
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	7	0.22
(1,4672)	1:190:A:ALA:H	1:189:A:ASN:HD21	18	0.22
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	6	0.22
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	9	0.22
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	12	0.22
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	16	0.22
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	18	0.22
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	2	0.22
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	14	0.22
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	17	0.22
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	17	0.22
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	18	0.22
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	20	0.22
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	4	0.22
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	17	0.22
(1,4495)	1:130:A:ALA:HB1	1:133:A:TRP:HD1	11	0.22
(1,4495)	1:130:A:ALA:HB2	1:133:A:TRP:HD1	13	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	1	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	2	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	7	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	10	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	13	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	17	0.22
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	20	0.22
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	11	0.22
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	15	0.22
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	2	0.22
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	3	0.22
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	9	0.22
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	2	0.22
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	5	0.22
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	6	0.22
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	14	0.22
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	17	0.22
(1,4279)	1:102:A:ILE:HG23	1:103:A:LYS:HE3	14	0.22
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	3	0.22
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	15	0.22
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	6	0.22
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	15	0.22
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	19	0.22
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	20	0.22
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	9	0.22
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD21	1	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	1	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	7	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	9	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	12	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	14	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	18	0.22
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4043)	1:25:A:THR:HG23	1:24:A:HIS:HA	1	0.22
(1,4043)	1:25:A:THR:HG23	1:24:A:HIS:HA	15	0.22
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	3	0.22
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	16	0.22
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	4	0.22
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	15	0.22
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD11	6	0.22
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	8	0.22
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD11	10	0.22
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD12	11	0.22
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	4	0.22
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	14	0.22
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	17	0.22
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	20	0.22
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	6	0.22
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	5	0.22
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	17	0.22
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	1	0.22
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	7	0.22
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	18	0.22
(1,3918)	1:231:A:GLY:H	1:230:A:PRO:HG3	11	0.22
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	14	0.22
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	20	0.22
(1,3895)	1:64:A:ILE:HG22	1:98:A:LEU:HA	19	0.22
(1,3894)	1:64:A:ILE:HG23	1:79:A:LEU:HD23	11	0.22
(1,3894)	1:64:A:ILE:HG21	1:79:A:LEU:HD23	19	0.22
(1,3891)	1:62:A:LEU:HD11	1:44:A:TYR:HD2	19	0.22
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD23	6	0.22
(1,3860)	1:125:A:GLU:HG2	1:127:A:ASN:HB2	11	0.22
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	1	0.22
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	2	0.22
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD22	7	0.22
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD23	17	0.22
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD23	20	0.22
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	3	0.22
(1,3797)	1:179:A:THR:HG21	1:179:A:THR:HA	15	0.22
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	19	0.22
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB1	9	0.22
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	9	0.22
(1,3739)	1:175:A:LEU:HD12	1:198:A:TRP:HB2	14	0.22
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	5	0.22
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD12	11	0.22
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	9	0.22
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	7	0.22
(1,3716)	1:48:A:MET:HE2	1:49:A:GLN:H	13	0.22
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	7	0.22
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	15	0.22
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	16	0.22
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	20	0.22
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB1	1	0.22
(1,3703)	1:161:A:ALA:H	1:161:A:ALA:HB2	8	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG23	4	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	5	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	7	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	9	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	10	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG23	11	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG22	12	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG23	14	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	15	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	16	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	17	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	18	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG23	19	0.22
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG22	20	0.22
(1,3648)	1:34:A:GLN:H	1:62:A:LEU:HD12	9	0.22
(1,3647)	1:62:A:LEU:HD12	1:66:A:ALA:H	7	0.22
(1,3645)	1:195:A:LEU:HD11	1:192:A:GLU:HA	5	0.22
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	7	0.22
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	18	0.22
(1,3639)	1:77:A:VAL:HG22	1:73:A:THR:HG23	15	0.22
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	4	0.22
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	12	0.22
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	13	0.22
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	1	0.22
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	19	0.22
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	1	0.22
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	5	0.22
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	11	0.22
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	15	0.22
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	16	0.22
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	11	0.22
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG22	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3594)	1:115:A:LEU:HD12	1:100:A:VAL:HG23	9	0.22
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	5	0.22
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	7	0.22
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	11	0.22
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	13	0.22
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	17	0.22
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	19	0.22
(1,3574)	1:195:A:LEU:HD21	1:192:A:GLU:H	19	0.22
(1,3574)	1:195:A:LEU:HD22	1:192:A:GLU:H	20	0.22
(1,3562)	1:164:A:LYS:HA	1:159:A:LEU:HD22	3	0.22
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	10	0.22
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD12	11	0.22
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD13	16	0.22
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	4	0.22
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	5	0.22
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	12	0.22
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	19	0.22
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	8	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	1	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	10	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	12	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	14	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	19	0.22
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	20	0.22
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	8	0.22
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	18	0.22
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	15	0.22
(1,3331)	1:203:A:ARG:HD2	1:183:A:ALA:HB3	18	0.22
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	2	0.22
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	3	0.22
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	12	0.22
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	14	0.22
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	19	0.22
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	5	0.22
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	9	0.22
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	10	0.22
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE3	8	0.22
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	10	0.22
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	11	0.22
(1,3253)	1:239:A:LEU:HA	1:215:A:MET:HE1	17	0.22
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	6	0.22
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	5	0.22
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	7	0.22
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	16	0.22
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	17	0.22
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	12	0.22
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	16	0.22
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	20	0.22
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	1	0.22
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	3	0.22
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	5	0.22
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	9	0.22
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	18	0.22
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	1	0.22
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	2	0.22
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	4	0.22
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	5	0.22
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	19	0.22
(1,3093)	1:204:A:VAL:HG22	1:204:A:VAL:HA	8	0.22
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	13	0.22
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG22	20	0.22
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	12	0.22
(1,2961)	1:199:A:LEU:HD22	1:183:A:ALA:HB1	1	0.22
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB2	2	0.22
(1,2961)	1:199:A:LEU:HD22	1:183:A:ALA:HB2	3	0.22
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB1	11	0.22
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB2	14	0.22
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB2	18	0.22
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB3	19	0.22
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB3	20	0.22
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG11	8	0.22
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	4	0.22
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	10	0.22
(1,2952)	1:57:A:ILE:HD13	1:84:A:PRO:HG2	13	0.22
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	12	0.22
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	10	0.22
(1,2942)	1:83:A:LEU:HD23	1:57:A:ILE:HA	12	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	4	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	5	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD11	7	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	9	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	10	0.22
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD11	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:83:A:LEU:HD13	1:96:A:THR:H	12	0.22
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	18	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	2	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	3	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	4	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	5	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	6	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	7	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	8	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	9	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	10	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	11	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	12	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	15	0.22
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	19	0.22
(1,2878)	1:21:A:MET:HA	1:21:A:MET:HB3	3	0.22
(1,2873)	1:219:A:ILE:HG21	1:216:A:LYS:HA	19	0.22
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	9	0.22
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	10	0.22
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	13	0.22
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	16	0.22
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	17	0.22
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	12	0.22
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	15	0.22
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	2	0.22
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	16	0.22
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	3	0.22
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	7	0.22
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	5	0.22
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB1	18	0.22
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	19	0.22
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	12	0.22
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD11	13	0.22
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	17	0.22
(1,2757)	1:62:A:LEU:HD12	1:65:A:ARG:HD3	3	0.22
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	18	0.22
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	8	0.22
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG21	1	0.22
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG21	3	0.22
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG21	4	0.22
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG23	12	0.22
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG22	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG23	18	0.22
(1,2686)	1:219:A:ILE:HD13	1:219:A:ILE:HG23	20	0.22
(1,2677)	1:102:A:ILE:HG23	1:106:A:GLN:HE22	3	0.22
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	19	0.22
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	7	0.22
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	10	0.22
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	14	0.22
(1,2618)	1:67:A:LEU:HD23	1:72:A:LYS:HG2	20	0.22
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	1	0.22
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	3	0.22
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD11	16	0.22
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB1	7	0.22
(1,2596)	1:124:A:LEU:HD23	1:120:A:THR:HA	13	0.22
(1,2596)	1:124:A:LEU:HD22	1:120:A:THR:HA	19	0.22
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	4	0.22
(1,2591)	1:124:A:LEU:HD21	1:129:A:GLN:HG2	19	0.22
(1,2572)	1:104:A:LEU:HD11	1:101:A:GLU:HG2	14	0.22
(1,2566)	1:126:A:GLN:HA	1:158:A:LEU:HD21	7	0.22
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	5	0.22
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	7	0.22
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	10	0.22
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	3	0.22
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	8	0.22
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	11	0.22
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	16	0.22
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	4	0.22
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	7	0.22
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	10	0.22
(1,2446)	1:175:A:LEU:HD21	1:171:A:THR:HB	11	0.22
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD22	13	0.22
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB3	20	0.22
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD13	2	0.22
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	6	0.22
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	4	0.22
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	10	0.22
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	16	0.22
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	17	0.22
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	18	0.22
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	12	0.22
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	19	0.22
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	20	0.22
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	1	0.22
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	17	0.22
(1,2201)	1:137:A:ILE:HG21	1:140:A:SER:HB2	14	0.22
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	6	0.22
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD13	16	0.22
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	3	0.22
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	12	0.22
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD23	5	0.22
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	16	0.22
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	10	0.22
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	16	0.22
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	5	0.22
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	13	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	1	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	5	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	10	0.22
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	11	0.22
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	17	0.22
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	19	0.22
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	1	0.22
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	4	0.22
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	7	0.22
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	17	0.22
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	8	0.22
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	20	0.22
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	2	0.22
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	3	0.22
(1,1784)	1:188:A:ILE:HD11	1:192:A:GLU:HA	9	0.22
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	18	0.22
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	6	0.22
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	4	0.22
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	17	0.22
(1,1737)	1:33:A:MET:HE2	1:30:A:THR:HA	17	0.22
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	1	0.22
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	4	0.22
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	11	0.22
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	19	0.22
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	13	0.22
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD21	4	0.22
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD21	7	0.22
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	12	0.22
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	1	0.22
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	2	0.22
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	3	0.22
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	6	0.22
(1,1665)	1:42:A:ALA:HB2	1:40:A:ASP:HB2	15	0.22
(1,1665)	1:42:A:ALA:HB2	1:40:A:ASP:HB2	16	0.22
(1,1663)	1:100:A:VAL:HG23	1:99:A:ALA:HB1	6	0.22
(1,1663)	1:100:A:VAL:HG22	1:99:A:ALA:HB1	13	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	6	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB1	8	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	10	0.22
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB1	18	0.22
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	1	0.22
(1,1652)	1:232:A:ALA:HB2	1:222:A:TRP:HZ2	14	0.22
(1,1636)	1:244:A:ALA:HB2	1:244:A:ALA:HA	7	0.22
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	15	0.22
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	17	0.22
(1,1587)	1:240:A:VAL:HG23	1:240:A:VAL:HA	1	0.22
(1,1586)	1:240:A:VAL:HG23	1:243:A:LYS:HE2	6	0.22
(1,1583)	1:158:A:LEU:HD13	1:126:A:GLN:HB3	3	0.22
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	3	0.22
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	1	0.22
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	4	0.22
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	17	0.22
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	2	0.22
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	6	0.22
(1,1535)	1:116:A:LEU:HD13	1:136:A:LYS:HD2	11	0.22
(1,1535)	1:116:A:LEU:HD13	1:136:A:LYS:HD2	19	0.22
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	12	0.22
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	8	0.22
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	11	0.22
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	14	0.22
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	2	0.22
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	17	0.22
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	20	0.22
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	7	0.22
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD12	19	0.22
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	1	0.22
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	3	0.22
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	10	0.22
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	11	0.22
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	15	0.22
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	17	0.22
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	20	0.22
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	17	0.22
(1,1214)	1:166:A:GLN:HG2	1:167:A:ASN:H	3	0.22
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD22	18	0.22
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD22	20	0.22
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	2	0.22
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	10	0.22
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	15	0.22
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	20	0.22
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	19	0.22
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	16	0.22
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	18	0.22
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	19	0.22
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG23	1	0.22
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG12	3	0.22
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	12	0.22
(1,1162)	1:102:A:ILE:HB	1:68:A:VAL:HG13	19	0.22
(1,1122)	1:193:A:ASN:HB3	1:193:A:ASN:HD22	19	0.22
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	6	0.22
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	5	0.22
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	10	0.22
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	15	0.22
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	18	0.22
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	7	0.22
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	14	0.22
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	17	0.22
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	3	0.22
(1,966)	1:227:A:PRO:HD3	1:226:A:TYR:HB2	4	0.22
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	3	0.22
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	7	0.22
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	9	0.22
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	7	0.22
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	9	0.22
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	11	0.22
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	15	0.22
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	4	0.22
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	7	0.22
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	13	0.22
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	15	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB2	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	2	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	3	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	9	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	10	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	11	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	14	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	16	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	18	0.22
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	20	0.22
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG23	5	0.22
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG21	9	0.22
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	10	0.22
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	5	0.22
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	8	0.22
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	16	0.22
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	20	0.22
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB1	15	0.22
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	7	0.22
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	9	0.22
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	20	0.22
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	4	0.22
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	15	0.22
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	9	0.22
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	15	0.22
(1,612)	1:41:A:SER:H	1:67:A:LEU:HA	5	0.22
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB2	2	0.22
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB2	14	0.22
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	15	0.22
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	2	0.22
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	5	0.22
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	7	0.22
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	11	0.22
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	17	0.22
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	10	0.22
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	18	0.22
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	6	0.22
(1,550)	1:176:A:SER:HB2	1:205:A:TRP:HZ2	14	0.22
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	9	0.22
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	9	0.22
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	16	0.22
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	19	0.22
(1,521)	1:175:A:LEU:HD23	1:202:A:GLN:HB3	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	2	0.22
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	8	0.22
(1,500)	1:116:A:LEU:HD12	1:100:A:VAL:HA	18	0.22
(1,496)	1:219:A:ILE:HG23	1:243:A:LYS:HE3	11	0.22
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	14	0.22
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	18	0.22
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	9	0.22
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	10	0.22
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	12	0.22
(1,480)	1:107:A:LYS:HD3	1:107:A:LYS:HE3	20	0.22
(1,464)	1:33:A:MET:HE3	1:62:A:LEU:HD22	2	0.22
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	6	0.22
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	8	0.22
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	20	0.22
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	4	0.22
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	12	0.22
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	14	0.22
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	1	0.22
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	10	0.22
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	11	0.22
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	13	0.22
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	14	0.22
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	18	0.22
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	19	0.22
(1,375)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	18	0.22
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	19	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	2	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB1	3	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB2	5	0.22
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	19	0.22
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	8	0.22
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	15	0.22
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	18	0.22
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	5	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	1	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	3	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	5	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	8	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	9	0.22
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	10	0.22
(1,276)	1:102:A:ILE:HB	1:100:A:VAL:H	4	0.22
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,271)	1:54:A:ASP:HB2	1:55:A:THR:HA	14	0.22
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	19	0.22
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	8	0.22
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	9	0.22
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	3	0.22
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	13	0.22
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	18	0.22
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	1	0.22
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	1	0.22
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	11	0.22
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	13	0.22
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	16	0.22
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	18	0.22
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	19	0.22
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	2	0.22
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	1	0.21
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB1	4	0.21
(1,5769)	1:36:A:THR:H	1:34:A:GLN:H	15	0.21
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	3	0.21
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	10	0.21
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	18	0.21
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	20	0.21
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	1	0.21
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	3	0.21
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD12	3	0.21
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	7	0.21
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	3	0.21
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	4	0.21
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	11	0.21
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	20	0.21
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	2	0.21
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	3	0.21
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	18	0.21
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG23	4	0.21
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	17	0.21
(1,5328)	1:35:A:GLY:H	1:36:A:THR:HG22	7	0.21
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	6	0.21
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	1	0.21
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	4	0.21
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	14	0.21
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	4	0.21
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	10	0.21
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	15	0.21
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	18	0.21
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG23	6	0.21
(1,5172)	1:207:A:ASP:H	1:204:A:VAL:HG21	18	0.21
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB3	1	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	2	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	3	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	4	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	10	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	13	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	16	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	18	0.21
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	19	0.21
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	10	0.21
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	12	0.21
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	18	0.21
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	19	0.21
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	15	0.21
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	1	0.21
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	7	0.21
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	13	0.21
(1,4922)	1:193:A:ASN:H	1:193:A:ASN:HB3	11	0.21
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD12	7	0.21
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD11	10	0.21
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	9	0.21
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	9	0.21
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	11	0.21
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	14	0.21
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	20	0.21
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD13	11	0.21
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	11	0.21
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	16	0.21
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	15	0.21
(1,4772)	1:167:A:ASN:H	1:159:A:LEU:HD22	3	0.21
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB1	2	0.21
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	12	0.21
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	1	0.21
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	1	0.21
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	11	0.21
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	5	0.21
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	18	0.21
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	5	0.21
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	15	0.21
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	12	0.21
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	16	0.21
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	11	0.21
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	13	0.21
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	15	0.21
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	4	0.21
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	2	0.21
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	7	0.21
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	15	0.21
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	20	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	1	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	2	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	3	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	4	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	5	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	6	0.21
(1,4371)	1:32:A:TYR:HE2	1:32:A:TYR:HD2	7	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	8	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	9	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	10	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	11	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	12	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	13	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	16	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	17	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	18	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	19	0.21
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	20	0.21
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	15	0.21
(1,4269)	1:163:A:GLU:HG3	1:166:A:GLN:HE21	13	0.21
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	2	0.21
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	7	0.21
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	13	0.21
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	20	0.21
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	10	0.21
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	11	0.21
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	1	0.21
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	15	0.21
(1,4197)	1:150:A:ARG:HD3	1:195:A:LEU:HD21	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	4	0.21
(1,4181)	1:62:A:LEU:HD11	1:62:A:LEU:HB3	4	0.21
(1,4153)	1:103:A:LYS:HG2	1:102:A:ILE:HD12	18	0.21
(1,4091)	1:67:A:LEU:HD22	1:67:A:LEU:HD11	1	0.21
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD12	4	0.21
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD23	6	0.21
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	4	0.21
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	10	0.21
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	13	0.21
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	20	0.21
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	15	0.21
(1,4042)	1:61:A:LEU:HD13	1:91:A:GLN:HG3	3	0.21
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	15	0.21
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	18	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD12	4	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	5	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	12	0.21
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD12	20	0.21
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	1	0.21
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	7	0.21
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	18	0.21
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	4	0.21
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	6	0.21
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	17	0.21
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	13	0.21
(1,3938)	1:97:A:LEU:HD21	1:132:A:TYR:HD2	3	0.21
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	3	0.21
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	13	0.21
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	5	0.21
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	17	0.21
(1,3811)	1:33:A:MET:HE2	1:62:A:LEU:HD12	15	0.21
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD21	6	0.21
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	12	0.21
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	7	0.21
(1,3785)	1:152:A:LEU:HD23	1:171:A:THR:HB	9	0.21
(1,3785)	1:152:A:LEU:HD23	1:171:A:THR:HB	13	0.21
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	17	0.21
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB2	6	0.21
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	7	0.21
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD12	8	0.21
(1,3738)	1:164:A:LYS:HG2	1:168:A:ILE:HD11	11	0.21
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD11	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	12	0.21
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	8	0.21
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	1	0.21
(1,3714)	1:146:A:ILE:HG22	1:150:A:ARG:H	15	0.21
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	17	0.21
(1,3706)	1:31:A:ALA:HB2	1:32:A:TYR:HD2	17	0.21
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG21	6	0.21
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG22	2	0.21
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	3	0.21
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG22	6	0.21
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG23	8	0.21
(1,3671)	1:240:A:VAL:HB	1:240:A:VAL:HG21	13	0.21
(1,3670)	1:98:A:LEU:HD23	1:65:A:ARG:H	6	0.21
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	7	0.21
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	8	0.21
(1,3666)	1:126:A:GLN:HA	1:158:A:LEU:HD11	12	0.21
(1,3645)	1:195:A:LEU:HD11	1:192:A:GLU:HA	4	0.21
(1,3645)	1:195:A:LEU:HD11	1:192:A:GLU:HA	6	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	1	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	2	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	4	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD22	6	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	9	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	10	0.21
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	20	0.21
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD21	9	0.21
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD23	15	0.21
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	4	0.21
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	15	0.21
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	16	0.21
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	7	0.21
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	9	0.21
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	18	0.21
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	7	0.21
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	19	0.21
(1,3594)	1:115:A:LEU:HD13	1:100:A:VAL:HG23	16	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	1	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	2	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	4	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	6	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	8	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	12	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	14	0.21
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	15	0.21
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	17	0.21
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	8	0.21
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	1	0.21
(1,3488)	1:121:A:PRO:HB2	1:124:A:LEU:HD11	14	0.21
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	9	0.21
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	13	0.21
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	1	0.21
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	6	0.21
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	9	0.21
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	16	0.21
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	17	0.21
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	2	0.21
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	1	0.21
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD13	4	0.21
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	19	0.21
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB1	8	0.21
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD11	3	0.21
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD13	15	0.21
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB3	6	0.21
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	1	0.21
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	3	0.21
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	19	0.21
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	2	0.21
(1,3361)	1:53:A:ASP:HB3	1:21:A:MET:HB2	18	0.21
(1,3337)	1:72:A:LYS:HE2	1:72:A:LYS:HG3	19	0.21
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	4	0.21
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	11	0.21
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	19	0.21
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	20	0.21
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	4	0.21
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	6	0.21
(1,3212)	1:224:A:LYS:H	1:221:A:ASP:HA	8	0.21
(1,3191)	1:224:A:LYS:HA	1:223:A:GLN:H	5	0.21
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	3	0.21
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	15	0.21
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	20	0.21
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	10	0.21
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	17	0.21
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	13	0.21
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	15	0.21
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	16	0.21
(1,3062)	1:183:A:ALA:H	1:178:A:MET:HE1	9	0.21
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG23	14	0.21
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD11	8	0.21
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB2	4	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB2	6	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB1	10	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB1	12	0.21
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB3	17	0.21
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG12	14	0.21
(1,2952)	1:57:A:ILE:HD13	1:84:A:PRO:HG2	17	0.21
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	6	0.21
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	11	0.21
(1,2942)	1:83:A:LEU:HD21	1:57:A:ILE:HA	13	0.21
(1,2935)	1:83:A:LEU:HD23	1:98:A:LEU:HB2	9	0.21
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	8	0.21
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	11	0.21
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD13	13	0.21
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	17	0.21
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	8	0.21
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	13	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	1	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	13	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	14	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	16	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	17	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	18	0.21
(1,2899)	1:221:A:ASP:HB3	1:221:A:ASP:HA	20	0.21
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	19	0.21
(1,2873)	1:219:A:ILE:HG22	1:216:A:LYS:HA	7	0.21
(1,2873)	1:219:A:ILE:HG21	1:216:A:LYS:HA	14	0.21
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	3	0.21
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	2	0.21
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	4	0.21
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	8	0.21
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	12	0.21
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	16	0.21
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG23	5	0.21
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	5	0.21
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB1	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	2	0.21
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	10	0.21
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	12	0.21
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	3	0.21
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	6	0.21
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB2	9	0.21
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	10	0.21
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB2	14	0.21
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB1	20	0.21
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	7	0.21
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	13	0.21
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	15	0.21
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	19	0.21
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD11	15	0.21
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	12	0.21
(1,2757)	1:62:A:LEU:HD12	1:65:A:ARG:HD3	16	0.21
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB3	7	0.21
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	6	0.21
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG21	2	0.21
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG23	11	0.21
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG22	13	0.21
(1,2686)	1:219:A:ILE:HD11	1:219:A:ILE:HG22	16	0.21
(1,2662)	1:183:A:ALA:HB1	1:175:A:LEU:HD13	10	0.21
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	4	0.21
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	9	0.21
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	11	0.21
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	12	0.21
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	3	0.21
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD21	9	0.21
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	12	0.21
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	4	0.21
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	7	0.21
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	11	0.21
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD11	13	0.21
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD12	18	0.21
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB1	4	0.21
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB2	12	0.21
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB2	14	0.21
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	5	0.21
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD23	18	0.21
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	19	0.21
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	19	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	13	0.21
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD22	7	0.21
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	6	0.21
(1,2419)	1:95:A:LYS:HD3	1:83:A:LEU:HD13	6	0.21
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	4	0.21
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD22	9	0.21
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	7	0.21
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	1	0.21
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	7	0.21
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	8	0.21
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	19	0.21
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	14	0.21
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG22	6	0.21
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	4	0.21
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	7	0.21
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	10	0.21
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	11	0.21
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	19	0.21
(1,2189)	1:48:A:MET:HE2	1:79:A:LEU:HD12	6	0.21
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD13	15	0.21
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	4	0.21
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	2	0.21
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	11	0.21
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	1	0.21
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	7	0.21
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	15	0.21
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	6	0.21
(1,2022)	1:106:A:GLN:H	1:106:A:GLN:HG2	4	0.21
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD22	12	0.21
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	17	0.21
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	20	0.21
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	3	0.21
(1,1973)	1:146:A:ILE:HD12	1:189:A:ASN:H	14	0.21
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	12	0.21
(1,1966)	1:62:A:LEU:HD13	1:44:A:TYR:HE2	14	0.21
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	3	0.21
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	4	0.21
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	10	0.21
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	13	0.21
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	6	0.21
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	14	0.21
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1831)	1:123:A:ASP:HB3	1:120:A:THR:HG23	7	0.21
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG22	5	0.21
(1,1784)	1:188:A:ILE:HD12	1:192:A:GLU:HA	8	0.21
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	10	0.21
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	11	0.21
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	14	0.21
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	17	0.21
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	13	0.21
(1,1755)	1:64:A:ILE:HD12	1:83:A:LEU:H	19	0.21
(1,1745)	1:153:A:ILE:HG21	1:156:A:GLU:H	10	0.21
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	12	0.21
(1,1723)	1:130:A:ALA:HB3	1:155:A:GLN:HA	16	0.21
(1,1710)	1:57:A:ILE:HG22	1:91:A:GLN:HE22	4	0.21
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	14	0.21
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	18	0.21
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD22	6	0.21
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD23	13	0.21
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	9	0.21
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	2	0.21
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	3	0.21
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB2	3	0.21
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	9	0.21
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB1	15	0.21
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	17	0.21
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	20	0.21
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	5	0.21
(1,1604)	1:185:A:THR:HG22	1:182:A:GLN:HE21	11	0.21
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	6	0.21
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	15	0.21
(1,1585)	1:158:A:LEU:HD12	1:158:A:LEU:HA	17	0.21
(1,1583)	1:158:A:LEU:HD12	1:126:A:GLN:HB3	2	0.21
(1,1583)	1:158:A:LEU:HD12	1:126:A:GLN:HB3	15	0.21
(1,1583)	1:158:A:LEU:HD13	1:126:A:GLN:HB3	18	0.21
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	19	0.21
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	11	0.21
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	16	0.21
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	14	0.21
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	7	0.21
(1,1535)	1:116:A:LEU:HD13	1:136:A:LYS:HD2	4	0.21
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	8	0.21
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	9	0.21
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	12	0.21
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	14	0.21
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	20	0.21
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	1	0.21
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	2	0.21
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	14	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	1	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	5	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	6	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	7	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	10	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	12	0.21
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	18	0.21
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	9	0.21
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	11	0.21
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	14	0.21
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	8	0.21
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	12	0.21
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	3	0.21
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	8	0.21
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	19	0.21
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	9	0.21
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD11	2	0.21
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	16	0.21
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	17	0.21
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	12	0.21
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	14	0.21
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD13	11	0.21
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	14	0.21
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	6	0.21
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	17	0.21
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	2	0.21
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	8	0.21
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	11	0.21
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	13	0.21
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	15	0.21
(1,1214)	1:166:A:GLN:HG2	1:167:A:ASN:H	15	0.21
(1,1201)	1:78:A:GLU:HG3	1:79:A:LEU:HD23	1	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	1	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	3	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	4	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	7	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	9	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	11	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	12	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	17	0.21
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	19	0.21
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	4	0.21
(1,1122)	1:193:A:ASN:HB3	1:193:A:ASN:HD22	16	0.21
(1,1117)	1:193:A:ASN:HB2	1:193:A:ASN:HD21	2	0.21
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	6	0.21
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	12	0.21
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	13	0.21
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	3	0.21
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	11	0.21
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	4	0.21
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	6	0.21
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	12	0.21
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	5	0.21
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	5	0.21
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	8	0.21
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	11	0.21
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	19	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	2	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	3	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	5	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	6	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	8	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	10	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	12	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	16	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	17	0.21
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	18	0.21
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	9	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	1	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	2	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	3	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	4	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	6	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	9	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	10	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	11	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	14	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	15	0.21
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	16	0.21
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	17	0.21
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	10	0.21
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	1	0.21
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	3	0.21
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	11	0.21
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	17	0.21
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG21	7	0.21
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	11	0.21
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	16	0.21
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	18	0.21
(1,689)	1:52:A:SER:HB2	1:53:A:ASP:HB3	17	0.21
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	5	0.21
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	9	0.21
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	15	0.21
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	9	0.21
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	18	0.21
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	4	0.21
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	18	0.21
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	18	0.21
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	11	0.21
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	11	0.21
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	20	0.21
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	5	0.21
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	9	0.21
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	12	0.21
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	13	0.21
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	4	0.21
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	8	0.21
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	15	0.21
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	19	0.21
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	20	0.21
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	4	0.21
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	8	0.21
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	18	0.21
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	10	0.21
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	12	0.21
(1,509)	1:203:A:ARG:HD2	1:202:A:GLN:HB2	18	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	1	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	3	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	4	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	5	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	6	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	7	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	8	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	9	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	10	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	11	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	12	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	13	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	14	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	15	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	16	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	17	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	18	0.21
(1,503)	1:20:A:HIS:HB2	1:20:A:HIS:HB3	19	0.21
(1,503)	1:24:A:HIS:HB3	1:24:A:HIS:HB2	20	0.21
(1,500)	1:116:A:LEU:HD13	1:100:A:VAL:HA	16	0.21
(1,489)	1:181:A:GLU:HG2	1:181:A:GLU:HB3	13	0.21
(1,479)	1:107:A:LYS:HE3	1:107:A:LYS:HD2	8	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	1	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	2	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	3	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	4	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	5	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	7	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	10	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	12	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	14	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	15	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	16	0.21
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	19	0.21
(1,458)	1:105:A:ALA:HB2	1:107:A:LYS:HE3	16	0.21
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	2	0.21
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	5	0.21
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	10	0.21
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	11	0.21
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	7	0.21
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	10	0.21
(1,431)	1:216:A:LYS:HD3	1:216:A:LYS:HE2	5	0.21
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	1	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	2	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	4	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	5	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	6	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	7	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	8	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	9	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	12	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	17	0.21
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	20	0.21
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	9	0.21
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	1	0.21
(1,375)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	17	0.21
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	7	0.21
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB1	8	0.21
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	3	0.21
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	6	0.21
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	12	0.21
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	14	0.21
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	18	0.21
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	9	0.21
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	7	0.21
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	8	0.21
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	8	0.21
(1,290)	1:16:A:PRO:HB2	1:16:A:PRO:HG2	15	0.21
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	13	0.21
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	20	0.21
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	4	0.21
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	3	0.21
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	7	0.21
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	20	0.21
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	6	0.2
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	11	0.2
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	15	0.2
(1,5801)	1:132:A:TYR:H	1:124:A:LEU:HD13	16	0.2
(1,5769)	1:36:A:THR:H	1:34:A:GLN:H	17	0.2
(1,5769)	1:36:A:THR:H	1:34:A:GLN:H	18	0.2
(1,5752)	1:166:A:GLN:H	1:168:A:ILE:HG13	9	0.2
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	1	0.2
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	17	0.2
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	5	0.2
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	10	0.2
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	12	0.2
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	6	0.2
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	12	0.2
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	4	0.2
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	13	0.2
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	5	0.2
(1,5338)	1:231:A:GLY:H	1:230:A:PRO:HB3	14	0.2
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	16	0.2
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	2	0.2
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	6	0.2
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	11	0.2
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	12	0.2
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	13	0.2
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	13	0.2
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	16	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	2	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	5	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	6	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	13	0.2
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	14	0.2
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	7	0.2
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	8	0.2
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	9	0.2
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	15	0.2
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	17	0.2
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	20	0.2
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	11	0.2
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	4	0.2
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	6	0.2
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	17	0.2
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	11	0.2
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	10	0.2
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	17	0.2
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB1	4	0.2
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB2	18	0.2
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	1	0.2
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	12	0.2
(1,4891)	1:242:A:VAL:H	1:219:A:ILE:HD12	6	0.2
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	2	0.2
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	19	0.2
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG23	1	0.2
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	19	0.2
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	5	0.2
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	10	0.2
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	16	0.2
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD13	8	0.2
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	4	0.2
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	8	0.2
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	11	0.2
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	20	0.2
(1,4687)	1:90:A:ALA:H	1:90:A:ALA:HB3	9	0.2
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	18	0.2
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	7	0.2
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	11	0.2
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	18	0.2
(1,4562)	1:109:A:PHE:HD1	1:141:A:GLN:HE21	19	0.2
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	19	0.2
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	1	0.2
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	8	0.2
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	10	0.2
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	16	0.2
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	9	0.2
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	12	0.2
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	11	0.2
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	9	0.2
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	7	0.2
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	9	0.2
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	12	0.2
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	14	0.2
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	4	0.2
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	14	0.2
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	18	0.2
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	7	0.2
(1,4434)	1:37:A:ALA:HB3	1:32:A:TYR:HE1	11	0.2
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	3	0.2
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	17	0.2
(1,4402)	1:43:A:PHE:HD2	1:62:A:LEU:HD23	15	0.2
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	14	0.2
(1,4371)	1:32:A:TYR:HE1	1:32:A:TYR:HD1	15	0.2
(1,4294)	1:46:A:GLN:HB2	1:47:A:GLN:HE21	19	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	4	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	5	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	8	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	9	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	12	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	14	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	16	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	18	0.2
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	19	0.2
(1,4265)	1:238:A:GLN:HG2	1:238:A:GLN:HE22	17	0.2
(1,4250)	1:239:A:LEU:HD22	1:172:A:TRP:HD1	11	0.2
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	19	0.2
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	8	0.2
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	11	0.2
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD23	19	0.2
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD13	11	0.2
(1,4152)	1:103:A:LYS:HG3	1:102:A:ILE:HD12	19	0.2
(1,4091)	1:67:A:LEU:HD22	1:67:A:LEU:HD11	16	0.2
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	13	0.2
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	16	0.2
(1,4042)	1:61:A:LEU:HD12	1:91:A:GLN:HG3	4	0.2
(1,4042)	1:61:A:LEU:HD13	1:91:A:GLN:HG3	20	0.2
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	18	0.2
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	6	0.2
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	9	0.2
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	15	0.2
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD11	19	0.2
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	2	0.2
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	5	0.2
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	10	0.2
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	12	0.2
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	15	0.2
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	19	0.2
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	12	0.2
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	1	0.2
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	2	0.2
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	6	0.2
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	13	0.2
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	12	0.2
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	5	0.2
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	17	0.2
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	4	0.2
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	18	0.2
(1,3806)	1:67:A:LEU:HD13	1:79:A:LEU:HD21	4	0.2
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	5	0.2
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD21	16	0.2
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD23	18	0.2
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	2	0.2
(1,3805)	1:67:A:LEU:HD13	1:67:A:LEU:HB2	11	0.2
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	14	0.2
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	15	0.2
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB2	1	0.2
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	6	0.2
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	13	0.2
(1,3761)	1:159:A:LEU:HD11	1:163:A:GLU:H	17	0.2
(1,3747)	1:52:A:SER:HA	1:17:A:ARG:HB2	13	0.2
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	1	0.2
(1,3719)	1:33:A:MET:HE2	1:33:A:MET:HG3	8	0.2
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	11	0.2
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	19	0.2
(1,3706)	1:31:A:ALA:HB1	1:32:A:TYR:HD2	12	0.2
(1,3706)	1:31:A:ALA:HB3	1:32:A:TYR:HD2	19	0.2
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD13	4	0.2
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD11	7	0.2
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	10	0.2
(1,3647)	1:62:A:LEU:HD13	1:66:A:ALA:H	13	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD22	5	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	11	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	12	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	15	0.2
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD22	17	0.2
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	5	0.2
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	8	0.2
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	13	0.2
(1,3621)	1:79:A:LEU:HG	1:79:A:LEU:HD22	16	0.2
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	3	0.2
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	5	0.2
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	7	0.2
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	9	0.2
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	11	0.2
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	13	0.2
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	3	0.2
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	18	0.2
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG23	17	0.2
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD12	3	0.2
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	9	0.2
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	20	0.2
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	7	0.2
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	15	0.2
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB3	15	0.2
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD12	20	0.2
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	2	0.2
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	8	0.2
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	10	0.2
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	11	0.2
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	14	0.2
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	5	0.2
(1,3456)	1:227:A:PRO:HB3	1:227:A:PRO:HD2	13	0.2
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	8	0.2
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	9	0.2
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD13	11	0.2
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	13	0.2
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	6	0.2
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	10	0.2
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	14	0.2
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	17	0.2
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	6	0.2
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	17	0.2
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	7	0.2
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	14	0.2
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	1	0.2
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	7	0.2
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	12	0.2
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	18	0.2
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	20	0.2
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	4	0.2
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	8	0.2
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	17	0.2
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	4	0.2
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	1	0.2
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	2	0.2
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	4	0.2
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	8	0.2
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	18	0.2
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	11	0.2
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	14	0.2
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	6	0.2
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	11	0.2
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	18	0.2
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	19	0.2
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	20	0.2
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB3	5	0.2
(1,2961)	1:199:A:LEU:HD22	1:183:A:ALA:HB2	15	0.2
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB1	16	0.2
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG13	20	0.2
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	7	0.2
(1,2952)	1:57:A:ILE:HD11	1:84:A:PRO:HG2	14	0.2
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	2	0.2
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	7	0.2
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	14	0.2
(1,2922)	1:83:A:LEU:H	1:83:A:LEU:HD12	6	0.2
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	10	0.2
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	2	0.2
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	4	0.2
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	6	0.2
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	10	0.2
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	14	0.2
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	8	0.2
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	13	0.2
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	18	0.2
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	20	0.2
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	11	0.2
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	17	0.2
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	5	0.2
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	7	0.2
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	9	0.2
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	15	0.2
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	18	0.2
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	20	0.2
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG23	19	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	1	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB1	6	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB1	7	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	8	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	12	0.2
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	20	0.2
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	18	0.2
(1,2810)	1:136:A:LYS:HB3	1:136:A:LYS:HE2	20	0.2
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	2	0.2
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	5	0.2
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	11	0.2
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB1	17	0.2
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	3	0.2
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	6	0.2
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	19	0.2
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	6	0.2
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	7	0.2
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	17	0.2
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	18	0.2
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	8	0.2
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	10	0.2
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	5	0.2
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	12	0.2
(1,2686)	1:219:A:ILE:HD12	1:219:A:ILE:HG21	5	0.2
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE2	1	0.2
(1,2618)	1:67:A:LEU:HD21	1:72:A:LYS:HG2	6	0.2
(1,2618)	1:67:A:LEU:HD22	1:72:A:LYS:HG2	16	0.2
(1,2610)	1:235:A:LEU:HB3	1:239:A:LEU:HD13	14	0.2
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB1	1	0.2
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB3	2	0.2
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	1	0.2
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	2	0.2
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	13	0.2
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	16	0.2
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	18	0.2
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	4	0.2
(1,2479)	1:203:A:ARG:HB3	1:200:A:ASP:HA	18	0.2
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	3	0.2
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	6	0.2
(1,2446)	1:175:A:LEU:HD22	1:171:A:THR:HB	9	0.2
(1,2446)	1:175:A:LEU:HD21	1:171:A:THR:HB	14	0.2
(1,2446)	1:175:A:LEU:HD21	1:171:A:THR:HB	20	0.2
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD21	1	0.2
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	11	0.2
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG21	15	0.2
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG22	7	0.2
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	11	0.2
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	17	0.2
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	5	0.2
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	15	0.2
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	9	0.2
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	12	0.2
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	19	0.2
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	20	0.2
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	2	0.2
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	6	0.2
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	8	0.2
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	11	0.2
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	16	0.2
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	13	0.2
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	14	0.2
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	18	0.2
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	6	0.2
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	14	0.2
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	2	0.2
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	16	0.2
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	17	0.2
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	1	0.2
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	6	0.2
(1,2189)	1:48:A:MET:HE3	1:79:A:LEU:HD12	18	0.2
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	12	0.2
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	5	0.2
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	5	0.2
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	10	0.2
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	14	0.2
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	17	0.2
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	18	0.2
(1,2068)	1:218:A:GLY:HA2	1:215:A:MET:HE3	6	0.2
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	2	0.2
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	7	0.2
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	9	0.2
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	18	0.2
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD23	19	0.2
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	11	0.2
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	14	0.2
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	11	0.2
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	15	0.2
(1,1784)	1:188:A:ILE:HD12	1:192:A:GLU:HA	12	0.2
(1,1781)	1:137:A:ILE:HD12	1:136:A:LYS:HB3	3	0.2
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	5	0.2
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	8	0.2
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	9	0.2
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	14	0.2
(1,1723)	1:130:A:ALA:HB1	1:155:A:GLN:HA	14	0.2
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD22	2	0.2
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD21	8	0.2
(1,1669)	1:31:A:ALA:HB2	1:37:A:ALA:H	15	0.2
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	4	0.2
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	7	0.2
(1,1665)	1:42:A:ALA:HB1	1:40:A:ASP:HB2	8	0.2
(1,1665)	1:42:A:ALA:HB2	1:40:A:ASP:HB2	18	0.2
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	4	0.2
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	16	0.2
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	17	0.2
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	2	0.2
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	19	0.2
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB2	7	0.2
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	3	0.2
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	15	0.2
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	18	0.2
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	11	0.2
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	14	0.2
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	19	0.2
(1,1608)	1:242:A:VAL:HG23	1:242:A:VAL:HA	20	0.2
(1,1602)	1:30:A:THR:HG23	1:34:A:GLN:HE22	18	0.2
(1,1587)	1:240:A:VAL:HG21	1:240:A:VAL:HA	4	0.2
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	7	0.2
(1,1587)	1:240:A:VAL:HG23	1:240:A:VAL:HA	12	0.2
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	13	0.2
(1,1587)	1:240:A:VAL:HG23	1:240:A:VAL:HA	20	0.2
(1,1586)	1:240:A:VAL:HG21	1:243:A:LYS:HE2	19	0.2
(1,1585)	1:158:A:LEU:HD12	1:158:A:LEU:HA	2	0.2
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	7	0.2
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	6	0.2
(1,1583)	1:158:A:LEU:HD13	1:126:A:GLN:HB3	12	0.2
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG22	7	0.2
(1,1577)	1:204:A:VAL:HG11	1:204:A:VAL:HG21	8	0.2
(1,1577)	1:204:A:VAL:HG11	1:204:A:VAL:HG21	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	7	0.2
(1,1568)	1:73:A:THR:HG23	1:105:A:ALA:HB1	5	0.2
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	3	0.2
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	15	0.2
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	16	0.2
(1,1535)	1:116:A:LEU:HD12	1:136:A:LYS:HD2	7	0.2
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	15	0.2
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	17	0.2
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	9	0.2
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	16	0.2
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	19	0.2
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	12	0.2
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	17	0.2
(1,1468)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	11	0.2
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD22	6	0.2
(1,1435)	1:98:A:LEU:HD12	1:65:A:ARG:HA	8	0.2
(1,1435)	1:98:A:LEU:HD11	1:65:A:ARG:HA	17	0.2
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	11	0.2
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	19	0.2
(1,1357)	1:223:A:GLN:HB2	1:224:A:LYS:H	5	0.2
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	7	0.2
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	14	0.2
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	15	0.2
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	3	0.2
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	6	0.2
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	16	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	1	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	2	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	3	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	4	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	5	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	7	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	8	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	19	0.2
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	20	0.2
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	3	0.2
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	13	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	1	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	5	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	6	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	7	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	16	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	18	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	19	0.2
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	20	0.2
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	6	0.2
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	13	0.2
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	14	0.2
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	18	0.2
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	15	0.2
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	1	0.2
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG23	6	0.2
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	16	0.2
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	20	0.2
(1,1123)	1:193:A:ASN:HB3	1:194:A:ILE:HG12	16	0.2
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	2	0.2
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	9	0.2
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	17	0.2
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	7	0.2
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	7	0.2
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	13	0.2
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	15	0.2
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	16	0.2
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	1	0.2
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG22	5	0.2
(1,962)	1:83:A:LEU:H	1:84:A:PRO:HD2	20	0.2
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	2	0.2
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	6	0.2
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	20	0.2
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	13	0.2
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	14	0.2
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	19	0.2
(1,945)	1:26:A:PRO:HD3	1:26:A:PRO:HB2	20	0.2
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG11	20	0.2
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	4	0.2
(1,929)	1:244:A:ALA:HA	1:243:A:LYS:HB2	11	0.2
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	15	0.2
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD23	4	0.2
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	13	0.2
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	7	0.2
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB3	8	0.2
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	12	0.2
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	19	0.2
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB1	6	0.2
(1,910)	1:217:A:ALA:HA	1:217:A:ALA:HB3	19	0.2
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	8	0.2
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	11	0.2
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	13	0.2
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	15	0.2
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	12	0.2
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	3	0.2
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	12	0.2
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	13	0.2
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD21	1	0.2
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	10	0.2
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	18	0.2
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	17	0.2
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	8	0.2
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	11	0.2
(1,641)	1:214:A:MET:H	1:214:A:MET:HG3	20	0.2
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	2	0.2
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	17	0.2
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	3	0.2
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	11	0.2
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	12	0.2
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	19	0.2
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB2	7	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	1	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	4	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	9	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	10	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	12	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	13	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	14	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	16	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	17	0.2
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	20	0.2
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	2	0.2
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	10	0.2
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	2	0.2
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE3	6	0.2
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	1	0.2
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	3	0.2
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	12	0.2
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	2	0.2
(1,489)	1:181:A:GLU:HG2	1:181:A:GLU:HB3	9	0.2
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	5	0.2
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	6	0.2
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	17	0.2
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	9	0.2
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	11	0.2
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	13	0.2
(1,460)	1:212:A:PRO:HB2	1:212:A:PRO:HA	18	0.2
(1,458)	1:105:A:ALA:HB2	1:107:A:LYS:HE3	2	0.2
(1,458)	1:105:A:ALA:HB2	1:107:A:LYS:HE3	14	0.2
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	13	0.2
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	2	0.2
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	4	0.2
(1,433)	1:162:A:LYS:HE3	1:162:A:LYS:HD2	15	0.2
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	2	0.2
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE2	7	0.2
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	10	0.2
(1,414)	1:136:A:LYS:HD2	1:136:A:LYS:HG2	15	0.2
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	10	0.2
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	4	0.2
(1,375)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	13	0.2
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	1	0.2
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	2	0.2
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	5	0.2
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	11	0.2
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	13	0.2
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	17	0.2
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	19	0.2
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	10	0.2
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	18	0.2
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	7	0.2
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	11	0.2
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	9	0.2
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	10	0.2
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	2	0.2
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	5	0.2
(1,245)	1:76:A:ALA:HA	1:75:A:GLN:HB3	8	0.2
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	14	0.2
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	19	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	2	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	4	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	5	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	6	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	9	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	10	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	11	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	12	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	13	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	14	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	15	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	16	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	17	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	18	0.2
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	20	0.2
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	8	0.19
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	10	0.19
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	3	0.19
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG22	5	0.19
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	16	0.19
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	20	0.19
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	8	0.19
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	13	0.19
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	6	0.19
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	20	0.19
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	1	0.19
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	2	0.19
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	15	0.19
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	16	0.19
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	19	0.19
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	9	0.19
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	17	0.19
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	19	0.19
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	16	0.19
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	6	0.19
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	10	0.19
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	15	0.19
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	17	0.19
(1,5284)	1:22:A:GLY:H	1:21:A:MET:HB3	7	0.19
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	9	0.19
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	20	0.19
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB2	1	0.19
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	8	0.19
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	16	0.19
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	17	0.19
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	9	0.19
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	5	0.19
(1,5162)	1:141:A:GLN:H	1:139:A:ALA:H	12	0.19
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	1	0.19
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	6	0.19
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	7	0.19
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	10	0.19
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	14	0.19
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	14	0.19
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	3	0.19
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD22	5	0.19
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	7	0.19
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	10	0.19
(1,5044)	1:136:A:LYS:H	1:100:A:VAL:HG13	11	0.19
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	18	0.19
(1,5013)	1:68:A:VAL:H	1:76:A:ALA:HB3	6	0.19
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	6	0.19
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	9	0.19
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	16	0.19
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB3	18	0.19
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG23	8	0.19
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	5	0.19
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	1	0.19
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	11	0.19
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	14	0.19
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	11	0.19
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	18	0.19
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	1	0.19
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	3	0.19
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	15	0.19
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	1	0.19
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	20	0.19
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	8	0.19
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	19	0.19
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	15	0.19
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD13	17	0.19
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD11	18	0.19
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	11	0.19
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	14	0.19
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	18	0.19
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	7	0.19
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	19	0.19
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	16	0.19
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	3	0.19
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	11	0.19
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	17	0.19
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	6	0.19
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	20	0.19
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	3	0.19
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	14	0.19
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	19	0.19
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	1	0.19
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	7	0.19
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	12	0.19
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	19	0.19
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	11	0.19
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	14	0.19
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	18	0.19
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	8	0.19
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	1	0.19
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	16	0.19
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	1	0.19
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	5	0.19
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	12	0.19
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	18	0.19
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	16	0.19
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	16	0.19
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	18	0.19
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	7	0.19
(1,4309)	1:83:A:LEU:HD13	1:60:A:GLN:HE22	13	0.19
(1,4303)	1:54:A:ASP:HB3	1:91:A:GLN:HE22	6	0.19
(1,4282)	1:59:A:TRP:HE1	1:51:A:SER:HB2	19	0.19
(1,4266)	1:238:A:GLN:HG3	1:238:A:GLN:HE22	3	0.19
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	7	0.19
(1,4222)	1:188:A:ILE:HG22	1:196:A:GLN:HE22	1	0.19
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	9	0.19
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	10	0.19
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	13	0.19
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	20	0.19
(1,4153)	1:103:A:LYS:HG2	1:102:A:ILE:HD11	4	0.19
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD13	13	0.19
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD13	18	0.19
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD22	20	0.19
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	4	0.19
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD21	5	0.19
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	18	0.19
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	9	0.19
(1,4077)	1:202:A:GLN:HG3	1:199:A:LEU:HA	15	0.19
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	3	0.19
(1,4042)	1:61:A:LEU:HD12	1:91:A:GLN:HG3	9	0.19
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	6	0.19
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	9	0.19
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	10	0.19
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	11	0.19
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	15	0.19
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	3	0.19
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	5	0.19
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	14	0.19
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	20	0.19
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	14	0.19
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	11	0.19
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	20	0.19
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	5	0.19
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	20	0.19
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	13	0.19
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	19	0.19
(1,3806)	1:67:A:LEU:HD12	1:79:A:LEU:HD22	19	0.19
(1,3805)	1:67:A:LEU:HD11	1:67:A:LEU:HB2	8	0.19
(1,3805)	1:67:A:LEU:HD11	1:67:A:LEU:HB2	9	0.19
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	10	0.19
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	19	0.19
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	2	0.19
(1,3762)	1:57:A:ILE:HG22	1:83:A:LEU:HA	2	0.19
(1,3760)	1:66:A:ALA:HB3	1:70:A:GLU:HG3	6	0.19
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	18	0.19
(1,3719)	1:33:A:MET:HE2	1:33:A:MET:HG3	3	0.19
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	4	0.19
(1,3719)	1:33:A:MET:HE2	1:33:A:MET:HG3	20	0.19
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	4	0.19
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	14	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG22	5	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG22	8	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG23	9	0.19
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG21	13	0.19
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG21	6	0.19
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	13	0.19
(1,3670)	1:98:A:LEU:HD23	1:65:A:ARG:H	12	0.19
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD11	5	0.19
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD13	16	0.19
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	8	0.19
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD21	14	0.19
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	19	0.19
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	12	0.19
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	10	0.19
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	2	0.19
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	4	0.19
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	6	0.19
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	6	0.19
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	9	0.19
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	14	0.19
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	20	0.19
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	2	0.19
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	10	0.19
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	9	0.19
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	13	0.19
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	16	0.19
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	13	0.19
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	19	0.19
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB1	6	0.19
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD11	10	0.19
(1,3463)	1:157:A:PRO:HD3	1:158:A:LEU:HD13	11	0.19
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	7	0.19
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	17	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	1	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	2	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	4	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	5	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	7	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	8	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	9	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	12	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	13	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	15	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	16	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	18	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	19	0.19
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	20	0.19
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	10	0.19
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	2	0.19
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB2	17	0.19
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	2	0.19
(1,3360)	1:123:A:ASP:HB3	1:124:A:LEU:HD22	8	0.19
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	2	0.19
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	13	0.19
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	10	0.19
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	17	0.19
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	16	0.19
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	2	0.19
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	4	0.19
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	2	0.19
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	1	0.19
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	14	0.19
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	14	0.19
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	13	0.19
(1,3128)	1:29:A:SER:HB3	1:62:A:LEU:HD23	19	0.19
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	8	0.19
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	1	0.19
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	5	0.19
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	17	0.19
(1,3095)	1:230:A:PRO:HA	1:233:A:LYS:HG3	5	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	5	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	6	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	9	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	10	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	11	0.19
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	20	0.19
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	4	0.19
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	5	0.19
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	9	0.19
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	12	0.19
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	18	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	4	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	5	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	8	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	9	0.19
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB3	15	0.19
(1,3042)	1:26:A:PRO:HB3	1:30:A:THR:HG21	10	0.19
(1,2967)	1:158:A:LEU:HD22	1:159:A:LEU:HG	12	0.19
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB3	8	0.19
(1,2952)	1:57:A:ILE:HD11	1:84:A:PRO:HG2	3	0.19
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	8	0.19
(1,2952)	1:57:A:ILE:HD11	1:84:A:PRO:HG2	12	0.19
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	15	0.19
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	7	0.19
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD11	12	0.19
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	15	0.19
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	20	0.19
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	3	0.19
(1,2914)	1:194:A:ILE:HA	1:193:A:ASN:HB2	9	0.19
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	7	0.19
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	12	0.19
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	15	0.19
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	19	0.19
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	16	0.19
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	2	0.19
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	4	0.19
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	6	0.19
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	11	0.19
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	19	0.19
(1,2873)	1:219:A:ILE:HG21	1:216:A:LYS:HA	4	0.19
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	11	0.19
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD22	12	0.19
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	3	0.19
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	5	0.19
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	3	0.19
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG23	7	0.19
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	9	0.19
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB2	10	0.19
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	17	0.19
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	18	0.19
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	3	0.19
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	4	0.19
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB1	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	5	0.19
(1,2776)	1:97:A:LEU:HD13	1:98:A:LEU:HA	10	0.19
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	14	0.19
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	15	0.19
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	16	0.19
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	20	0.19
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	8	0.19
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	10	0.19
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD13	16	0.19
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	17	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	1	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	2	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	4	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	5	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	13	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	14	0.19
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	17	0.19
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	1	0.19
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	16	0.19
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	2	0.19
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	7	0.19
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	7	0.19
(1,2704)	1:194:A:ILE:HD13	1:230:A:PRO:HG3	11	0.19
(1,2704)	1:194:A:ILE:HD12	1:230:A:PRO:HG3	13	0.19
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	2	0.19
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	15	0.19
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	8	0.19
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	20	0.19
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB1	11	0.19
(1,2575)	1:79:A:LEU:HD13	1:60:A:GLN:HE21	13	0.19
(1,2562)	1:158:A:LEU:HD23	1:158:A:LEU:HD12	8	0.19
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	2	0.19
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	16	0.19
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	6	0.19
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	12	0.19
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	5	0.19
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	9	0.19
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	10	0.19
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	14	0.19
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	15	0.19
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	20	0.19
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	13	0.19
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	5	0.19
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	6	0.19
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	4	0.19
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	12	0.19
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD21	18	0.19
(1,2453)	1:201:A:LEU:HB2	1:175:A:LEU:HD23	20	0.19
(1,2446)	1:175:A:LEU:HD23	1:171:A:THR:HB	15	0.19
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD12	2	0.19
(1,2373)	1:76:A:ALA:HB3	1:102:A:ILE:HD11	8	0.19
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	3	0.19
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	10	0.19
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	16	0.19
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB1	5	0.19
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD11	12	0.19
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD13	14	0.19
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	13	0.19
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	2	0.19
(1,2320)	1:247:A:PRO:HB3	1:249:A:SER:H	6	0.19
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	1	0.19
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	5	0.19
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	7	0.19
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	8	0.19
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	13	0.19
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	18	0.19
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	7	0.19
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	9	0.19
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	10	0.19
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	13	0.19
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	15	0.19
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	18	0.19
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	17	0.19
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	16	0.19
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	13	0.19
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	3	0.19
(1,2201)	1:137:A:ILE:HG22	1:140:A:SER:HB2	9	0.19
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	3	0.19
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	20	0.19
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD11	10	0.19
(1,2190)	1:215:A:MET:HE2	1:219:A:ILE:HD13	13	0.19
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD13	17	0.19
(1,2153)	1:79:A:LEU:HG	1:79:A:LEU:HD12	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	19	0.19
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	17	0.19
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	1	0.19
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	2	0.19
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	4	0.19
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	6	0.19
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	9	0.19
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	14	0.19
(1,1973)	1:146:A:ILE:HD13	1:189:A:ASN:H	7	0.19
(1,1973)	1:146:A:ILE:HD13	1:189:A:ASN:H	13	0.19
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE3	3	0.19
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	6	0.19
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	18	0.19
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	3	0.19
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	5	0.19
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	11	0.19
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	12	0.19
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	14	0.19
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	20	0.19
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	11	0.19
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	16	0.19
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG22	2	0.19
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	2	0.19
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	13	0.19
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	9	0.19
(1,1764)	1:219:A:ILE:HD12	1:239:A:LEU:HA	12	0.19
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	19	0.19
(1,1723)	1:130:A:ALA:HB2	1:155:A:GLN:HA	3	0.19
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	6	0.19
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	9	0.19
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	16	0.19
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	19	0.19
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD21	10	0.19
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD21	20	0.19
(1,1685)	1:135:A:ALA:HB1	1:132:A:TYR:HA	6	0.19
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	9	0.19
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	7	0.19
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	17	0.19
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	18	0.19
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	8	0.19
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB2	2	0.19
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB1	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	11	0.19
(1,1608)	1:242:A:VAL:HG21	1:242:A:VAL:HA	8	0.19
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	19	0.19
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	5	0.19
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	17	0.19
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	5	0.19
(1,1587)	1:240:A:VAL:HG21	1:240:A:VAL:HA	8	0.19
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	9	0.19
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	10	0.19
(1,1587)	1:240:A:VAL:HG21	1:240:A:VAL:HA	11	0.19
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	16	0.19
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	17	0.19
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	20	0.19
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	4	0.19
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	5	0.19
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	9	0.19
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	13	0.19
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	16	0.19
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG21	1	0.19
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	3	0.19
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG21	5	0.19
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG21	12	0.19
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG23	14	0.19
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG21	17	0.19
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	18	0.19
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	2	0.19
(1,1535)	1:116:A:LEU:HD11	1:136:A:LYS:HD2	5	0.19
(1,1532)	1:116:A:LEU:HD13	1:113:A:GLN:HB3	11	0.19
(1,1532)	1:116:A:LEU:HD13	1:113:A:GLN:HB3	19	0.19
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	20	0.19
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	5	0.19
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	6	0.19
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	18	0.19
(1,1513)	1:162:A:LYS:HG3	1:162:A:LYS:H	20	0.19
(1,1468)	1:87:A:LEU:HD21	1:95:A:LYS:HE3	5	0.19
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	12	0.19
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD21	20	0.19
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	4	0.19
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	5	0.19
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	11	0.19
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	13	0.19
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	17	0.19
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	15	0.19
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD11	19	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	9	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	10	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	11	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	12	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	13	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	14	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	15	0.19
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	16	0.19
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	11	0.19
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	14	0.19
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	18	0.19
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	19	0.19
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	4	0.19
(1,1200)	1:78:A:GLU:HG3	1:78:A:GLU:H	8	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	4	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	5	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	10	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	12	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	13	0.19
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	14	0.19
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	20	0.19
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	7	0.19
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	13	0.19
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	18	0.19
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	8	0.19
(1,1118)	1:193:A:ASN:HB2	1:195:A:LEU:H	19	0.19
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD1	11	0.19
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	9	0.19
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD22	15	0.19
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	4	0.19
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	2	0.19
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	4	0.19
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	10	0.19
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	18	0.19
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	19	0.19
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	13	0.19
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	18	0.19
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	14	0.19
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	14	0.19
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	15	0.19
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	10	0.19
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	17	0.19
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	5	0.19
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	8	0.19
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	5	0.19
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB1	20	0.19
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	1	0.19
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	4	0.19
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	7	0.19
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	12	0.19
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	14	0.19
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	3	0.19
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	4	0.19
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	15	0.19
(1,810)	1:238:A:GLN:HA	1:238:A:GLN:HG3	19	0.19
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	4	0.19
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	12	0.19
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	13	0.19
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	18	0.19
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	19	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	3	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	6	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	9	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	13	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	15	0.19
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	19	0.19
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD12	11	0.19
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	6	0.19
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	18	0.19
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	2	0.19
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	11	0.19
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	12	0.19
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	13	0.19
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD23	16	0.19
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	12	0.19
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	5	0.19
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	13	0.19
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA3	3	0.19
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	6	0.19
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	19	0.19
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	18	0.19
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	2	0.19
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	13	0.19
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	4	0.19
(1,550)	1:176:A:SER:HB2	1:205:A:TRP:HZ2	11	0.19
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	3	0.19
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	11	0.19
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	19	0.19
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	8	0.19
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	10	0.19
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	18	0.19
(1,521)	1:175:A:LEU:HD21	1:202:A:GLN:HB3	12	0.19
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB2	10	0.19
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	14	0.19
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	3	0.19
(1,485)	1:162:A:LYS:HB2	1:162:A:LYS:HD3	20	0.19
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	17	0.19
(1,465)	1:189:A:ASN:HB3	1:192:A:GLU:HG3	12	0.19
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD21	6	0.19
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	11	0.19
(1,458)	1:105:A:ALA:HB1	1:107:A:LYS:HE3	3	0.19
(1,458)	1:105:A:ALA:HB3	1:107:A:LYS:HE3	4	0.19
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	3	0.19
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	7	0.19
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	17	0.19
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	19	0.19
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	8	0.19
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	9	0.19
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	1	0.19
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	12	0.19
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	13	0.19
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD12	16	0.19
(1,416)	1:239:A:LEU:HD23	1:239:A:LEU:HD11	17	0.19
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	20	0.19
(1,378)	1:215:A:MET:HG3	1:208:A:ASN:HB2	18	0.19
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	10	0.19
(1,342)	1:146:A:ILE:HD12	1:187:A:VAL:H	4	0.19
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	8	0.19
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	10	0.19
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	1	0.19
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	11	0.19
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	11	0.19
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	6	0.19
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	20	0.19
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	4	0.19
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	17	0.19
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	18	0.19
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	20	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	4	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	6	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	7	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	9	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	12	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	13	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	14	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	15	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	16	0.19
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	19	0.19
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	5	0.19
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	16	0.19
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	20	0.19
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	7	0.19
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	8	0.19
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	3	0.18
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB1	20	0.18
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	15	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	8	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	9	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG22	11	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	12	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	13	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG22	14	0.18
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	20	0.18
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	11	0.18
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD12	1	0.18
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	10	0.18
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD11	20	0.18
(1,5643)	1:23:A:THR:H	1:23:A:THR:HG21	9	0.18
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	2	0.18
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	5	0.18
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	11	0.18
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	6	0.18
(1,5520)	1:89:A:ASP:H	1:88:A:ASN:HB2	13	0.18
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG22	2	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	1	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	5	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	11	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	13	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	14	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	15	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	16	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	18	0.18
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	20	0.18
(1,5361)	1:120:A:THR:H	1:93:A:ARG:HB3	11	0.18
(1,5341)	1:238:A:GLN:H	1:238:A:GLN:HB3	11	0.18
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	7	0.18
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	7	0.18
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	14	0.18
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	3	0.18
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	3	0.18
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	14	0.18
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB3	19	0.18
(1,5215)	1:49:A:GLN:H	1:49:A:GLN:HG2	10	0.18
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG22	17	0.18
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	17	0.18
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	20	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	1	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	5	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	8	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	12	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	13	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	15	0.18
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	16	0.18
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	13	0.18
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	17	0.18
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD21	14	0.18
(1,5046)	1:156:A:GLU:H	1:155:A:GLN:HG2	10	0.18
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	2	0.18
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	20	0.18
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD12	5	0.18
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD11	10	0.18
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	13	0.18
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	18	0.18
(1,4869)	1:250:A:THR:H	1:248:A:ALA:HA	8	0.18
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	10	0.18
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD13	6	0.18
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD11	18	0.18
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	13	0.18
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	17	0.18
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD13	14	0.18
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD13	20	0.18
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	9	0.18
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	15	0.18
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	7	0.18
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	9	0.18
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	12	0.18
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	11	0.18
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	14	0.18
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	18	0.18
(1,4672)	1:190:A:ALA:H	1:189:A:ASN:HD21	14	0.18
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	7	0.18
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	14	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	3	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	5	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	7	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	10	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	12	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	17	0.18
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	20	0.18
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	16	0.18
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	10	0.18
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	12	0.18
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	20	0.18
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	15	0.18
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	20	0.18
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	2	0.18
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	4	0.18
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	6	0.18
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	12	0.18
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	15	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	2	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	8	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	10	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	14	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	18	0.18
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	19	0.18
(1,4492)	1:238:A:GLN:HA	1:172:A:TRP:HD1	18	0.18
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	14	0.18
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	4	0.18
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	13	0.18
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	4	0.18
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	6	0.18
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	7	0.18
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	11	0.18
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	16	0.18
(1,4434)	1:37:A:ALA:HB1	1:32:A:TYR:HE1	12	0.18
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	6	0.18
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	18	0.18
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	3	0.18
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	12	0.18
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD12	4	0.18
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD11	8	0.18
(1,4239)	1:175:A:LEU:HD23	1:222:A:TRP:HZ2	20	0.18
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	16	0.18
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	18	0.18
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	3	0.18
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	18	0.18
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	10	0.18
(1,4193)	1:150:A:ARG:HD3	1:150:A:ARG:HA	19	0.18
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	2	0.18
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	7	0.18
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	12	0.18
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	15	0.18
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD23	15	0.18
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD21	16	0.18
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD23	6	0.18
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD21	17	0.18
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	12	0.18
(1,4086)	1:91:A:GLN:HG3	1:87:A:LEU:HB2	10	0.18
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	6	0.18
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	1	0.18
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	8	0.18
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	13	0.18
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	20	0.18
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD13	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	11	0.18
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	2	0.18
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	7	0.18
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	10	0.18
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	3	0.18
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	19	0.18
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	19	0.18
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	7	0.18
(1,3899)	1:154:A:ALA:HB1	1:129:A:GLN:HB3	20	0.18
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG22	9	0.18
(1,3875)	1:44:A:TYR:HB2	1:62:A:LEU:HD22	1	0.18
(1,3806)	1:67:A:LEU:HD11	1:79:A:LEU:HD22	13	0.18
(1,3805)	1:67:A:LEU:HD11	1:67:A:LEU:HB2	17	0.18
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	20	0.18
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	17	0.18
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	19	0.18
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	2	0.18
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	18	0.18
(1,3716)	1:48:A:MET:HE1	1:49:A:GLN:H	10	0.18
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	2	0.18
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	9	0.18
(1,3714)	1:146:A:ILE:HG21	1:150:A:ARG:H	16	0.18
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG21	2	0.18
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG22	4	0.18
(1,3700)	1:229:A:ASN:HB2	1:194:A:ILE:HG22	7	0.18
(1,3670)	1:98:A:LEU:HD22	1:65:A:ARG:H	9	0.18
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD11	2	0.18
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD13	12	0.18
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD11	14	0.18
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD12	18	0.18
(1,3647)	1:62:A:LEU:HD13	1:66:A:ALA:H	14	0.18
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	4	0.18
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	9	0.18
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	14	0.18
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	6	0.18
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	8	0.18
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	12	0.18
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	18	0.18
(1,3614)	1:209:A:ARG:HG2	1:209:A:ARG:H	20	0.18
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	20	0.18
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	10	0.18
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	5	0.18
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	13	0.18
(1,3500)	1:146:A:ILE:HG12	1:150:A:ARG:HA	18	0.18
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	10	0.18
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	4	0.18
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	8	0.18
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	18	0.18
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	1	0.18
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	4	0.18
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	8	0.18
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	15	0.18
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	18	0.18
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	2	0.18
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	3	0.18
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	14	0.18
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB2	8	0.18
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	8	0.18
(1,3459)	1:157:A:PRO:HB2	1:159:A:LEU:H	20	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	2	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	5	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	7	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	12	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	14	0.18
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	20	0.18
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	9	0.18
(1,3443)	1:33:A:MET:HB3	1:33:A:MET:HG3	3	0.18
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB1	5	0.18
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	1	0.18
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	12	0.18
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	6	0.18
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	10	0.18
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	17	0.18
(1,3330)	1:203:A:ARG:HD3	1:206:A:PHE:H	8	0.18
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	20	0.18
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	1	0.18
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	7	0.18
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	2	0.18
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	4	0.18
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	5	0.18
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	6	0.18
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	7	0.18
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	13	0.18
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	15	0.18
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	18	0.18
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	7	0.18
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	9	0.18
(1,3216)	1:28:A:GLN:HA	1:28:A:GLN:HE22	16	0.18
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	4	0.18
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	8	0.18
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	19	0.18
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	10	0.18
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	11	0.18
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	14	0.18
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	20	0.18
(1,3120)	1:241:A:ASN:HB3	1:242:A:VAL:HA	11	0.18
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	6	0.18
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	7	0.18
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	12	0.18
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	14	0.18
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	19	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	1	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	2	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	6	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	7	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	13	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	16	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	17	0.18
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	20	0.18
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB3	7	0.18
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	10	0.18
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB3	13	0.18
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	14	0.18
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	17	0.18
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	2	0.18
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	7	0.18
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	4	0.18
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	5	0.18
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	17	0.18
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	2	0.18
(1,2961)	1:199:A:LEU:HD23	1:183:A:ALA:HB1	13	0.18
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	1	0.18
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	18	0.18
(1,2952)	1:57:A:ILE:HD11	1:84:A:PRO:HG2	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	8	0.18
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	18	0.18
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	8	0.18
(1,2945)	1:83:A:LEU:HD23	1:80:A:PHE:HE1	9	0.18
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	16	0.18
(1,2935)	1:83:A:LEU:HD23	1:98:A:LEU:HB2	13	0.18
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	1	0.18
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	2	0.18
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	3	0.18
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	4	0.18
(1,2911)	1:115:A:LEU:HD22	1:115:A:LEU:HA	8	0.18
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	9	0.18
(1,2911)	1:115:A:LEU:HD22	1:115:A:LEU:HA	10	0.18
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	11	0.18
(1,2911)	1:115:A:LEU:HD22	1:115:A:LEU:HA	16	0.18
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	18	0.18
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	19	0.18
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	9	0.18
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	11	0.18
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	12	0.18
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	17	0.18
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	20	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	1	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	5	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	7	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	9	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	12	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	15	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	17	0.18
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	20	0.18
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	17	0.18
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	1	0.18
(1,2863)	1:143:A:ARG:H	1:141:A:GLN:HA	19	0.18
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	14	0.18
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	18	0.18
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG22	11	0.18
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	14	0.18
(1,2840)	1:122:A:ALA:H	1:122:A:ALA:HB3	15	0.18
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	8	0.18
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	15	0.18
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	1	0.18
(1,2776)	1:97:A:LEU:HD13	1:98:A:LEU:HA	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	4	0.18
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	8	0.18
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	12	0.18
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	18	0.18
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	1	0.18
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	14	0.18
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	16	0.18
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	20	0.18
(1,2757)	1:62:A:LEU:HD13	1:65:A:ARG:HD3	14	0.18
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	10	0.18
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	11	0.18
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	15	0.18
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	16	0.18
(1,2739)	1:24:A:HIS:HB2	1:24:A:HIS:HA	18	0.18
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	9	0.18
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB2	6	0.18
(1,2677)	1:102:A:ILE:HG22	1:106:A:GLN:HE22	19	0.18
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	17	0.18
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	1	0.18
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG22	2	0.18
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	13	0.18
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG21	16	0.18
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG22	19	0.18
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	6	0.18
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD22	19	0.18
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB3	16	0.18
(1,2596)	1:124:A:LEU:HD21	1:120:A:THR:HA	14	0.18
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	17	0.18
(1,2575)	1:79:A:LEU:HD12	1:60:A:GLN:HE21	1	0.18
(1,2536)	1:46:A:GLN:HG3	1:50:A:GLN:HE21	12	0.18
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	1	0.18
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	4	0.18
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	6	0.18
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	7	0.18
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	7	0.18
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	16	0.18
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	14	0.18
(1,2446)	1:175:A:LEU:HD21	1:171:A:THR:HB	3	0.18
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	5	0.18
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	12	0.18
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	18	0.18
(1,2410)	1:91:A:GLN:HG3	1:91:A:GLN:H	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	6	0.18
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	8	0.18
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	16	0.18
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	7	0.18
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	3	0.18
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	7	0.18
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	12	0.18
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	19	0.18
(1,2367)	1:80:A:PHE:H	1:64:A:ILE:HG23	11	0.18
(1,2359)	1:240:A:VAL:HG13	1:243:A:LYS:HG2	2	0.18
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD13	17	0.18
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD11	18	0.18
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	9	0.18
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	1	0.18
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	3	0.18
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	11	0.18
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	12	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	2	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	3	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	4	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	11	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	15	0.18
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	16	0.18
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	6	0.18
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	11	0.18
(1,2299)	1:194:A:ILE:HG13	1:194:A:ILE:HA	3	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	2	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	3	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG22	4	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	5	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	10	0.18
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	11	0.18
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	3	0.18
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	14	0.18
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	19	0.18
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	20	0.18
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	16	0.18
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	3	0.18
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	16	0.18
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	11	0.18
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	1	0.18
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	13	0.18
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	4	0.18
(1,2130)	1:153:A:ILE:HG22	1:195:A:LEU:HA	14	0.18
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	17	0.18
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	1	0.18
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	7	0.18
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	18	0.18
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	3	0.18
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	19	0.18
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	4	0.18
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	2	0.18
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE1	14	0.18
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	2	0.18
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	12	0.18
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	14	0.18
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	16	0.18
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	18	0.18
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	20	0.18
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	10	0.18
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	12	0.18
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	20	0.18
(1,1846)	1:55:A:THR:HG23	1:56:A:ARG:HA	12	0.18
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	4	0.18
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	10	0.18
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG22	10	0.18
(1,1780)	1:137:A:ILE:HD13	1:137:A:ILE:HA	7	0.18
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	15	0.18
(1,1768)	1:219:A:ILE:HD11	1:243:A:LYS:HE2	14	0.18
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	1	0.18
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	2	0.18
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	4	0.18
(1,1764)	1:219:A:ILE:HD12	1:239:A:LEU:HA	6	0.18
(1,1764)	1:219:A:ILE:HD12	1:239:A:LEU:HA	7	0.18
(1,1710)	1:57:A:ILE:HG21	1:91:A:GLN:HE22	5	0.18
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	1	0.18
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	5	0.18
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD21	1	0.18
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD22	5	0.18
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD22	12	0.18
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD21	15	0.18
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	20	0.18
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1661)	1:66:A:ALA:HB3	1:70:A:GLU:HG2	10	0.18
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	11	0.18
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	4	0.18
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	5	0.18
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	11	0.18
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	11	0.18
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	10	0.18
(1,1652)	1:232:A:ALA:HB3	1:222:A:TRP:HZ2	18	0.18
(1,1652)	1:232:A:ALA:HB1	1:222:A:TRP:HZ2	19	0.18
(1,1624)	1:37:A:ALA:HB1	1:31:A:ALA:HA	4	0.18
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	7	0.18
(1,1624)	1:37:A:ALA:HB2	1:31:A:ALA:HA	12	0.18
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	19	0.18
(1,1587)	1:240:A:VAL:HG22	1:240:A:VAL:HA	3	0.18
(1,1587)	1:240:A:VAL:HG23	1:240:A:VAL:HA	6	0.18
(1,1587)	1:240:A:VAL:HG21	1:240:A:VAL:HA	14	0.18
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	13	0.18
(1,1583)	1:158:A:LEU:HD13	1:126:A:GLN:HB3	20	0.18
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	2	0.18
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG22	6	0.18
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG22	9	0.18
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG22	10	0.18
(1,1577)	1:204:A:VAL:HG11	1:204:A:VAL:HG23	15	0.18
(1,1577)	1:204:A:VAL:HG11	1:204:A:VAL:HG23	20	0.18
(1,1574)	1:195:A:LEU:HD13	1:198:A:TRP:HD1	2	0.18
(1,1568)	1:73:A:THR:HG21	1:105:A:ALA:HB2	15	0.18
(1,1568)	1:73:A:THR:HG21	1:105:A:ALA:HB1	19	0.18
(1,1553)	1:239:A:LEU:HD13	1:235:A:LEU:HA	11	0.18
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	5	0.18
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	11	0.18
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	14	0.18
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	19	0.18
(1,1532)	1:116:A:LEU:HD12	1:113:A:GLN:HB3	13	0.18
(1,1529)	1:69:A:LYS:HG2	1:69:A:LYS:HA	7	0.18
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	2	0.18
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	4	0.18
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	10	0.18
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	10	0.18
(1,1460)	1:159:A:LEU:HD22	1:166:A:GLN:HE21	15	0.18
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	4	0.18
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	6	0.18
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	6	0.18
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	19	0.18
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	1	0.18
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	6	0.18
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	9	0.18
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	10	0.18
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	18	0.18
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	19	0.18
(1,1332)	1:65:A:ARG:HB3	1:98:A:LEU:HD13	8	0.18
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	9	0.18
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	19	0.18
(1,1291)	1:212:A:PRO:HB2	1:212:A:PRO:HA	18	0.18
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	1	0.18
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	11	0.18
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	16	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	1	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	6	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	10	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	12	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	13	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	15	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	16	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	17	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	19	0.18
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	20	0.18
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	8	0.18
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	14	0.18
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	6	0.18
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	17	0.18
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	1	0.18
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	18	0.18
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	3	0.18
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	12	0.18
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	14	0.18
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	19	0.18
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	6	0.18
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	9	0.18
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	8	0.18
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	11	0.18
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	15	0.18
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	11	0.18
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:189:A:ASN:HB3	1:192:A:GLU:HG2	8	0.18
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	4	0.18
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	8	0.18
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	13	0.18
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	18	0.18
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	5	0.18
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	14	0.18
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	16	0.18
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	1	0.18
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	5	0.18
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	6	0.18
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	9	0.18
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	4	0.18
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	8	0.18
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	20	0.18
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	18	0.18
(1,979)	1:197:A:GLY:HA3	1:194:A:ILE:HG21	2	0.18
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	5	0.18
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	16	0.18
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	9	0.18
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	11	0.18
(1,919)	1:117:A:ALA:HA	1:117:A:ALA:HB2	17	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	3	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	5	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	6	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG23	9	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	17	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	18	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	19	0.18
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	20	0.18
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	20	0.18
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	16	0.18
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	8	0.18
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	11	0.18
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	7	0.18
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	13	0.18
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	1	0.18
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	10	0.18
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD11	14	0.18
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	3	0.18
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	11	0.18
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	13	0.18
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	20	0.18
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD22	15	0.18
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA3	2	0.18
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA3	20	0.18
(1,612)	1:41:A:SER:H	1:67:A:LEU:HA	15	0.18
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	3	0.18
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	9	0.18
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	3	0.18
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	5	0.18
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	18	0.18
(1,585)	1:225:A:ARG:H	1:227:A:PRO:HD3	5	0.18
(1,575)	1:109:A:PHE:H	1:111:A:GLY:H	19	0.18
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	4	0.18
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	9	0.18
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	11	0.18
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	13	0.18
(1,562)	1:37:A:ALA:H	1:35:A:GLY:H	19	0.18
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	12	0.18
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	15	0.18
(1,521)	1:175:A:LEU:HD22	1:202:A:GLN:HB3	13	0.18
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	17	0.18
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	13	0.18
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	3	0.18
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	9	0.18
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	15	0.18
(1,446)	1:107:A:LYS:HB3	1:107:A:LYS:HE2	16	0.18
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	1	0.18
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD22	6	0.18
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	7	0.18
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	20	0.18
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	2	0.18
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	3	0.18
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	4	0.18
(1,416)	1:239:A:LEU:HD23	1:239:A:LEU:HD11	5	0.18
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	15	0.18
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	19	0.18
(1,338)	1:43:A:PHE:H	1:42:A:ALA:HB1	4	0.18
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	1	0.18
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	13	0.18
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	11	0.18
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	4	0.18
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	16	0.18
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	20	0.18
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	6	0.18
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	14	0.18
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	15	0.18
(1,262)	1:14:A:LEU:HB2	1:13:A:GLY:H	16	0.18
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	6	0.18
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	9	0.18
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG21	11	0.18
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	3	0.18
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	5	0.18
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	8	0.18
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	10	0.18
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	11	0.18
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	17	0.18
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	3	0.18
(1,233)	1:165:A:GLN:HA	1:165:A:GLN:HB3	19	0.18
(1,5860)	1:151:A:ALA:H	1:150:A:ARG:HB2	15	0.17
(1,5846)	1:238:A:GLN:H	1:238:A:GLN:HG2	17	0.17
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB1	6	0.17
(1,5812)	1:198:A:TRP:HE1	1:229:A:ASN:HA	17	0.17
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG22	2	0.17
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	6	0.17
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	7	0.17
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	10	0.17
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	19	0.17
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	14	0.17
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	19	0.17
(1,5631)	1:245:A:PHE:H	1:241:A:ASN:HA	8	0.17
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	5	0.17
(1,5630)	1:147:A:ASP:H	1:146:A:ILE:HB	7	0.17
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	2	0.17
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	4	0.17
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	7	0.17
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	19	0.17
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	13	0.17
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	15	0.17
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	16	0.17
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	8	0.17
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	2	0.17
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	4	0.17
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	7	0.17
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	9	0.17
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	12	0.17
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	17	0.17
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	20	0.17
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	3	0.17
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	2	0.17
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	18	0.17
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	1	0.17
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	2	0.17
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	6	0.17
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	7	0.17
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	11	0.17
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	5	0.17
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	12	0.17
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	13	0.17
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	20	0.17
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG22	1	0.17
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB3	10	0.17
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB1	13	0.17
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	14	0.17
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	3	0.17
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	11	0.17
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	19	0.17
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	20	0.17
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	11	0.17
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	11	0.17
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	7	0.17
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	16	0.17
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	12	0.17
(1,5046)	1:156:A:GLU:H	1:155:A:GLN:HG2	2	0.17
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	12	0.17
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	15	0.17
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	11	0.17
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	11	0.17
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG22	20	0.17
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	5	0.17
(1,4797)	1:21:A:MET:H	1:20:A:HIS:HA	19	0.17
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	2	0.17
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	3	0.17
(1,4735)	1:154:A:ALA:H	1:153:A:ILE:HG21	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	7	0.17
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	16	0.17
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	1	0.17
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	5	0.17
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	6	0.17
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	10	0.17
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	16	0.17
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	1	0.17
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	2	0.17
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	3	0.17
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	13	0.17
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	16	0.17
(1,4672)	1:190:A:ALA:H	1:189:A:ASN:HD21	13	0.17
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	1	0.17
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	2	0.17
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	6	0.17
(1,4669)	1:183:A:ALA:H	1:182:A:GLN:HB2	8	0.17
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	7	0.17
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	12	0.17
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	19	0.17
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	20	0.17
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	13	0.17
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB3	5	0.17
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	8	0.17
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB3	3	0.17
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	5	0.17
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB3	11	0.17
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB3	15	0.17
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	17	0.17
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	8	0.17
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	2	0.17
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	15	0.17
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	20	0.17
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	9	0.17
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	19	0.17
(1,4486)	1:37:A:ALA:HB2	1:32:A:TYR:HD1	3	0.17
(1,4486)	1:37:A:ALA:HB2	1:32:A:TYR:HD1	16	0.17
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	1	0.17
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	3	0.17
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	5	0.17
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	8	0.17
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	2	0.17
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	5	0.17
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	18	0.17
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	18	0.17
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	20	0.17
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	20	0.17
(1,4434)	1:37:A:ALA:HB3	1:32:A:TYR:HE1	20	0.17
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	19	0.17
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	1	0.17
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	3	0.17
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	10	0.17
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	15	0.17
(1,4303)	1:54:A:ASP:HB3	1:91:A:GLN:HE22	1	0.17
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	2	0.17
(1,4239)	1:175:A:LEU:HD21	1:222:A:TRP:HZ2	18	0.17
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	4	0.17
(1,4222)	1:188:A:ILE:HG21	1:196:A:GLN:HE22	5	0.17
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	4	0.17
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	14	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	1	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	4	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	5	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	6	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	11	0.17
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	19	0.17
(1,4091)	1:67:A:LEU:HD23	1:67:A:LEU:HD11	20	0.17
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD23	9	0.17
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD22	20	0.17
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	17	0.17
(1,4088)	1:67:A:LEU:HD22	1:72:A:LYS:H	19	0.17
(1,4086)	1:91:A:GLN:HG3	1:87:A:LEU:HB2	20	0.17
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	3	0.17
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	19	0.17
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	2	0.17
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	4	0.17
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	14	0.17
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	19	0.17
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	3	0.17
(1,4016)	1:103:A:LYS:HE2	1:115:A:LEU:HD12	13	0.17
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD21	6	0.17
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	7	0.17
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4009)	1:185:A:THR:HG22	1:182:A:GLN:HG2	13	0.17
(1,4008)	1:120:A:THR:HA	1:119:A:ILE:HB	9	0.17
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	8	0.17
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	9	0.17
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	19	0.17
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	18	0.17
(1,3980)	1:214:A:MET:HG3	1:218:A:GLY:H	13	0.17
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	11	0.17
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD12	2	0.17
(1,3898)	1:58:A:ASN:HA	1:57:A:ILE:HG21	3	0.17
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB2	4	0.17
(1,3879)	1:44:A:TYR:HB3	1:66:A:ALA:HB3	18	0.17
(1,3811)	1:33:A:MET:HE1	1:62:A:LEU:HD13	10	0.17
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	4	0.17
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	6	0.17
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	10	0.17
(1,3785)	1:152:A:LEU:HD21	1:171:A:THR:HB	14	0.17
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB1	3	0.17
(1,3761)	1:159:A:LEU:HD12	1:163:A:GLU:H	2	0.17
(1,3737)	1:77:A:VAL:HG23	1:102:A:ILE:HD13	10	0.17
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD11	17	0.17
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	2	0.17
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	6	0.17
(1,3728)	1:137:A:ILE:HG23	1:170:A:ALA:HB2	10	0.17
(1,3728)	1:137:A:ILE:HG21	1:170:A:ALA:HB2	20	0.17
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	2	0.17
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG21	6	0.17
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	17	0.17
(1,3719)	1:33:A:MET:HE2	1:33:A:MET:HG3	5	0.17
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	9	0.17
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	13	0.17
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	16	0.17
(1,3670)	1:98:A:LEU:HD21	1:65:A:ARG:H	17	0.17
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD12	1	0.17
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD11	8	0.17
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD13	19	0.17
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD22	16	0.17
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	1	0.17
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	3	0.17
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	7	0.17
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	11	0.17
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	14	0.17
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	5	0.17
(1,3609)	1:69:A:LYS:HG2	1:65:A:ARG:HD3	6	0.17
(1,3594)	1:115:A:LEU:HD11	1:100:A:VAL:HG23	3	0.17
(1,3588)	1:104:A:LEU:HD11	1:102:A:ILE:H	16	0.17
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD22	11	0.17
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	18	0.17
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	5	0.17
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	16	0.17
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	3	0.17
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	4	0.17
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	19	0.17
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	12	0.17
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	8	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	1	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	2	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	3	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	4	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	6	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	7	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	8	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	9	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	12	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	13	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	14	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	15	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	16	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	19	0.17
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	20	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	3	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	6	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	9	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	12	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	14	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	15	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	17	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	19	0.17
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	20	0.17
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	6	0.17
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	13	0.17
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	20	0.17
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG21	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	10	0.17
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG21	19	0.17
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	1	0.17
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	3	0.17
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	10	0.17
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	17	0.17
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	3	0.17
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	13	0.17
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD11	18	0.17
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	5	0.17
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	6	0.17
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	11	0.17
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	17	0.17
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	20	0.17
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD12	8	0.17
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	5	0.17
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	17	0.17
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	9	0.17
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	4	0.17
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	13	0.17
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	17	0.17
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	4	0.17
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	8	0.17
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	13	0.17
(1,3324)	1:48:A:MET:HG2	1:56:A:ARG:HD2	10	0.17
(1,3310)	1:13:A:GLY:HA2	1:15:A:VAL:HG23	15	0.17
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	1	0.17
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	1	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	1	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	4	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	6	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	8	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	10	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	11	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	14	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	16	0.17
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	17	0.17
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	12	0.17
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	13	0.17
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	16	0.17
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	17	0.17
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	8	0.17
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	15	0.17
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	16	0.17
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	17	0.17
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	18	0.17
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	19	0.17
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	2	0.17
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	20	0.17
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	6	0.17
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	11	0.17
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	13	0.17
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	9	0.17
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	15	0.17
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	20	0.17
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	19	0.17
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	8	0.17
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	12	0.17
(1,3082)	1:73:A:THR:HB	1:76:A:ALA:H	3	0.17
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	3	0.17
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	8	0.17
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	10	0.17
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	15	0.17
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB3	1	0.17
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB2	2	0.17
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	12	0.17
(1,3063)	1:218:A:GLY:H	1:217:A:ALA:HB1	16	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	5	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	6	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	8	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	9	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	11	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	12	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	13	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	14	0.17
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	19	0.17
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG23	15	0.17
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	8	0.17
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	9	0.17
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	11	0.17
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	20	0.17
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	8	0.17
(1,2991)	1:65:A:ARG:HB2	1:62:A:LEU:HD13	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG11	19	0.17
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	5	0.17
(1,2952)	1:57:A:ILE:HD12	1:84:A:PRO:HG2	9	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD11	1	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD11	14	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	16	0.17
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD11	20	0.17
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	4	0.17
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	17	0.17
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	18	0.17
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	8	0.17
(1,2942)	1:83:A:LEU:HD22	1:57:A:ILE:HA	14	0.17
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	3	0.17
(1,2911)	1:115:A:LEU:HD22	1:115:A:LEU:HA	5	0.17
(1,2911)	1:115:A:LEU:HD22	1:115:A:LEU:HA	6	0.17
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	14	0.17
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	17	0.17
(1,2911)	1:115:A:LEU:HD21	1:115:A:LEU:HA	20	0.17
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	14	0.17
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	20	0.17
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	1	0.17
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	5	0.17
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	7	0.17
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	3	0.17
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	10	0.17
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	14	0.17
(1,2881)	1:65:A:ARG:HD2	1:44:A:TYR:HE2	4	0.17
(1,2873)	1:219:A:ILE:HG22	1:216:A:LYS:HA	9	0.17
(1,2873)	1:219:A:ILE:HG23	1:216:A:LYS:HA	12	0.17
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	8	0.17
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG22	18	0.17
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	2	0.17
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	6	0.17
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	15	0.17
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	18	0.17
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	19	0.17
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	15	0.17
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB2	1	0.17
(1,2776)	1:97:A:LEU:HD11	1:98:A:LEU:HA	9	0.17
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	2	0.17
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	5	0.17
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	15	0.17
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	12	0.17
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	18	0.17
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB3	3	0.17
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	14	0.17
(1,2627)	1:187:A:VAL:HA	1:187:A:VAL:HG23	18	0.17
(1,2607)	1:209:A:ARG:HG2	1:210:A:ASN:HA	8	0.17
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	2	0.17
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	3	0.17
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	5	0.17
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	10	0.17
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	12	0.17
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	19	0.17
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	3	0.17
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	5	0.17
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	9	0.17
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD12	18	0.17
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	4	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	3	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	4	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	7	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	10	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	11	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	12	0.17
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	14	0.17
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	8	0.17
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	20	0.17
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	9	0.17
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	18	0.17
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	1	0.17
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	5	0.17
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	7	0.17
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	9	0.17
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	20	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	2	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	4	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	6	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	8	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	11	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	12	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	15	0.17
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	1	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	2	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	4	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	5	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	6	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	8	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	9	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	10	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	11	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	13	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	14	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	15	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	16	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	17	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	18	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	19	0.17
(1,2382)	1:241:A:ASN:H	1:241:A:ASN:HA	20	0.17
(1,2373)	1:76:A:ALA:HB3	1:102:A:ILE:HD12	16	0.17
(1,2369)	1:64:A:ILE:HG23	1:65:A:ARG:H	1	0.17
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	13	0.17
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	20	0.17
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	20	0.17
(1,2359)	1:240:A:VAL:HG13	1:243:A:LYS:HG2	10	0.17
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	13	0.17
(1,2350)	1:130:A:ALA:H	1:158:A:LEU:HD12	19	0.17
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	8	0.17
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	4	0.17
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	18	0.17
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG22	7	0.17
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG21	12	0.17
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	16	0.17
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	2	0.17
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	15	0.17
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	15	0.17
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	10	0.17
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	9	0.17
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	12	0.17
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	15	0.17
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD12	7	0.17
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD11	11	0.17
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	6	0.17
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	11	0.17
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	6	0.17
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	10	0.17
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	18	0.17
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	20	0.17
(1,2117)	1:135:A:ALA:H	1:116:A:LEU:HD21	15	0.17
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	5	0.17
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	1	0.17
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	11	0.17
(1,2010)	1:183:A:ALA:HA	1:186:A:LEU:HD21	6	0.17
(1,1990)	1:168:A:ILE:HD12	1:167:A:ASN:HB3	10	0.17
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	18	0.17
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE2	18	0.17
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	1	0.17
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	7	0.17
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	15	0.17
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	5	0.17
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	1	0.17
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	4	0.17
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	6	0.17
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	19	0.17
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	2	0.17
(1,1846)	1:55:A:THR:HG21	1:56:A:ARG:HA	9	0.17
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	20	0.17
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	13	0.17
(1,1807)	1:176:A:SER:HB3	1:173:A:GLN:HE21	11	0.17
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	3	0.17
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	1	0.17
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	3	0.17
(1,1780)	1:137:A:ILE:HD13	1:137:A:ILE:HA	4	0.17
(1,1780)	1:137:A:ILE:HD13	1:137:A:ILE:HA	16	0.17
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	18	0.17
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	20	0.17
(1,1768)	1:219:A:ILE:HD12	1:243:A:LYS:HE2	8	0.17
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	5	0.17
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	15	0.17
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	16	0.17
(1,1764)	1:219:A:ILE:HD12	1:239:A:LEU:HA	20	0.17
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	2	0.17
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	8	0.17
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	1	0.17
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	6	0.17
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	7	0.17
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	8	0.17
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	9	0.17
(1,1700)	1:220:A:ALA:HB2	1:220:A:ALA:HA	10	0.17
(1,1700)	1:220:A:ALA:HB2	1:220:A:ALA:HA	15	0.17
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	16	0.17
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	17	0.17
(1,1699)	1:171:A:THR:HG21	1:152:A:LEU:HD21	17	0.17
(1,1685)	1:135:A:ALA:HB3	1:132:A:TYR:HA	9	0.17
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB2	4	0.17
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	5	0.17
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB2	8	0.17
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	19	0.17
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	8	0.17
(1,1669)	1:31:A:ALA:HB2	1:37:A:ALA:H	9	0.17
(1,1669)	1:31:A:ALA:HB2	1:37:A:ALA:H	14	0.17
(1,1665)	1:42:A:ALA:HB3	1:40:A:ASP:HB2	11	0.17
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	3	0.17
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	14	0.17
(1,1661)	1:66:A:ALA:HB3	1:70:A:GLU:HG2	15	0.17
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	19	0.17
(1,1656)	1:190:A:ALA:H	1:190:A:ALA:HB3	13	0.17
(1,1616)	1:77:A:VAL:HG13	1:77:A:VAL:HA	1	0.17
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	3	0.17
(1,1616)	1:77:A:VAL:HG13	1:77:A:VAL:HA	5	0.17
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	7	0.17
(1,1616)	1:77:A:VAL:HG13	1:77:A:VAL:HA	11	0.17
(1,1616)	1:77:A:VAL:HG11	1:77:A:VAL:HA	12	0.17
(1,1602)	1:30:A:THR:HG22	1:34:A:GLN:HE22	3	0.17
(1,1602)	1:30:A:THR:HG23	1:34:A:GLN:HE22	10	0.17
(1,1602)	1:30:A:THR:HG22	1:34:A:GLN:HE22	13	0.17
(1,1602)	1:30:A:THR:HG22	1:34:A:GLN:HE22	15	0.17
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	8	0.17
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	15	0.17
(1,1587)	1:240:A:VAL:HG23	1:240:A:VAL:HA	2	0.17
(1,1587)	1:240:A:VAL:HG21	1:240:A:VAL:HA	19	0.17
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	9	0.17
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	11	0.17
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	1	0.17
(1,1583)	1:158:A:LEU:HD12	1:126:A:GLN:HB3	10	0.17
(1,1583)	1:158:A:LEU:HD11	1:126:A:GLN:HB3	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1583)	1:158:A:LEU:HD12	1:126:A:GLN:HB3	14	0.17
(1,1577)	1:204:A:VAL:HG12	1:204:A:VAL:HG23	13	0.17
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	16	0.17
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	9	0.17
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	13	0.17
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	15	0.17
(1,1532)	1:116:A:LEU:HD11	1:113:A:GLN:HB3	18	0.17
(1,1516)	1:224:A:LYS:HG2	1:225:A:ARG:H	13	0.17
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	1	0.17
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	3	0.17
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	11	0.17
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	14	0.17
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	20	0.17
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	5	0.17
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	13	0.17
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	10	0.17
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD13	6	0.17
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD13	18	0.17
(1,1376)	1:29:A:SER:H	1:28:A:GLN:HB3	15	0.17
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	2	0.17
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	12	0.17
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	20	0.17
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	4	0.17
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	4	0.17
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	7	0.17
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	8	0.17
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	9	0.17
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	2	0.17
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	5	0.17
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	10	0.17
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	20	0.17
(1,1259)	1:233:A:LYS:HB2	1:234:A:MET:H	8	0.17
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	3	0.17
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	6	0.17
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	14	0.17
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	17	0.17
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	19	0.17
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	10	0.17
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	15	0.17
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	2	0.17
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	8	0.17
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1187)	1:125:A:GLU:HG2	1:126:A:GLN:HA	4	0.17
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	2	0.17
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	7	0.17
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	8	0.17
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	17	0.17
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	11	0.17
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	16	0.17
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	8	0.17
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	10	0.17
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG23	12	0.17
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	1	0.17
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	3	0.17
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	12	0.17
(1,1122)	1:193:A:ASN:HB3	1:193:A:ASN:HD22	14	0.17
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	10	0.17
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	13	0.17
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	14	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	5	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	7	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	10	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	11	0.17
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	20	0.17
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	8	0.17
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	12	0.17
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	17	0.17
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	17	0.17
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	2	0.17
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	6	0.17
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	7	0.17
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	15	0.17
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	16	0.17
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	6	0.17
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	20	0.17
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	9	0.17
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	7	0.17
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	20	0.17
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	17	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	2	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD23	3	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	7	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	10	0.17
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD23	16	0.17
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG21	16	0.17
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	11	0.17
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	14	0.17
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	2	0.17
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	3	0.17
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	13	0.17
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	18	0.17
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	19	0.17
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	5	0.17
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	1	0.17
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	2	0.17
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	4	0.17
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	9	0.17
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	15	0.17
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD21	8	0.17
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	12	0.17
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	14	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	1	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG21	4	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	8	0.17
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	10	0.17
(1,727)	1:247:A:PRO:HA	1:248:A:ALA:HB2	1	0.17
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	11	0.17
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	15	0.17
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	16	0.17
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	18	0.17
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	11	0.17
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	3	0.17
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	7	0.17
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	15	0.17
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	20	0.17
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	16	0.17
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	17	0.17
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	3	0.17
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	8	0.17
(1,599)	1:175:A:LEU:H	1:171:A:THR:HA	17	0.17
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	7	0.17
(1,591)	1:78:A:GLU:H	1:78:A:GLU:HB3	8	0.17
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	13	0.17
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	1	0.17
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	8	0.17
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	5	0.17
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	8	0.17
(1,540)	1:49:A:GLN:HB2	1:50:A:GLN:H	17	0.17
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	17	0.17
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	2	0.17
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	5	0.17
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	16	0.17
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	18	0.17
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD22	3	0.17
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	11	0.17
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	6	0.17
(1,416)	1:239:A:LEU:HD23	1:239:A:LEU:HD11	14	0.17
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	18	0.17
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	3	0.17
(1,333)	1:116:A:LEU:HD23	1:100:A:VAL:HB	9	0.17
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	4	0.17
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	9	0.17
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	14	0.17
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	16	0.17
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	3	0.17
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	6	0.17
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	8	0.17
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	13	0.17
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	10	0.17
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	12	0.17
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	20	0.17
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	2	0.17
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	19	0.17
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	1	0.17
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	6	0.17
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	13	0.17
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	17	0.17
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	20	0.17
(1,258)	1:203:A:ARG:HD3	1:203:A:ARG:HG3	16	0.17
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	5	0.17
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	20	0.17
(1,250)	1:247:A:PRO:HD3	1:247:A:PRO:HG3	18	0.17
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	11	0.17
(1,5846)	1:238:A:GLN:H	1:238:A:GLN:HG2	6	0.16
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD12	4	0.16
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD11	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD11	13	0.16
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	20	0.16
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	20	0.16
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	4	0.16
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG23	15	0.16
(1,5690)	1:17:A:ARG:H	1:17:A:ARG:HG3	10	0.16
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	6	0.16
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	19	0.16
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	16	0.16
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	16	0.16
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	13	0.16
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	16	0.16
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	9	0.16
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	2	0.16
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	3	0.16
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	4	0.16
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	5	0.16
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	17	0.16
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	18	0.16
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	12	0.16
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	14	0.16
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	15	0.16
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	18	0.16
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	19	0.16
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	1	0.16
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	4	0.16
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	10	0.16
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	12	0.16
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	6	0.16
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	8	0.16
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	10	0.16
(1,5396)	1:83:A:LEU:H	1:83:A:LEU:HB2	17	0.16
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	15	0.16
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	19	0.16
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	9	0.16
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	3	0.16
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	4	0.16
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	10	0.16
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	11	0.16
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	15	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	2	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	8	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	9	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	10	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	14	0.16
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	17	0.16
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	18	0.16
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	5	0.16
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	7	0.16
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	16	0.16
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	2	0.16
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	9	0.16
(1,5152)	1:37:A:ALA:H	1:34:A:GLN:H	20	0.16
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	8	0.16
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB1	16	0.16
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	5	0.16
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	9	0.16
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	13	0.16
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	16	0.16
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	1	0.16
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	3	0.16
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	6	0.16
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	7	0.16
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	17	0.16
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	2	0.16
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	7	0.16
(1,4869)	1:250:A:THR:H	1:248:A:ALA:HA	16	0.16
(1,4848)	1:153:A:ILE:H	1:153:A:ILE:HD12	14	0.16
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG22	11	0.16
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	15	0.16
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	16	0.16
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	7	0.16
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	9	0.16
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	20	0.16
(1,4797)	1:21:A:MET:H	1:20:A:HIS:HA	5	0.16
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	10	0.16
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	6	0.16
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	15	0.16
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	18	0.16
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	4	0.16
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	19	0.16
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	2	0.16
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD11	8	0.16
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD11	19	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	1	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	2	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	10	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	11	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	13	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	15	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	17	0.16
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	18	0.16
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	1	0.16
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	5	0.16
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	11	0.16
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	15	0.16
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	9	0.16
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	2	0.16
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	8	0.16
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB3	10	0.16
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	10	0.16
(1,4552)	1:245:A:PHE:HD2	1:209:A:ARG:HG3	20	0.16
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	7	0.16
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	1	0.16
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	3	0.16
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	7	0.16
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	2	0.16
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	6	0.16
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	2	0.16
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	4	0.16
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	6	0.16
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	16	0.16
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	17	0.16
(1,4456)	1:222:A:TRP:HD1	1:197:A:GLY:HA2	20	0.16
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	5	0.16
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	13	0.16
(1,4434)	1:37:A:ALA:HB3	1:32:A:TYR:HE1	4	0.16
(1,4434)	1:37:A:ALA:HB3	1:32:A:TYR:HE1	9	0.16
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	13	0.16
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	12	0.16
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	20	0.16
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	20	0.16
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	1	0.16
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	8	0.16
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	15	0.16
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	18	0.16
(1,4407)	1:245:A:PHE:HD2	1:210:A:ASN:H	12	0.16
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	16	0.16
(1,4403)	1:43:A:PHE:HD1	1:46:A:GLN:HB2	19	0.16
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	13	0.16
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	15	0.16
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	11	0.16
(1,4309)	1:83:A:LEU:HD12	1:60:A:GLN:HE22	3	0.16
(1,4309)	1:83:A:LEU:HD13	1:60:A:GLN:HE22	19	0.16
(1,4239)	1:175:A:LEU:HD23	1:222:A:TRP:HZ2	14	0.16
(1,4239)	1:175:A:LEU:HD22	1:222:A:TRP:HZ2	15	0.16
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	6	0.16
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	16	0.16
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	1	0.16
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	4	0.16
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	12	0.16
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	18	0.16
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	14	0.16
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD23	2	0.16
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	2	0.16
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	3	0.16
(1,4088)	1:67:A:LEU:HD21	1:72:A:LYS:H	10	0.16
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	14	0.16
(1,4043)	1:25:A:THR:HG21	1:24:A:HIS:HA	16	0.16
(1,4042)	1:61:A:LEU:HD13	1:91:A:GLN:HG3	13	0.16
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	5	0.16
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	12	0.16
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	20	0.16
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	1	0.16
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	1	0.16
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	16	0.16
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	2	0.16
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	14	0.16
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	4	0.16
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	2	0.16
(1,3899)	1:154:A:ALA:HB1	1:129:A:GLN:HB3	6	0.16
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	18	0.16
(1,3895)	1:64:A:ILE:HG21	1:98:A:LEU:HA	11	0.16
(1,3885)	1:69:A:LYS:HG3	1:65:A:ARG:HD2	12	0.16
(1,3811)	1:33:A:MET:HE1	1:62:A:LEU:HD12	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	16	0.16
(1,3785)	1:152:A:LEU:HD23	1:171:A:THR:HB	19	0.16
(1,3762)	1:57:A:ILE:HG21	1:83:A:LEU:HA	18	0.16
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	19	0.16
(1,3737)	1:77:A:VAL:HG22	1:102:A:ILE:HD13	1	0.16
(1,3737)	1:77:A:VAL:HG22	1:102:A:ILE:HD13	2	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	1	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG21	10	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	12	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG21	15	0.16
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	16	0.16
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	11	0.16
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	19	0.16
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	19	0.16
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD13	11	0.16
(1,3667)	1:98:A:LEU:HD22	1:98:A:LEU:HD11	20	0.16
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	12	0.16
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD23	13	0.16
(1,3628)	1:175:A:LEU:HD13	1:199:A:LEU:HB3	10	0.16
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	15	0.16
(1,3628)	1:175:A:LEU:HD11	1:199:A:LEU:HB3	16	0.16
(1,3613)	1:107:A:LYS:H	1:107:A:LYS:HG3	8	0.16
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	7	0.16
(1,3556)	1:17:A:ARG:HG2	1:17:A:ARG:HA	8	0.16
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD22	2	0.16
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	20	0.16
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	1	0.16
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	5	0.16
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	7	0.16
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	17	0.16
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	18	0.16
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	4	0.16
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	19	0.16
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	14	0.16
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	20	0.16
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	5	0.16
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	17	0.16
(1,3489)	1:125:A:GLU:HB2	1:125:A:GLU:HG2	18	0.16
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	2	0.16
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	5	0.16
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	10	0.16
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	16	0.16
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	5	0.16
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	10	0.16
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	11	0.16
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	12	0.16
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	14	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG21	1	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG21	4	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	8	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	9	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG21	11	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	12	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	13	0.16
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	16	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	5	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	7	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	9	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	11	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	19	0.16
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	20	0.16
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD13	19	0.16
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	12	0.16
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	14	0.16
(1,3451)	1:161:A:ALA:H	1:162:A:LYS:HB3	18	0.16
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	8	0.16
(1,3430)	1:173:A:GLN:HG2	1:238:A:GLN:HE21	5	0.16
(1,3415)	1:28:A:GLN:HG2	1:28:A:GLN:HE22	1	0.16
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	8	0.16
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	1	0.16
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	17	0.16
(1,3364)	1:123:A:ASP:HB2	1:122:A:ALA:HB1	8	0.16
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	5	0.16
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	9	0.16
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	14	0.16
(1,3324)	1:48:A:MET:HG2	1:56:A:ARG:HD2	4	0.16
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	3	0.16
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	13	0.16
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG23	2	0.16
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	10	0.16
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	15	0.16
(1,3283)	1:39:A:ALA:HA	1:38:A:GLN:HB3	11	0.16
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	9	0.16
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	15	0.16
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	18	0.16
(1,3261)	1:210:A:ASN:HA	1:210:A:ASN:HD22	5	0.16
(1,3243)	1:190:A:ALA:HA	1:192:A:GLU:HG3	6	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	1	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	10	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	11	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	14	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	15	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	19	0.16
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	20	0.16
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	1	0.16
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	3	0.16
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	10	0.16
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	12	0.16
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	14	0.16
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	20	0.16
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	4	0.16
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	16	0.16
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	8	0.16
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	13	0.16
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	19	0.16
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	2	0.16
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	6	0.16
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	11	0.16
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	17	0.16
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	8	0.16
(1,3138)	1:80:A:PHE:HA	1:80:A:PHE:HE1	16	0.16
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	13	0.16
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	1	0.16
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	6	0.16
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	7	0.16
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	18	0.16
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	2	0.16
(1,3070)	1:185:A:THR:HB	1:186:A:LEU:H	19	0.16
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	10	0.16
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	15	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	3	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB3	6	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	10	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	15	0.16
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	19	0.16
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	2	0.16
(1,2961)	1:199:A:LEU:HD21	1:183:A:ALA:HB1	9	0.16
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG12	11	0.16
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	10	0.16
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD13	19	0.16
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	10	0.16
(1,2942)	1:83:A:LEU:HD21	1:57:A:ILE:HA	9	0.16
(1,2942)	1:83:A:LEU:HD21	1:57:A:ILE:HA	11	0.16
(1,2942)	1:83:A:LEU:HD23	1:57:A:ILE:HA	16	0.16
(1,2935)	1:83:A:LEU:HD23	1:98:A:LEU:HB2	1	0.16
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	15	0.16
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	19	0.16
(1,2935)	1:83:A:LEU:HD21	1:98:A:LEU:HB2	20	0.16
(1,2911)	1:115:A:LEU:HD23	1:115:A:LEU:HA	13	0.16
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	10	0.16
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	3	0.16
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	15	0.16
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	18	0.16
(1,2885)	1:203:A:ARG:H	1:203:A:ARG:HG3	16	0.16
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	20	0.16
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	10	0.16
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	16	0.16
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	7	0.16
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	10	0.16
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	11	0.16
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	17	0.16
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	7	0.16
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	13	0.16
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	10	0.16
(1,2776)	1:97:A:LEU:HD12	1:98:A:LEU:HA	11	0.16
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	3	0.16
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	4	0.16
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	11	0.16
(1,2766)	1:219:A:ILE:HG12	1:218:A:GLY:H	13	0.16
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	17	0.16
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	8	0.16
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB3	8	0.16
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB2	14	0.16
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	10	0.16
(1,2677)	1:102:A:ILE:HG21	1:106:A:GLN:HE22	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	6	0.16
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	7	0.16
(1,2664)	1:219:A:ILE:H	1:215:A:MET:HE1	9	0.16
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	1	0.16
(1,2626)	1:37:A:ALA:HB1	1:34:A:GLN:H	4	0.16
(1,2626)	1:37:A:ALA:HB2	1:34:A:GLN:H	10	0.16
(1,2609)	1:175:A:LEU:HD11	1:174:A:ALA:HB1	20	0.16
(1,2591)	1:124:A:LEU:HD21	1:129:A:GLN:HG2	8	0.16
(1,2591)	1:124:A:LEU:HD22	1:129:A:GLN:HG2	18	0.16
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	1	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	2	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	3	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	4	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	6	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	9	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	11	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	13	0.16
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	17	0.16
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	16	0.16
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	7	0.16
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	8	0.16
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD22	11	0.16
(1,2503)	1:154:A:ALA:HA	1:151:A:ALA:HA	12	0.16
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD12	3	0.16
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	13	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	1	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	2	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	5	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	6	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	8	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	9	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	13	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	15	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	16	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	17	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	19	0.16
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	20	0.16
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	10	0.16
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	17	0.16
(1,2410)	1:91:A:GLN:HG3	1:91:A:GLN:H	3	0.16
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	2	0.16
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	19	0.16
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD12	1	0.16
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	4	0.16
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG22	12	0.16
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB1	16	0.16
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB3	17	0.16
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	2	0.16
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG13	16	0.16
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG13	19	0.16
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	20	0.16
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	6	0.16
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	17	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	1	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	3	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	5	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	7	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	8	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	9	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	10	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	12	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	13	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	15	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	16	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	17	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	19	0.16
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	20	0.16
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	13	0.16
(1,2278)	1:172:A:TRP:HE1	1:238:A:GLN:HG3	11	0.16
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	6	0.16
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	14	0.16
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	1	0.16
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	8	0.16
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG22	15	0.16
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	9	0.16
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	11	0.16
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	12	0.16
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	10	0.16
(1,2201)	1:137:A:ILE:HG23	1:140:A:SER:HB2	1	0.16
(1,2201)	1:137:A:ILE:HG21	1:140:A:SER:HB2	6	0.16
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	2	0.16
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	13	0.16
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	18	0.16
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD11	1	0.16
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD12	6	0.16
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	4	0.16
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	1	0.16
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	12	0.16
(1,2130)	1:153:A:ILE:HG22	1:195:A:LEU:HA	15	0.16
(1,2129)	1:153:A:ILE:HG21	1:195:A:LEU:H	19	0.16
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	9	0.16
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	13	0.16
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	8	0.16
(1,2069)	1:74:A:GLY:HA3	1:78:A:GLU:H	1	0.16
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	19	0.16
(1,1990)	1:168:A:ILE:HD11	1:167:A:ASN:HB3	20	0.16
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	1	0.16
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE1	4	0.16
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE3	6	0.16
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE3	7	0.16
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	6	0.16
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	14	0.16
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	15	0.16
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	16	0.16
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	2	0.16
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	7	0.16
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	10	0.16
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	13	0.16
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	1	0.16
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD11	2	0.16
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	16	0.16
(1,1794)	1:57:A:ILE:HD12	1:54:A:ASP:HA	2	0.16
(1,1784)	1:188:A:ILE:HD13	1:192:A:GLU:HA	15	0.16
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	6	0.16
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	11	0.16
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	19	0.16
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	10	0.16
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	7	0.16
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	8	0.16
(1,1718)	1:146:A:ILE:HG23	1:150:A:ARG:HD2	3	0.16
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	7	0.16
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	3	0.16
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	4	0.16
(1,1700)	1:220:A:ALA:HB2	1:220:A:ALA:HA	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	14	0.16
(1,1700)	1:220:A:ALA:HB2	1:220:A:ALA:HA	18	0.16
(1,1700)	1:220:A:ALA:HB2	1:220:A:ALA:HA	19	0.16
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD22	11	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	3	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	6	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB2	11	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	14	0.16
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	17	0.16
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	6	0.16
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	5	0.16
(1,1669)	1:31:A:ALA:HB2	1:37:A:ALA:H	10	0.16
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	12	0.16
(1,1669)	1:31:A:ALA:HB2	1:37:A:ALA:H	19	0.16
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	1	0.16
(1,1661)	1:66:A:ALA:HB3	1:70:A:GLU:HG2	13	0.16
(1,1659)	1:66:A:ALA:HB1	1:63:A:ALA:HA	13	0.16
(1,1633)	1:201:A:LEU:HD23	1:204:A:VAL:HG23	17	0.16
(1,1624)	1:37:A:ALA:HB1	1:31:A:ALA:HA	13	0.16
(1,1616)	1:77:A:VAL:HG11	1:77:A:VAL:HA	10	0.16
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	13	0.16
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	14	0.16
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	17	0.16
(1,1616)	1:77:A:VAL:HG11	1:77:A:VAL:HA	19	0.16
(1,1602)	1:30:A:THR:HG22	1:34:A:GLN:HE22	2	0.16
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	9	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG21	1	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	2	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	3	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	4	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	7	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG21	12	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	13	0.16
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	20	0.16
(1,1577)	1:204:A:VAL:HG13	1:204:A:VAL:HG21	4	0.16
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	6	0.16
(1,1574)	1:195:A:LEU:HD13	1:198:A:TRP:HD1	10	0.16
(1,1574)	1:195:A:LEU:HD11	1:198:A:TRP:HD1	13	0.16
(1,1568)	1:73:A:THR:HG21	1:105:A:ALA:HB2	11	0.16
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	12	0.16
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	14	0.16
(1,1460)	1:159:A:LEU:HD22	1:166:A:GLN:HE21	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	3	0.16
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	10	0.16
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	3	0.16
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	18	0.16
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	1	0.16
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD13	8	0.16
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD13	13	0.16
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	16	0.16
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	1	0.16
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	12	0.16
(1,1351)	1:121:A:PRO:HB3	1:122:A:ALA:H	8	0.16
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	2	0.16
(1,1278)	1:178:A:MET:HG3	1:178:A:MET:HA	5	0.16
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	19	0.16
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	1	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	2	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	3	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	7	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	8	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	11	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	15	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	17	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	18	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	19	0.16
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	20	0.16
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	7	0.16
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	11	0.16
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	12	0.16
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	16	0.16
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	18	0.16
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	2	0.16
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	5	0.16
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	16	0.16
(1,1216)	1:233:A:LYS:H	1:234:A:MET:HB3	14	0.16
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	17	0.16
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	4	0.16
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	11	0.16
(1,1174)	1:163:A:GLU:HG3	1:159:A:LEU:H	20	0.16
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	1	0.16
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	14	0.16
(1,1126)	1:192:A:GLU:HG2	1:195:A:LEU:HD22	4	0.16
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	2	0.16
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	3	0.16
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	4	0.16
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	5	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD22	1	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	2	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	6	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	12	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	14	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	16	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD23	17	0.16
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD21	19	0.16
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	19	0.16
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	11	0.16
(1,1085)	1:122:A:ALA:H	1:123:A:ASP:HB2	20	0.16
(1,1076)	1:45:A:LEU:HB3	1:42:A:ALA:HA	4	0.16
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	3	0.16
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	13	0.16
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	15	0.16
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	16	0.16
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	1	0.16
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	10	0.16
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	11	0.16
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	19	0.16
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	1	0.16
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	3	0.16
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	8	0.16
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	9	0.16
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	14	0.16
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	16	0.16
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	20	0.16
(1,1006)	1:93:A:ARG:HD2	1:124:A:LEU:HA	11	0.16
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	8	0.16
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	11	0.16
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	1	0.16
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	8	0.16
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	1	0.16
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD23	6	0.16
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	14	0.16
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	17	0.16
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	1	0.16
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	5	0.16
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	7	0.16
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	15	0.16
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	1	0.16
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	7	0.16
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	10	0.16
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	13	0.16
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	18	0.16
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	9	0.16
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	14	0.16
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	10	0.16
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	11	0.16
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	10	0.16
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	17	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	5	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	7	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	8	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	13	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	14	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	16	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	17	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	18	0.16
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	19	0.16
(1,762)	1:101:A:GLU:HA	1:104:A:LEU:HB2	4	0.16
(1,757)	1:140:A:SER:HA	1:113:A:GLN:HE21	15	0.16
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD22	4	0.16
(1,756)	1:140:A:SER:HA	1:148:A:LEU:HD23	16	0.16
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	2	0.16
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	7	0.16
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	9	0.16
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	14	0.16
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	2	0.16
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	6	0.16
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	20	0.16
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	20	0.16
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	1	0.16
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	6	0.16
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	14	0.16
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	16	0.16
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	17	0.16
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	18	0.16
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	6	0.16
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	10	0.16
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	14	0.16
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	1	0.16
(1,617)	1:18:A:GLY:H	1:18:A:GLY:HA3	4	0.16
(1,577)	1:214:A:MET:H	1:212:A:PRO:HA	1	0.16
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	1	0.16
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	3	0.16
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	10	0.16
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	16	0.16
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	19	0.16
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	2	0.16
(1,547)	1:205:A:TRP:HZ2	1:209:A:ARG:HB2	5	0.16
(1,543)	1:32:A:TYR:HD2	1:28:A:GLN:HB2	15	0.16
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	7	0.16
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	17	0.16
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	12	0.16
(1,464)	1:33:A:MET:HE1	1:62:A:LEU:HD21	11	0.16
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	1	0.16
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	3	0.16
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	13	0.16
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	14	0.16
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	19	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	1	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD22	4	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	10	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	13	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	15	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	17	0.16
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	19	0.16
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD11	8	0.16
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD11	11	0.16
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	19	0.16
(1,375)	1:87:A:LEU:HD23	1:95:A:LYS:HE3	2	0.16
(1,346)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	13	0.16
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	10	0.16
(1,338)	1:42:A:ALA:H	1:42:A:ALA:HB3	20	0.16
(1,333)	1:116:A:LEU:HD21	1:100:A:VAL:HB	3	0.16
(1,312)	1:86:A:GLU:HG3	1:86:A:GLU:HB2	16	0.16
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	5	0.16
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	8	0.16
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	15	0.16
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	19	0.16
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	20	0.16
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	2	0.16
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	4	0.16
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	5	0.16
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	1	0.16
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	12	0.16
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	4	0.16
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	17	0.16
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	14	0.16
(1,271)	1:54:A:ASP:HB2	1:55:A:THR:HA	8	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	2	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	3	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	4	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	5	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	7	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	8	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	10	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	11	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	12	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	14	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	15	0.16
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	19	0.16
(1,249)	1:247:A:PRO:HD2	1:248:A:ALA:H	17	0.16
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	11	0.16
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	6	0.16
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	18	0.16
(1,5861)	1:150:A:ARG:H	1:150:A:ARG:HB2	18	0.15
(1,5846)	1:238:A:GLN:H	1:238:A:GLN:HG2	10	0.15
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	2	0.15
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	13	0.15
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	18	0.15
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	2	0.15
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	3	0.15
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	4	0.15
(1,5763)	1:249:A:SER:H	1:248:A:ALA:H	19	0.15
(1,5731)	1:115:A:LEU:H	1:100:A:VAL:HG21	18	0.15
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	8	0.15
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	12	0.15
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	3	0.15
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	15	0.15
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	5	0.15
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	13	0.15
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	1	0.15
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	7	0.15
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	8	0.15
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	10	0.15
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	14	0.15
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	19	0.15
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	3	0.15
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	5	0.15
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	10	0.15
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	16	0.15
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	17	0.15
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	5	0.15
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	8	0.15
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	9	0.15
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	13	0.15
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	15	0.15
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	16	0.15
(1,5445)	1:190:A:ALA:H	1:189:A:ASN:H	4	0.15
(1,5445)	1:190:A:ALA:H	1:189:A:ASN:H	6	0.15
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	1	0.15
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG22	6	0.15
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	20	0.15
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	15	0.15
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	5	0.15
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	13	0.15
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	14	0.15
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	2	0.15
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	7	0.15
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	10	0.15
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	16	0.15
(1,5284)	1:22:A:GLY:H	1:21:A:MET:HB3	17	0.15
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	1	0.15
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	5	0.15
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	16	0.15
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	3	0.15
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB1	5	0.15
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB1	8	0.15
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	9	0.15
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB1	19	0.15
(1,5226)	1:186:A:LEU:H	1:184:A:ASN:H	9	0.15
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	12	0.15
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	18	0.15
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	20	0.15
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	9	0.15
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	11	0.15
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	16	0.15
(1,5220)	1:118:A:LYS:H	1:117:A:ALA:HB1	11	0.15
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG22	4	0.15
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG23	10	0.15
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG21	11	0.15
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB3	14	0.15
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	2	0.15
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	3	0.15
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	15	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	1	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB1	2	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	5	0.15
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	10	0.15
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	6	0.15
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	14	0.15
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	17	0.15
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	19	0.15
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	20	0.15
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	4	0.15
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	1	0.15
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	9	0.15
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	11	0.15
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	5	0.15
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	9	0.15
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	13	0.15
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	19	0.15
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	20	0.15
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	11	0.15
(1,5050)	1:124:A:LEU:H	1:124:A:LEU:HD23	13	0.15
(1,5035)	1:114:A:ASN:H	1:114:A:ASN:HD22	3	0.15
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	3	0.15
(1,4990)	1:61:A:LEU:H	1:83:A:LEU:HD23	16	0.15
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD12	3	0.15
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	5	0.15
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	2	0.15
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	4	0.15
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	10	0.15
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	13	0.15
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	12	0.15
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	4	0.15
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	10	0.15
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	14	0.15
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	17	0.15
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB1	8	0.15
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	17	0.15
(1,4866)	1:245:A:PHE:H	1:244:A:ALA:HB2	20	0.15
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG23	4	0.15
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG22	15	0.15
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	14	0.15
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	12	0.15
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	6	0.15
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	7	0.15
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	16	0.15
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	4	0.15
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	18	0.15
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	13	0.15
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	4	0.15
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	5	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	3	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	4	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	5	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	6	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	8	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	9	0.15
(1,4657)	1:195:A:LEU:H	1:195:A:LEU:HB3	14	0.15
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	8	0.15
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	9	0.15
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	16	0.15
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	8	0.15
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	8	0.15
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB1	18	0.15
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	5	0.15
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	14	0.15
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	19	0.15
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB3	1	0.15
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	16	0.15
(1,4518)	1:206:A:PHE:HD2	1:203:A:ARG:H	13	0.15
(1,4486)	1:37:A:ALA:HB2	1:32:A:TYR:HD1	12	0.15
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	20	0.15
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	2	0.15
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	3	0.15
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	5	0.15
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	7	0.15
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	12	0.15
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	1	0.15
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	3	0.15
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	6	0.15
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	14	0.15
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	19	0.15
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	20	0.15
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	7	0.15
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	2	0.15
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	3	0.15
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	10	0.15
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	17	0.15
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	2	0.15
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	3	0.15
(1,4434)	1:37:A:ALA:HB1	1:32:A:TYR:HE1	16	0.15
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	16	0.15
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	17	0.15
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	10	0.15
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	11	0.15
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	20	0.15
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	13	0.15
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	9	0.15
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	14	0.15
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	18	0.15
(1,4342)	1:176:A:SER:HB3	1:172:A:TRP:HZ2	3	0.15
(1,4321)	1:146:A:ILE:HD13	1:150:A:ARG:HD3	13	0.15
(1,4321)	1:146:A:ILE:HD12	1:150:A:ARG:HD3	20	0.15
(1,4309)	1:83:A:LEU:HD12	1:60:A:GLN:HE22	1	0.15
(1,4308)	1:83:A:LEU:HD12	1:60:A:GLN:HE21	16	0.15
(1,4303)	1:54:A:ASP:HB3	1:91:A:GLN:HE22	12	0.15
(1,4303)	1:54:A:ASP:HB3	1:91:A:GLN:HE22	13	0.15
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	19	0.15
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD11	9	0.15
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	6	0.15
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	12	0.15
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	13	0.15
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	14	0.15
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	13	0.15
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	17	0.15
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	2	0.15
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	15	0.15
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	17	0.15
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	15	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	2	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	3	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	5	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	6	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	7	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	9	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	10	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	11	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	13	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	14	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	15	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	16	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	17	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	19	0.15
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	20	0.15
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	3	0.15
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	8	0.15
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD21	1	0.15
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD23	3	0.15
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD22	18	0.15
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	8	0.15
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	14	0.15
(1,4083)	1:239:A:LEU:HD11	1:205:A:TRP:HB3	18	0.15
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	18	0.15
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	11	0.15
(1,4042)	1:61:A:LEU:HD11	1:91:A:GLN:HG3	1	0.15
(1,4034)	1:38:A:GLN:HB3	1:32:A:TYR:HE1	17	0.15
(1,4028)	1:128:A:GLN:HB3	1:124:A:LEU:HG	7	0.15
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD21	8	0.15
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	14	0.15
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	18	0.15
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	16	0.15
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	19	0.15
(1,3966)	1:48:A:MET:HE1	1:45:A:LEU:HA	19	0.15
(1,3938)	1:97:A:LEU:HD23	1:132:A:TYR:HD2	15	0.15
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	6	0.15
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	8	0.15
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	6	0.15
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	19	0.15
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	13	0.15
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	16	0.15
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	5	0.15
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	12	0.15
(1,3761)	1:159:A:LEU:HD11	1:163:A:GLU:H	4	0.15
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	2	0.15
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	8	0.15
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD12	14	0.15
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD13	10	0.15
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	3	0.15
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	5	0.15
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	8	0.15
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	6	0.15
(1,3719)	1:33:A:MET:HE1	1:33:A:MET:HG3	15	0.15
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG22	3	0.15
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD11	10	0.15
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD13	17	0.15
(1,3642)	1:186:A:LEU:HG	1:186:A:LEU:HD22	3	0.15
(1,3628)	1:175:A:LEU:HD13	1:199:A:LEU:HB3	17	0.15
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	19	0.15
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	4	0.15
(1,3599)	1:152:A:LEU:HD21	1:152:A:LEU:HD11	14	0.15
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD13	16	0.15
(1,3591)	1:199:A:LEU:HB2	1:199:A:LEU:HD11	18	0.15
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	1	0.15
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	15	0.15
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	18	0.15
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	8	0.15
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	12	0.15
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	14	0.15
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	15	0.15
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	20	0.15
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	3	0.15
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	2	0.15
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	4	0.15
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	6	0.15
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	18	0.15
(1,3493)	1:72:A:LYS:HD3	1:70:A:GLU:HG3	2	0.15
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	7	0.15
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	2	0.15
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	17	0.15
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	6	0.15
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	15	0.15
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	17	0.15
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	18	0.15
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG22	20	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	1	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	2	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	3	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	4	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	6	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	13	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	14	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	15	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	16	0.15
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	18	0.15
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	10	0.15
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	16	0.15
(1,3415)	1:28:A:GLN:HG2	1:28:A:GLN:HE22	3	0.15
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	16	0.15
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD13	14	0.15
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	5	0.15
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	4	0.15
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	11	0.15
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	13	0.15
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	16	0.15
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	2	0.15
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	6	0.15
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	9	0.15
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	18	0.15
(1,3324)	1:48:A:MET:HG2	1:56:A:ARG:HD2	7	0.15
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	3	0.15
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	7	0.15
(1,3243)	1:190:A:ALA:HA	1:192:A:GLU:HG3	5	0.15
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	6	0.15
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	18	0.15
(1,3239)	1:110:A:ALA:HA	1:113:A:GLN:HB2	11	0.15
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	8	0.15
(1,3237)	1:82:A:GLN:HA	1:81:A:ASN:HB2	9	0.15
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	9	0.15
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	12	0.15
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	14	0.15
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	10	0.15
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	3	0.15
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	5	0.15
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	12	0.15
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	14	0.15
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	2	0.15
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	19	0.15
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	1	0.15
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	3	0.15
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	9	0.15
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	19	0.15
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	9	0.15
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	17	0.15
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	18	0.15
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD22	14	0.15
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	11	0.15
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	17	0.15
(1,3061)	1:232:A:ALA:HB1	1:223:A:GLN:HG3	18	0.15
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	1	0.15
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	3	0.15
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	4	0.15
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	17	0.15
(1,3060)	1:203:A:ARG:HB3	1:203:A:ARG:HD3	20	0.15
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	17	0.15
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB3	16	0.15
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	18	0.15
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	9	0.15
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	12	0.15
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	5	0.15
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	6	0.15
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	11	0.15
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	17	0.15
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	14	0.15
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD11	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	9	0.15
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD13	17	0.15
(1,2920)	1:83:A:LEU:HD11	1:96:A:THR:H	1	0.15
(1,2895)	1:217:A:ALA:HB1	1:216:A:LYS:HD2	7	0.15
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	8	0.15
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	11	0.15
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	4	0.15
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	9	0.15
(1,2873)	1:219:A:ILE:HG21	1:216:A:LYS:HA	5	0.15
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD22	20	0.15
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	10	0.15
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG22	1	0.15
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG22	4	0.15
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	13	0.15
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	15	0.15
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	1	0.15
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	8	0.15
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	9	0.15
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	12	0.15
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	14	0.15
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	1	0.15
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	11	0.15
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	2	0.15
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	6	0.15
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	8	0.15
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	18	0.15
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	19	0.15
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	20	0.15
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	12	0.15
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD11	17	0.15
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG11	11	0.15
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG12	19	0.15
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	9	0.15
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	9	0.15
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	10	0.15
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	8	0.15
(1,2701)	1:234:A:MET:H	1:168:A:ILE:HD13	5	0.15
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB1	1	0.15
(1,2674)	1:130:A:ALA:HB1	1:127:A:ASN:HD22	13	0.15
(1,2659)	1:183:A:ALA:HB3	1:184:A:ASN:HD22	18	0.15
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	3	0.15
(1,2609)	1:175:A:LEU:HD12	1:174:A:ALA:HB2	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	6	0.15
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	7	0.15
(1,2562)	1:158:A:LEU:HD22	1:158:A:LEU:HD13	17	0.15
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	13	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	2	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	4	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	5	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	6	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	7	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	8	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	9	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	12	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	14	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	16	0.15
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	20	0.15
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	1	0.15
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	14	0.15
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	15	0.15
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	18	0.15
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	20	0.15
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	4	0.15
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	17	0.15
(1,2504)	1:154:A:ALA:HA	1:158:A:LEU:HD21	16	0.15
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	15	0.15
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	19	0.15
(1,2478)	1:85:A:GLN:HA	1:85:A:GLN:HB3	18	0.15
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	4	0.15
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	6	0.15
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	1	0.15
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	11	0.15
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	14	0.15
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	15	0.15
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	6	0.15
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	8	0.15
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	11	0.15
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	20	0.15
(1,2417)	1:95:A:LYS:HD3	1:87:A:LEU:HD23	12	0.15
(1,2410)	1:91:A:GLN:HG3	1:91:A:GLN:H	19	0.15
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	12	0.15
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	13	0.15
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	19	0.15
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	20	0.15
(1,2373)	1:76:A:ALA:HB2	1:102:A:ILE:HD12	7	0.15
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	9	0.15
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	8	0.15
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	16	0.15
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD23	18	0.15
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	16	0.15
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	18	0.15
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	1	0.15
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	8	0.15
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	18	0.15
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	16	0.15
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG21	20	0.15
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	14	0.15
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	18	0.15
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	15	0.15
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	17	0.15
(1,2313)	1:240:A:VAL:HA	1:239:A:LEU:HB2	10	0.15
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	2	0.15
(1,2312)	1:240:A:VAL:HA	1:239:A:LEU:HA	14	0.15
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	20	0.15
(1,2253)	1:246:A:LYS:HD3	1:247:A:PRO:HD3	17	0.15
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	6	0.15
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	7	0.15
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	13	0.15
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	15	0.15
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	18	0.15
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	20	0.15
(1,2201)	1:137:A:ILE:HG21	1:140:A:SER:HB2	7	0.15
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	4	0.15
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	14	0.15
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	19	0.15
(1,2190)	1:215:A:MET:HE1	1:219:A:ILE:HD11	4	0.15
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	10	0.15
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	17	0.15
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	6	0.15
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	19	0.15
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	20	0.15
(1,2129)	1:153:A:ILE:HG21	1:195:A:LEU:H	1	0.15
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	4	0.15
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	14	0.15
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	6	0.15
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	11	0.15
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	20	0.15
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	9	0.15
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	20	0.15
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	3	0.15
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	5	0.15
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	15	0.15
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	8	0.15
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	12	0.15
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	20	0.15
(1,1973)	1:146:A:ILE:HD13	1:189:A:ASN:H	8	0.15
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	4	0.15
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE3	10	0.15
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE2	11	0.15
(1,1898)	1:233:A:LYS:H	1:233:A:LYS:HB2	9	0.15
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	8	0.15
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	9	0.15
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB1	15	0.15
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	17	0.15
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB3	18	0.15
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	20	0.15
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	6	0.15
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG22	6	0.15
(1,1792)	1:102:A:ILE:HD12	1:102:A:ILE:HG23	11	0.15
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG23	19	0.15
(1,1780)	1:137:A:ILE:HD12	1:137:A:ILE:HA	12	0.15
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	8	0.15
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	14	0.15
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	2	0.15
(1,1737)	1:33:A:MET:HE2	1:30:A:THR:HA	8	0.15
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	12	0.15
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	5	0.15
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	12	0.15
(1,1699)	1:171:A:THR:HG22	1:152:A:LEU:HD21	3	0.15
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD23	9	0.15
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD23	19	0.15
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB2	2	0.15
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	13	0.15
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB2	15	0.15
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	3	0.15
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:31:A:ALA:HB3	1:37:A:ALA:H	13	0.15
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	18	0.15
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	14	0.15
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	20	0.15
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	10	0.15
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	16	0.15
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG22	18	0.15
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	5	0.15
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	6	0.15
(1,1585)	1:158:A:LEU:HD12	1:158:A:LEU:HA	15	0.15
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	17	0.15
(1,1568)	1:73:A:THR:HG22	1:105:A:ALA:HB2	13	0.15
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	10	0.15
(1,1529)	1:69:A:LYS:HG2	1:69:A:LYS:HA	1	0.15
(1,1529)	1:69:A:LYS:HG2	1:69:A:LYS:HA	12	0.15
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	3	0.15
(1,1490)	1:235:A:LEU:HD11	1:235:A:LEU:HG	12	0.15
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	18	0.15
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	15	0.15
(1,1460)	1:159:A:LEU:HD21	1:166:A:GLN:HE21	17	0.15
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	16	0.15
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	2	0.15
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	5	0.15
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	7	0.15
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	10	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	4	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	6	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	8	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	9	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	16	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	18	0.15
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	20	0.15
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	6	0.15
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	5	0.15
(1,1375)	1:146:A:ILE:HG13	1:186:A:LEU:HD12	3	0.15
(1,1328)	1:225:A:ARG:HB3	1:222:A:TRP:HA	11	0.15
(1,1328)	1:225:A:ARG:HB3	1:222:A:TRP:HA	15	0.15
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	4	0.15
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	2	0.15
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	11	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	4	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	6	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	9	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	10	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	12	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	13	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	14	0.15
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	16	0.15
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	14	0.15
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	19	0.15
(1,1222)	1:141:A:GLN:HG2	1:141:A:GLN:HE22	13	0.15
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	8	0.15
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	10	0.15
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	15	0.15
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	19	0.15
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	5	0.15
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	15	0.15
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	16	0.15
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	18	0.15
(1,1188)	1:126:A:GLN:H	1:125:A:GLU:HG2	11	0.15
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD13	18	0.15
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	9	0.15
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	17	0.15
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG23	19	0.15
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	18	0.15
(1,1123)	1:193:A:ASN:HB3	1:194:A:ILE:HG12	20	0.15
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	6	0.15
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	12	0.15
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	15	0.15
(1,1102)	1:229:A:ASN:HB3	1:198:A:TRP:HA	17	0.15
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	9	0.15
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	1	0.15
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	2	0.15
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	11	0.15
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	18	0.15
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	2	0.15
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	4	0.15
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	8	0.15
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	9	0.15
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	10	0.15
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	5	0.15
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	12	0.15
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	16	0.15
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	17	0.15
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	8	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	5	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	12	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	16	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	17	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	18	0.15
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	19	0.15
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	15	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	1	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	2	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	7	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	8	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	10	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	12	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	13	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	14	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	15	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	17	0.15
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	19	0.15
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD23	13	0.15
(1,999)	1:93:A:ARG:HD3	1:119:A:ILE:HG21	18	0.15
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	20	0.15
(1,953)	1:212:A:PRO:HD3	1:211:A:ASP:HB3	12	0.15
(1,953)	1:212:A:PRO:HD3	1:211:A:ASP:HB3	13	0.15
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	10	0.15
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	3	0.15
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	13	0.15
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	14	0.15
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	15	0.15
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	18	0.15
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	12	0.15
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	14	0.15
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	18	0.15
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	20	0.15
(1,876)	1:243:A:LYS:HA	1:242:A:VAL:HG22	2	0.15
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	4	0.15
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	6	0.15
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	9	0.15
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	11	0.15
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	13	0.15
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	4	0.15
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	9	0.15
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	12	0.15
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	17	0.15
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	2	0.15
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	9	0.15
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	5	0.15
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	12	0.15
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	1	0.15
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	8	0.15
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	9	0.15
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	20	0.15
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	6	0.15
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	10	0.15
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	12	0.15
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	20	0.15
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	19	0.15
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	3	0.15
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	8	0.15
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	20	0.15
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	5	0.15
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	9	0.15
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	16	0.15
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	5	0.15
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	6	0.15
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	8	0.15
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	11	0.15
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	13	0.15
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	4	0.15
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	10	0.15
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	13	0.15
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	17	0.15
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	18	0.15
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	19	0.15
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	18	0.15
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	16	0.15
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	6	0.15
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	14	0.15
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	19	0.15
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	5	0.15
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	18	0.15
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	15	0.15
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	20	0.15
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	14	0.15
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB1	20	0.15
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	8	0.15
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	9	0.15
(1,517)	1:44:A:TYR:HB3	1:41:A:SER:HA	10	0.15
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	6	0.15
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE3	14	0.15
(1,489)	1:182:A:GLN:HB3	1:182:A:GLN:HG2	15	0.15
(1,465)	1:189:A:ASN:HB3	1:192:A:GLU:HG3	20	0.15
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	2	0.15
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	5	0.15
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD23	12	0.15
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD22	16	0.15
(1,416)	1:239:A:LEU:HD21	1:239:A:LEU:HD13	7	0.15
(1,416)	1:239:A:LEU:HD22	1:239:A:LEU:HD13	9	0.15
(1,407)	1:50:A:GLN:HB3	1:50:A:GLN:HG3	12	0.15
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	1	0.15
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	11	0.15
(1,333)	1:116:A:LEU:HD23	1:100:A:VAL:HB	7	0.15
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	2	0.15
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	3	0.15
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	6	0.15
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	7	0.15
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	12	0.15
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	18	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	7	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	9	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	10	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	17	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	18	0.15
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	20	0.15
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	3	0.15
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	5	0.15
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	8	0.15
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	14	0.15
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	17	0.15
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	17	0.15
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	9	0.15
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	9	0.15
(1,259)	1:203:A:ARG:HD3	1:203:A:ARG:HG2	16	0.15
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	9	0.15
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	15	0.15
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	3	0.15
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	19	0.15
(1,5846)	1:238:A:GLN:H	1:238:A:GLN:HG2	15	0.14
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	5	0.14
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	7	0.14
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	17	0.14
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	8	0.14
(1,5790)	1:135:A:ALA:H	1:136:A:LYS:HB2	17	0.14
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	9	0.14
(1,5693)	1:21:A:MET:H	1:21:A:MET:HB3	14	0.14
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	9	0.14
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	20	0.14
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	18	0.14
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD13	11	0.14
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB1	6	0.14
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB1	12	0.14
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	9	0.14
(1,5557)	1:207:A:ASP:H	1:206:A:PHE:HB3	13	0.14
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	17	0.14
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	13	0.14
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	2	0.14
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	9	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	1	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	2	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	6	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	7	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	11	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	13	0.14
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	20	0.14
(1,5487)	1:95:A:LYS:H	1:93:A:ARG:HA	12	0.14
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	2	0.14
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	3	0.14
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	11	0.14
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	14	0.14
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	18	0.14
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	19	0.14
(1,5445)	1:190:A:ALA:H	1:189:A:ASN:H	5	0.14
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	1	0.14
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	3	0.14
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	9	0.14
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	10	0.14
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	12	0.14
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	18	0.14
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	4	0.14
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	6	0.14
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	8	0.14
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	17	0.14
(1,5284)	1:22:A:GLY:H	1:21:A:MET:HB3	9	0.14
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	4	0.14
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	3	0.14
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	7	0.14
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	8	0.14
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	11	0.14
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	17	0.14
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	9	0.14
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	10	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	1	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	5	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	6	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	10	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	15	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	16	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	17	0.14
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	19	0.14
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB2	13	0.14
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB1	17	0.14
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	18	0.14
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB1	20	0.14
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	13	0.14
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	19	0.14
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	1	0.14
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	4	0.14
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	4	0.14
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	18	0.14
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG23	9	0.14
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG21	15	0.14
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB1	8	0.14
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	3	0.14
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	7	0.14
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	12	0.14
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB1	14	0.14
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	5	0.14
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	8	0.14
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	8	0.14
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	18	0.14
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	20	0.14
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	4	0.14
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	10	0.14
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	16	0.14
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	3	0.14
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	4	0.14
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	5	0.14
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	7	0.14
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	16	0.14
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	18	0.14
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	1	0.14
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	10	0.14
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	11	0.14
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	18	0.14
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	9	0.14
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	13	0.14
(1,5046)	1:156:A:GLU:H	1:155:A:GLN:HG2	7	0.14
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	1	0.14
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	6	0.14
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	8	0.14
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	11	0.14
(1,4985)	1:159:A:LEU:H	1:159:A:LEU:HD13	16	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	8	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	9	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	11	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	15	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	16	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	18	0.14
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	19	0.14
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	1	0.14
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	5	0.14
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	3	0.14
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	13	0.14
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	3	0.14
(1,4830)	1:27:A:ASP:H	1:26:A:PRO:HB3	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4826)	1:53:A:ASP:H	1:52:A:SER:HB2	4	0.14
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	4	0.14
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	8	0.14
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	3	0.14
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	2	0.14
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	17	0.14
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	19	0.14
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	15	0.14
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD23	11	0.14
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	20	0.14
(1,4686)	1:194:A:ILE:H	1:193:A:ASN:HB3	16	0.14
(1,4676)	1:244:A:ALA:H	1:244:A:ALA:HB3	20	0.14
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	9	0.14
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD12	5	0.14
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	4	0.14
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	14	0.14
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	19	0.14
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	14	0.14
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	13	0.14
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	4	0.14
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	6	0.14
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	10	0.14
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	4	0.14
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	14	0.14
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	3	0.14
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	18	0.14
(1,4523)	1:43:A:PHE:HZ	1:59:A:TRP:HZ2	19	0.14
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	13	0.14
(1,4496)	1:132:A:TYR:H	1:132:A:TYR:HD1	16	0.14
(1,4489)	1:172:A:TRP:HD1	1:238:A:GLN:HG3	6	0.14
(1,4486)	1:37:A:ALA:HB1	1:32:A:TYR:HD1	4	0.14
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	8	0.14
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	1	0.14
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	4	0.14
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	16	0.14
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	19	0.14
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	10	0.14
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	11	0.14
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	12	0.14
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	15	0.14
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	10	0.14
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	19	0.14
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	8	0.14
(1,4434)	1:37:A:ALA:HB1	1:32:A:TYR:HE1	17	0.14
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	19	0.14
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	20	0.14
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	1	0.14
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	10	0.14
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	19	0.14
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	3	0.14
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	7	0.14
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	12	0.14
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	19	0.14
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	8	0.14
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	10	0.14
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	11	0.14
(1,4342)	1:176:A:SER:HB3	1:172:A:TRP:HZ2	14	0.14
(1,4321)	1:146:A:ILE:HD11	1:150:A:ARG:HD3	4	0.14
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	3	0.14
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	5	0.14
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	13	0.14
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	17	0.14
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD11	1	0.14
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD13	17	0.14
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	4	0.14
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	10	0.14
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	15	0.14
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	19	0.14
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	2	0.14
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	6	0.14
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	12	0.14
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	16	0.14
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	8	0.14
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	13	0.14
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	12	0.14
(1,4166)	1:103:A:LYS:HG2	1:112:A:ALA:HA	8	0.14
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	17	0.14
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD22	13	0.14
(1,4089)	1:70:A:GLU:HG2	1:67:A:LEU:HD21	16	0.14
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	12	0.14
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	10	0.14
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	14	0.14
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3995)	1:36:A:THR:HB	1:34:A:GLN:HB3	7	0.14
(1,3994)	1:36:A:THR:HB	1:34:A:GLN:HB2	4	0.14
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	17	0.14
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	2	0.14
(1,3946)	1:227:A:PRO:HD2	1:225:A:ARG:HB2	19	0.14
(1,3936)	1:243:A:LYS:HG2	1:240:A:VAL:HA	20	0.14
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	2	0.14
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	9	0.14
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD12	1	0.14
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	10	0.14
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	15	0.14
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	16	0.14
(1,3895)	1:64:A:ILE:HG22	1:98:A:LEU:HA	3	0.14
(1,3895)	1:64:A:ILE:HG23	1:98:A:LEU:HA	16	0.14
(1,3885)	1:69:A:LYS:HG3	1:65:A:ARG:HD2	17	0.14
(1,3797)	1:179:A:THR:HG22	1:179:A:THR:HA	5	0.14
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	8	0.14
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	18	0.14
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	15	0.14
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD11	17	0.14
(1,3741)	1:209:A:ARG:HD2	1:210:A:ASN:H	10	0.14
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	8	0.14
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	20	0.14
(1,3719)	1:33:A:MET:HE2	1:33:A:MET:HG3	17	0.14
(1,3714)	1:146:A:ILE:HG23	1:150:A:ARG:H	3	0.14
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	3	0.14
(1,3628)	1:175:A:LEU:HD13	1:199:A:LEU:HB3	2	0.14
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	8	0.14
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	15	0.14
(1,3599)	1:152:A:LEU:HD23	1:152:A:LEU:HD11	18	0.14
(1,3588)	1:104:A:LEU:HD12	1:102:A:ILE:H	8	0.14
(1,3551)	1:62:A:LEU:HD23	1:62:A:LEU:H	13	0.14
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	6	0.14
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	6	0.14
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	10	0.14
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	2	0.14
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	5	0.14
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	14	0.14
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	15	0.14
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	17	0.14
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	20	0.14
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	5	0.14
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	17	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	1	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	3	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	5	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	9	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	10	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	12	0.14
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	15	0.14
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	1	0.14
(1,3478)	1:163:A:GLU:HB3	1:163:A:GLU:HG2	1	0.14
(1,3476)	1:164:A:LYS:H	1:163:A:GLU:HB3	9	0.14
(1,3475)	1:102:A:ILE:HG13	1:102:A:ILE:HG23	5	0.14
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	4	0.14
(1,3464)	1:157:A:PRO:HD3	1:157:A:PRO:HB2	12	0.14
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	4	0.14
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	14	0.14
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	15	0.14
(1,3430)	1:173:A:GLN:HG2	1:238:A:GLN:HE21	8	0.14
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	6	0.14
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	7	0.14
(1,3422)	1:34:A:GLN:HG3	1:31:A:ALA:HA	17	0.14
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	5	0.14
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	6	0.14
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	13	0.14
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	14	0.14
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	4	0.14
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	13	0.14
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	14	0.14
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	18	0.14
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	19	0.14
(1,3369)	1:229:A:ASN:HB3	1:228:A:ASN:HD21	13	0.14
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	9	0.14
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	11	0.14
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	12	0.14
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	20	0.14
(1,3324)	1:48:A:MET:HG2	1:56:A:ARG:HD2	13	0.14
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	20	0.14
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	18	0.14
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	8	0.14
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	9	0.14
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	7	0.14
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	8	0.14
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	11	0.14
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	19	0.14
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	3	0.14
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	17	0.14
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	18	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	4	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	5	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	6	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	11	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	12	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	14	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	17	0.14
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	18	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	1	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	3	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	10	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	15	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	17	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	18	0.14
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	20	0.14
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	9	0.14
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	16	0.14
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	17	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	2	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	5	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	6	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	7	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	8	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	10	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	14	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	15	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	17	0.14
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	20	0.14
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	2	0.14
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	12	0.14
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	14	0.14
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	5	0.14
(1,3129)	1:29:A:SER:HB2	1:62:A:LEU:HD21	15	0.14
(1,3116)	1:242:A:VAL:HA	1:212:A:PRO:HG3	18	0.14
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	5	0.14
(1,3061)	1:232:A:ALA:HB1	1:223:A:GLN:HG3	1	0.14
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB3	2	0.14
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	7	0.14
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	12	0.14
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	13	0.14
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB2	17	0.14
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	5	0.14
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	16	0.14
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	18	0.14
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	10	0.14
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	20	0.14
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	2	0.14
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	4	0.14
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	7	0.14
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	8	0.14
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	9	0.14
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	18	0.14
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	15	0.14
(1,2967)	1:158:A:LEU:HD21	1:159:A:LEU:HG	14	0.14
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	4	0.14
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	5	0.14
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	11	0.14
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	15	0.14
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	18	0.14
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	19	0.14
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	5	0.14
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD13	13	0.14
(1,2920)	1:83:A:LEU:HD12	1:96:A:THR:H	19	0.14
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	3	0.14
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	7	0.14
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	16	0.14
(1,2895)	1:217:A:ALA:HB1	1:216:A:LYS:HD2	1	0.14
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	2	0.14
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	4	0.14
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	6	0.14
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	9	0.14
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	12	0.14
(1,2887)	1:235:A:LEU:HB3	1:240:A:VAL:HA	13	0.14
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	1	0.14
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	10	0.14
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	14	0.14
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	17	0.14
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	7	0.14
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD21	8	0.14
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	14	0.14
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	5	0.14
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	13	0.14
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	3	0.14
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	14	0.14
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	15	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	1	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	3	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	4	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	5	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	7	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	9	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	11	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	12	0.14
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	14	0.14
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD11	7	0.14
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB1	7	0.14
(1,2779)	1:164:A:LYS:HE3	1:161:A:ALA:HB3	16	0.14
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG11	2	0.14
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	9	0.14
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	14	0.14
(1,2757)	1:62:A:LEU:HD13	1:65:A:ARG:HD3	15	0.14
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB3	4	0.14
(1,2704)	1:194:A:ILE:HD11	1:230:A:PRO:HG3	9	0.14
(1,2689)	1:137:A:ILE:HD12	1:154:A:ALA:HB3	9	0.14
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	5	0.14
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	10	0.14
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	12	0.14
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	18	0.14
(1,2609)	1:175:A:LEU:HD13	1:174:A:ALA:HB3	3	0.14
(1,2568)	1:129:A:GLN:H	1:158:A:LEU:HD22	14	0.14
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	10	0.14
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	11	0.14
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	15	0.14
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	17	0.14
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	18	0.14
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	19	0.14
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	8	0.14
(1,2527)	1:159:A:LEU:HB2	1:164:A:LYS:HA	16	0.14
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	11	0.14
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	6	0.14
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	18	0.14
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	5	0.14
(1,2491)	1:62:A:LEU:HA	1:65:A:ARG:HB2	18	0.14
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	11	0.14
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	9	0.14
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	2	0.14
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	5	0.14
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	16	0.14
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	17	0.14
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	3	0.14
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	4	0.14
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	7	0.14
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	14	0.14
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	3	0.14
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	4	0.14
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	14	0.14
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	5	0.14
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	16	0.14
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD12	15	0.14
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG21	17	0.14
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD21	1	0.14
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD21	5	0.14
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD21	9	0.14
(1,2360)	1:240:A:VAL:HG13	1:244:A:ALA:HB2	13	0.14
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	9	0.14
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG13	12	0.14
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG23	3	0.14
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	7	0.14
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	13	0.14
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	2	0.14
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	10	0.14
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	13	0.14
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	2	0.14
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	5	0.14
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	9	0.14
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	10	0.14
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	15	0.14
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	17	0.14
(1,2289)	1:95:A:LYS:HE3	1:80:A:PHE:HD1	13	0.14
(1,2289)	1:95:A:LYS:HE3	1:80:A:PHE:HD1	17	0.14
(1,2264)	1:96:A:THR:HA	1:96:A:THR:HG23	19	0.14
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	1	0.14
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	10	0.14
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	5	0.14
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	6	0.14
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	9	0.14
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	14	0.14
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	18	0.14
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	5	0.14
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	8	0.14
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	16	0.14
(1,2190)	1:215:A:MET:HE2	1:219:A:ILE:HD13	19	0.14
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	2	0.14
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	3	0.14
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	16	0.14
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	18	0.14
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	8	0.14
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	9	0.14
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	16	0.14
(1,2129)	1:153:A:ILE:HG21	1:195:A:LEU:H	17	0.14
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	8	0.14
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	17	0.14
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	19	0.14
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	14	0.14
(1,2087)	1:127:A:ASN:HB2	1:125:A:GLU:HG3	12	0.14
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	20	0.14
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	12	0.14
(1,2018)	1:228:A:ASN:H	1:228:A:ASN:HB2	19	0.14
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	9	0.14
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	7	0.14
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	9	0.14
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	11	0.14
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE1	17	0.14
(1,1865)	1:220:A:ALA:H	1:220:A:ALA:HB2	16	0.14
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	15	0.14
(1,1780)	1:137:A:ILE:HD11	1:137:A:ILE:HA	10	0.14
(1,1768)	1:219:A:ILE:HD11	1:243:A:LYS:HE2	19	0.14
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	17	0.14
(1,1745)	1:153:A:ILE:HG23	1:156:A:GLU:H	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1737)	1:33:A:MET:HE2	1:30:A:THR:HA	3	0.14
(1,1737)	1:33:A:MET:HE1	1:30:A:THR:HA	6	0.14
(1,1727)	1:174:A:ALA:HB1	1:171:A:THR:HA	17	0.14
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	10	0.14
(1,1700)	1:220:A:ALA:HB3	1:220:A:ALA:HA	13	0.14
(1,1700)	1:220:A:ALA:HB1	1:220:A:ALA:HA	20	0.14
(1,1699)	1:171:A:THR:HG23	1:152:A:LEU:HD21	18	0.14
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	1	0.14
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	7	0.14
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	10	0.14
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	16	0.14
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	18	0.14
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	1	0.14
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	2	0.14
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	4	0.14
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	7	0.14
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	9	0.14
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	10	0.14
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	12	0.14
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	16	0.14
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	8	0.14
(1,1616)	1:77:A:VAL:HG11	1:77:A:VAL:HA	6	0.14
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG21	6	0.14
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	11	0.14
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG21	19	0.14
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	3	0.14
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	4	0.14
(1,1574)	1:195:A:LEU:HD11	1:198:A:TRP:HD1	1	0.14
(1,1574)	1:195:A:LEU:HD13	1:198:A:TRP:HD1	11	0.14
(1,1574)	1:195:A:LEU:HD11	1:198:A:TRP:HD1	12	0.14
(1,1568)	1:73:A:THR:HG21	1:105:A:ALA:HB1	4	0.14
(1,1538)	1:210:A:ASN:H	1:209:A:ARG:HG3	6	0.14
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	12	0.14
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	3	0.14
(1,1490)	1:235:A:LEU:HD11	1:235:A:LEU:HG	18	0.14
(1,1462)	1:159:A:LEU:HD22	1:167:A:ASN:HB3	17	0.14
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	18	0.14
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	1	0.14
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	8	0.14
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	12	0.14
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	16	0.14
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	7	0.14
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	12	0.14
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	17	0.14
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	19	0.14
(1,1407)	1:225:A:ARG:HG2	1:224:A:LYS:H	13	0.14
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	2	0.14
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	15	0.14
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	2	0.14
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	3	0.14
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	8	0.14
(1,1294)	1:84:A:PRO:HB3	1:87:A:LEU:HD12	1	0.14
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	9	0.14
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	10	0.14
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	1	0.14
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	13	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	1	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	2	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	3	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	4	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	5	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	6	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	7	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	9	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	11	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	12	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	13	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	14	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	16	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	17	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	18	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	19	0.14
(1,1221)	1:141:A:GLN:HG2	1:141:A:GLN:HB2	20	0.14
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	2	0.14
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	11	0.14
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	13	0.14
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	15	0.14
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG22	2	0.14
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG21	20	0.14
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	2	0.14
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	7	0.14
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	10	0.14
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	16	0.14
(1,1103)	1:229:A:ASN:HB3	1:226:A:TYR:HD2	20	0.14
(1,1097)	1:199:A:LEU:HB2	1:199:A:LEU:HD22	3	0.14
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	18	0.14
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	3	0.14
(1,1093)	1:214:A:MET:H	1:213:A:ASP:HB2	9	0.14
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	4	0.14
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	20	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	1	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	5	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	6	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	7	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	11	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	12	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	13	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	14	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	17	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	18	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	19	0.14
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	20	0.14
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	3	0.14
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	2	0.14
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	7	0.14
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	11	0.14
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	13	0.14
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD12	2	0.14
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	17	0.14
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	3	0.14
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	4	0.14
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	19	0.14
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	3	0.14
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	4	0.14
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	5	0.14
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	6	0.14
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	16	0.14
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	18	0.14
(1,1008)	1:93:A:ARG:HD2	1:124:A:LEU:HD21	3	0.14
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	15	0.14
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	17	0.14
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	19	0.14
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	15	0.14
(1,981)	1:87:A:LEU:HB2	1:57:A:ILE:HD13	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,953)	1:212:A:PRO:HD3	1:211:A:ASP:HB3	4	0.14
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	2	0.14
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	18	0.14
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	19	0.14
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD22	20	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	1	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	6	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	7	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	9	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	10	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	11	0.14
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	15	0.14
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	17	0.14
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	18	0.14
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	5	0.14
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	6	0.14
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	8	0.14
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	15	0.14
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	7	0.14
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	10	0.14
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	3	0.14
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	15	0.14
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	18	0.14
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	1	0.14
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	15	0.14
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	2	0.14
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	6	0.14
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	7	0.14
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	14	0.14
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	15	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	1	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	2	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	3	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	5	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	6	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	7	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	10	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	11	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	12	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	13	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	14	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	18	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	19	0.14
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	20	0.14
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	11	0.14
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	6	0.14
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	3	0.14
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	12	0.14
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	12	0.14
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	13	0.14
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	17	0.14
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	19	0.14
(1,722)	1:222:A:TRP:HA	1:225:A:ARG:HD3	10	0.14
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD11	13	0.14
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	7	0.14
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	8	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	4	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	7	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	9	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	10	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	14	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	15	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	17	0.14
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	19	0.14
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	8	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	1	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	2	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	4	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	5	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	8	0.14
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	20	0.14
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	2	0.14
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	20	0.14
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD21	13	0.14
(1,594)	1:104:A:LEU:H	1:112:A:ALA:HB3	16	0.14
(1,585)	1:225:A:ARG:H	1:227:A:PRO:HD3	13	0.14
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	4	0.14
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	5	0.14
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	9	0.14
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	12	0.14
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	11	0.14
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	9	0.14
(1,489)	1:182:A:GLN:HB3	1:182:A:GLN:HG2	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	10	0.14
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	10	0.14
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	11	0.14
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	8	0.14
(1,439)	1:86:A:GLU:HB3	1:86:A:GLU:HG2	16	0.14
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	9	0.14
(1,424)	1:219:A:ILE:HA	1:235:A:LEU:HD21	18	0.14
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	4	0.14
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	11	0.14
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	8	0.14
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	19	0.14
(1,347)	1:232:A:ALA:HA	1:235:A:LEU:HD12	19	0.14
(1,342)	1:146:A:ILE:HD13	1:187:A:VAL:H	12	0.14
(1,333)	1:116:A:LEU:HD21	1:100:A:VAL:HB	6	0.14
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	10	0.14
(1,311)	1:126:A:GLN:HA	1:126:A:GLN:HB2	17	0.14
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	1	0.14
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	14	0.14
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	16	0.14
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	13	0.14
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	19	0.14
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	9	0.14
(1,297)	1:162:A:LYS:HB3	1:162:A:LYS:HA	4	0.14
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	13	0.14
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	4	0.14
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	8	0.14
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	8	0.14
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	10	0.14
(1,259)	1:203:A:ARG:HD2	1:203:A:ARG:HG2	18	0.14
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	2	0.14
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	5	0.14
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	7	0.14
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	14	0.14
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	19	0.14
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	4	0.14
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	3	0.14
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	15	0.14
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD11	7	0.13
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB2	12	0.13
(1,5812)	1:198:A:TRP:HE1	1:229:A:ASN:HA	1	0.13
(1,5809)	1:198:A:TRP:HE1	1:198:A:TRP:H	8	0.13
(1,5809)	1:198:A:TRP:HE1	1:198:A:TRP:H	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5776)	1:52:A:SER:H	1:17:A:ARG:HG3	12	0.13
(1,5776)	1:52:A:SER:H	1:17:A:ARG:HG3	13	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	2	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	5	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	7	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	10	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	17	0.13
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	18	0.13
(1,5654)	1:45:A:LEU:H	1:46:A:GLN:HB3	9	0.13
(1,5654)	1:45:A:LEU:H	1:46:A:GLN:HB3	13	0.13
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	5	0.13
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	19	0.13
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB3	1	0.13
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	4	0.13
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB3	10	0.13
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	1	0.13
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	6	0.13
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	1	0.13
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	11	0.13
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	12	0.13
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	15	0.13
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	17	0.13
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	18	0.13
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	20	0.13
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	4	0.13
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	6	0.13
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	8	0.13
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	14	0.13
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	18	0.13
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	20	0.13
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	2	0.13
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	4	0.13
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	5	0.13
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	11	0.13
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	12	0.13
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	13	0.13
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	14	0.13
(1,5286)	1:18:A:GLY:H	1:17:A:ARG:HA	15	0.13
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	13	0.13
(1,5283)	1:22:A:GLY:H	1:22:A:GLY:HA3	17	0.13
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	1	0.13
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB2	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	6	0.13
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB1	12	0.13
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	20	0.13
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG22	4	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	2	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	3	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	4	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	7	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	8	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	11	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	12	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	13	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	14	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	18	0.13
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	20	0.13
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	2	0.13
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	5	0.13
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	14	0.13
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	15	0.13
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	16	0.13
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	19	0.13
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	6	0.13
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	17	0.13
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG22	5	0.13
(1,5212)	1:208:A:ASN:H	1:204:A:VAL:HG22	8	0.13
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB3	6	0.13
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	6	0.13
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB3	15	0.13
(1,5146)	1:233:A:LYS:H	1:232:A:ALA:HB2	18	0.13
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	13	0.13
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	12	0.13
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	6	0.13
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	7	0.13
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	13	0.13
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	19	0.13
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	3	0.13
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	6	0.13
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	7	0.13
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	16	0.13
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	2	0.13
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	8	0.13
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	14	0.13
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	4	0.13
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	12	0.13
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	15	0.13
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	7	0.13
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	8	0.13
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	11	0.13
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	14	0.13
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	10	0.13
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	16	0.13
(1,5003)	1:165:A:GLN:H	1:165:A:GLN:HB3	19	0.13
(1,5002)	1:25:A:THR:H	1:25:A:THR:HG21	11	0.13
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	19	0.13
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	5	0.13
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	12	0.13
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	14	0.13
(1,4975)	1:81:A:ASN:H	1:82:A:GLN:HA	20	0.13
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	11	0.13
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	19	0.13
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	1	0.13
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	5	0.13
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG23	5	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	6	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	7	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	10	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	11	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	12	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	16	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	17	0.13
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	19	0.13
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG23	15	0.13
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD12	6	0.13
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD12	13	0.13
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	2	0.13
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	12	0.13
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	17	0.13
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	1	0.13
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	3	0.13
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	18	0.13
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	4	0.13
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	7	0.13
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	10	0.13
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	13	0.13
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	14	0.13
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	15	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	3	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	6	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	9	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD23	13	0.13
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	18	0.13
(1,4675)	1:190:A:ALA:H	1:192:A:GLU:HG2	15	0.13
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	8	0.13
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	10	0.13
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	17	0.13
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	20	0.13
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD13	2	0.13
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	5	0.13
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	6	0.13
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	15	0.13
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	20	0.13
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	4	0.13
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	6	0.13
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	17	0.13
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	1	0.13
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	6	0.13
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	11	0.13
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB1	14	0.13
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	20	0.13
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB1	13	0.13
(1,4583)	1:168:A:ILE:H	1:168:A:ILE:HG12	9	0.13
(1,4550)	1:245:A:PHE:HD2	1:246:A:LYS:HB2	7	0.13
(1,4548)	1:245:A:PHE:HZ	1:246:A:LYS:HB2	1	0.13
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	6	0.13
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	8	0.13
(1,4503)	1:197:A:GLY:H	1:226:A:TYR:HE2	15	0.13
(1,4503)	1:197:A:GLY:H	1:226:A:TYR:HE2	18	0.13
(1,4489)	1:172:A:TRP:HD1	1:238:A:GLN:HG3	15	0.13
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	9	0.13
(1,4486)	1:37:A:ALA:HB3	1:32:A:TYR:HD1	19	0.13
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	6	0.13
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	10	0.13
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	13	0.13
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	9	0.13
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	13	0.13
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	8	0.13
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	12	0.13
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	15	0.13
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	5	0.13
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	2	0.13
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	9	0.13
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	14	0.13
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	9	0.13
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	12	0.13
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	15	0.13
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	18	0.13
(1,4309)	1:83:A:LEU:HD12	1:60:A:GLN:HE22	4	0.13
(1,4308)	1:83:A:LEU:HD13	1:60:A:GLN:HE21	4	0.13
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	4	0.13
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	6	0.13
(1,4263)	1:97:A:LEU:H	1:98:A:LEU:HD13	12	0.13
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD13	15	0.13
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	1	0.13
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	3	0.13
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	7	0.13
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	8	0.13
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	11	0.13
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	17	0.13
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	10	0.13
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	4	0.13
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD23	18	0.13
(1,4179)	1:141:A:GLN:HB3	1:143:A:ARG:HE	7	0.13
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	1	0.13
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	5	0.13
(1,4153)	1:103:A:LYS:HG2	1:102:A:ILE:HD12	9	0.13
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	2	0.13
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	2	0.13
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	6	0.13
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	15	0.13
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	16	0.13
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	19	0.13
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	1	0.13
(1,4062)	1:48:A:MET:HG2	1:56:A:ARG:HD3	19	0.13
(1,4042)	1:61:A:LEU:HD13	1:91:A:GLN:HG3	19	0.13
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	4	0.13
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	11	0.13
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD22	19	0.13
(1,3967)	1:48:A:MET:HE2	1:79:A:LEU:HB2	16	0.13
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	4	0.13
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	10	0.13
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	15	0.13
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD12	17	0.13
(1,3899)	1:154:A:ALA:HB3	1:129:A:GLN:HB3	16	0.13
(1,3895)	1:64:A:ILE:HG22	1:98:A:LEU:HA	4	0.13
(1,3895)	1:64:A:ILE:HG21	1:98:A:LEU:HA	6	0.13
(1,3885)	1:69:A:LYS:HG3	1:65:A:ARG:HD2	6	0.13
(1,3805)	1:67:A:LEU:HD12	1:67:A:LEU:HB2	5	0.13
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	1	0.13
(1,3797)	1:179:A:THR:HG22	1:179:A:THR:HA	4	0.13
(1,3797)	1:179:A:THR:HG22	1:179:A:THR:HA	11	0.13
(1,3797)	1:179:A:THR:HG22	1:179:A:THR:HA	12	0.13
(1,3797)	1:179:A:THR:HG21	1:179:A:THR:HA	14	0.13
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	17	0.13
(1,3785)	1:152:A:LEU:HD22	1:171:A:THR:HB	11	0.13
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB1	2	0.13
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB2	17	0.13
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD12	6	0.13
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD11	10	0.13
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	19	0.13
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	20	0.13
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD13	7	0.13
(1,3730)	1:146:A:ILE:HD11	1:186:A:LEU:HD13	20	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	4	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	9	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	12	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	14	0.13
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	17	0.13
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	4	0.13
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	7	0.13
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG22	13	0.13
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD13	13	0.13
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	15	0.13
(1,3628)	1:175:A:LEU:HD13	1:199:A:LEU:HB3	18	0.13
(1,3610)	1:69:A:LYS:HG3	1:70:A:GLU:HG2	17	0.13
(1,3599)	1:152:A:LEU:HD23	1:152:A:LEU:HD13	9	0.13
(1,3588)	1:104:A:LEU:HD11	1:102:A:ILE:H	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3557)	1:17:A:ARG:HG3	1:17:A:ARG:HA	10	0.13
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	1	0.13
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	8	0.13
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	10	0.13
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	7	0.13
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	11	0.13
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	13	0.13
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	16	0.13
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	19	0.13
(1,3503)	1:216:A:LYS:HD2	1:213:A:ASP:HA	19	0.13
(1,3501)	1:28:A:GLN:HG2	1:28:A:GLN:HB3	3	0.13
(1,3493)	1:72:A:LYS:HD3	1:70:A:GLU:HG3	3	0.13
(1,3493)	1:72:A:LYS:HD3	1:70:A:GLU:HG3	11	0.13
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	20	0.13
(1,3473)	1:17:A:ARG:HB3	1:17:A:ARG:HD2	17	0.13
(1,3455)	1:136:A:LYS:HB3	1:116:A:LEU:HD12	6	0.13
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	9	0.13
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	10	0.13
(1,3430)	1:173:A:GLN:HG2	1:238:A:GLN:HE21	1	0.13
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	3	0.13
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	16	0.13
(1,3422)	1:34:A:GLN:HG3	1:31:A:ALA:HA	11	0.13
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	13	0.13
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	9	0.13
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	10	0.13
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	14	0.13
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	4	0.13
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	9	0.13
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	1	0.13
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	2	0.13
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	5	0.13
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	15	0.13
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	20	0.13
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	10	0.13
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	11	0.13
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	1	0.13
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	4	0.13
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	15	0.13
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	11	0.13
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	16	0.13
(1,3319)	1:90:A:ALA:HA	1:93:A:ARG:HD3	12	0.13
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	16	0.13
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	3	0.13
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	13	0.13
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG21	8	0.13
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	2	0.13
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	3	0.13
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	19	0.13
(1,3243)	1:190:A:ALA:HA	1:192:A:GLU:HG3	4	0.13
(1,3243)	1:190:A:ALA:HA	1:192:A:GLU:HG3	19	0.13
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	12	0.13
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	19	0.13
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	2	0.13
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	3	0.13
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	7	0.13
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	10	0.13
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	20	0.13
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	4	0.13
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	8	0.13
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	13	0.13
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	16	0.13
(1,3221)	1:70:A:GLU:HA	1:72:A:LYS:H	19	0.13
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	15	0.13
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	20	0.13
(1,3167)	1:44:A:TYR:HA	1:59:A:TRP:HA	2	0.13
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	6	0.13
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	4	0.13
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	1	0.13
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	16	0.13
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	20	0.13
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	11	0.13
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	4	0.13
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	12	0.13
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	16	0.13
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	18	0.13
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	4	0.13
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	5	0.13
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	10	0.13
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	13	0.13
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	1	0.13
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	7	0.13
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	8	0.13
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3102)	1:172:A:TRP:H	1:168:A:ILE:HA	18	0.13
(1,3092)	1:237:A:THR:HA	1:241:A:ASN:H	11	0.13
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG22	5	0.13
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG21	20	0.13
(1,3061)	1:232:A:ALA:HB3	1:223:A:GLN:HG3	16	0.13
(1,3049)	1:166:A:GLN:HA	1:169:A:ASP:HB2	3	0.13
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	9	0.13
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	10	0.13
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	11	0.13
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	12	0.13
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	14	0.13
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	16	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	1	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	3	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	5	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	6	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	10	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	12	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	13	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	14	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	15	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	16	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	19	0.13
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	20	0.13
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	3	0.13
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	13	0.13
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	16	0.13
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	18	0.13
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	19	0.13
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG11	5	0.13
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	7	0.13
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	9	0.13
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	13	0.13
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	17	0.13
(1,2949)	1:57:A:ILE:HB	1:57:A:ILE:HD12	4	0.13
(1,2935)	1:83:A:LEU:HD22	1:98:A:LEU:HB2	5	0.13
(1,2920)	1:83:A:LEU:HD11	1:96:A:THR:H	11	0.13
(1,2920)	1:83:A:LEU:HD13	1:96:A:THR:H	16	0.13
(1,2920)	1:83:A:LEU:HD11	1:96:A:THR:H	20	0.13
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	4	0.13
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	14	0.13
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:95:A:LYS:HA	1:98:A:LEU:HB2	6	0.13
(1,2898)	1:95:A:LYS:HA	1:98:A:LEU:HB2	16	0.13
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	3	0.13
(1,2895)	1:217:A:ALA:HB1	1:216:A:LYS:HD2	13	0.13
(1,2895)	1:217:A:ALA:HB1	1:216:A:LYS:HD2	15	0.13
(1,2891)	1:144:A:PRO:HD3	1:143:A:ARG:HD3	12	0.13
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	5	0.13
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	11	0.13
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	15	0.13
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	18	0.13
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	20	0.13
(1,2881)	1:65:A:ARG:HD2	1:44:A:TYR:HE2	3	0.13
(1,2873)	1:219:A:ILE:HG22	1:216:A:LYS:HA	13	0.13
(1,2873)	1:219:A:ILE:HG22	1:216:A:LYS:HA	16	0.13
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	9	0.13
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	2	0.13
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	6	0.13
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	17	0.13
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	4	0.13
(1,2837)	1:181:A:GLU:HB2	1:179:A:THR:HB	20	0.13
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	5	0.13
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	9	0.13
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	10	0.13
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	15	0.13
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	9	0.13
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	5	0.13
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	6	0.13
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	20	0.13
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	10	0.13
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	16	0.13
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	2	0.13
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD12	14	0.13
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG12	4	0.13
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	13	0.13
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	16	0.13
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	17	0.13
(1,2758)	1:32:A:TYR:H	1:62:A:LEU:HD12	9	0.13
(1,2757)	1:62:A:LEU:HD11	1:65:A:ARG:HD3	10	0.13
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB1	3	0.13
(1,2722)	1:97:A:LEU:HD13	1:132:A:TYR:HD2	9	0.13
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	15	0.13
(1,2707)	1:194:A:ILE:HD11	1:193:A:ASN:HD21	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2677)	1:102:A:ILE:HG23	1:106:A:GLN:HE22	17	0.13
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	4	0.13
(1,2674)	1:130:A:ALA:HB3	1:127:A:ASN:HD22	15	0.13
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB2	8	0.13
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	11	0.13
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	19	0.13
(1,2617)	1:72:A:LYS:HD3	1:67:A:LEU:HD23	7	0.13
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	3	0.13
(1,2575)	1:79:A:LEU:HD11	1:60:A:GLN:HE21	3	0.13
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	7	0.13
(1,2556)	1:114:A:ASN:H	1:115:A:LEU:HG	13	0.13
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	5	0.13
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	18	0.13
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	14	0.13
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	13	0.13
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	14	0.13
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	17	0.13
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	7	0.13
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	10	0.13
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	2	0.13
(1,2415)	1:17:A:ARG:H	1:17:A:ARG:HB3	11	0.13
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	10	0.13
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	18	0.13
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	12	0.13
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	15	0.13
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD13	6	0.13
(1,2368)	1:68:A:VAL:H	1:64:A:ILE:HG23	14	0.13
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD23	4	0.13
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD21	15	0.13
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	3	0.13
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG13	5	0.13
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	10	0.13
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	11	0.13
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	15	0.13
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	2	0.13
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	3	0.13
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	9	0.13
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	1	0.13
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	3	0.13
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	7	0.13
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	8	0.13
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2290)	1:95:A:LYS:HE3	1:80:A:PHE:HE1	8	0.13
(1,2289)	1:95:A:LYS:HE3	1:80:A:PHE:HD1	8	0.13
(1,2278)	1:172:A:TRP:HE1	1:238:A:GLN:HG3	10	0.13
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	1	0.13
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	20	0.13
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	5	0.13
(1,2250)	1:162:A:LYS:HA	1:165:A:GLN:H	17	0.13
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	1	0.13
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	11	0.13
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	12	0.13
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	17	0.13
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	6	0.13
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	16	0.13
(1,2224)	1:162:A:LYS:HG2	1:163:A:GLU:HG3	4	0.13
(1,2216)	1:242:A:VAL:HB	1:242:A:VAL:HG12	11	0.13
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	10	0.13
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	9	0.13
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	15	0.13
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	20	0.13
(1,2144)	1:194:A:ILE:HD11	1:226:A:TYR:HD2	2	0.13
(1,2144)	1:194:A:ILE:HD13	1:226:A:TYR:HD2	4	0.13
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	9	0.13
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	12	0.13
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	14	0.13
(1,2069)	1:74:A:GLY:HA3	1:78:A:GLU:H	14	0.13
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	13	0.13
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	19	0.13
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	2	0.13
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	13	0.13
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	19	0.13
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	2	0.13
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	20	0.13
(1,1973)	1:146:A:ILE:HD11	1:189:A:ASN:H	18	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	2	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	3	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	5	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	6	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	8	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	10	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	12	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	13	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	16	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	17	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	18	0.13
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	20	0.13
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE1	8	0.13
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE2	20	0.13
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	8	0.13
(1,1846)	1:55:A:THR:HG22	1:56:A:ARG:HA	5	0.13
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	5	0.13
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	14	0.13
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG23	7	0.13
(1,1772)	1:137:A:ILE:HD11	1:133:A:TRP:HB2	6	0.13
(1,1764)	1:219:A:ILE:HD13	1:239:A:LEU:HA	3	0.13
(1,1761)	1:150:A:ARG:H	1:153:A:ILE:HD11	3	0.13
(1,1719)	1:146:A:ILE:HG23	1:146:A:ILE:HG12	18	0.13
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB1	11	0.13
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	20	0.13
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB1	12	0.13
(1,1682)	1:111:A:GLY:H	1:110:A:ALA:HB3	20	0.13
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	5	0.13
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	8	0.13
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	11	0.13
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	13	0.13
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	17	0.13
(1,1670)	1:31:A:ALA:HB3	1:31:A:ALA:HA	18	0.13
(1,1670)	1:31:A:ALA:HB2	1:31:A:ALA:HA	20	0.13
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	20	0.13
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	1	0.13
(1,1629)	1:201:A:LEU:HD21	1:204:A:VAL:HG12	12	0.13
(1,1624)	1:37:A:ALA:HB2	1:31:A:ALA:HA	10	0.13
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	14	0.13
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	5	0.13
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG23	9	0.13
(1,1597)	1:69:A:LYS:H	1:68:A:VAL:HG21	14	0.13
(1,1593)	1:237:A:THR:HG22	1:241:A:ASN:HD22	5	0.13
(1,1586)	1:240:A:VAL:HG21	1:243:A:LYS:HE2	14	0.13
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	1	0.13
(1,1585)	1:158:A:LEU:HD12	1:158:A:LEU:HA	18	0.13
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	19	0.13
(1,1574)	1:195:A:LEU:HD13	1:198:A:TRP:HD1	3	0.13
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	4	0.13
(1,1574)	1:195:A:LEU:HD11	1:198:A:TRP:HD1	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1529)	1:69:A:LYS:HG2	1:69:A:LYS:HA	2	0.13
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	5	0.13
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	9	0.13
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	10	0.13
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	17	0.13
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	6	0.13
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	9	0.13
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	15	0.13
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	18	0.13
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	19	0.13
(1,1490)	1:235:A:LEU:HD11	1:235:A:LEU:HG	2	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	5	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	8	0.13
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	9	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	10	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	11	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	14	0.13
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	15	0.13
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	16	0.13
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	20	0.13
(1,1464)	1:95:A:LYS:H	1:87:A:LEU:HD23	16	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	1	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	2	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	3	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	4	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	5	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	6	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	7	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	8	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	10	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	11	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	12	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	13	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	14	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	15	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	17	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	19	0.13
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	20	0.13
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	6	0.13
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	11	0.13
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	15	0.13
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	14	0.13
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	7	0.13
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	8	0.13
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	13	0.13
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	1	0.13
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	4	0.13
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	17	0.13
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	3	0.13
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	11	0.13
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	18	0.13
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	12	0.13
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	7	0.13
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	8	0.13
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	5	0.13
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	13	0.13
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	3	0.13
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	4	0.13
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	7	0.13
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	12	0.13
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	16	0.13
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	20	0.13
(1,1265)	1:246:A:LYS:HB2	1:246:A:LYS:HA	1	0.13
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	3	0.13
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	4	0.13
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	8	0.13
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	9	0.13
(1,1260)	1:161:A:ALA:HA	1:164:A:LYS:HB3	15	0.13
(1,1259)	1:233:A:LYS:HB2	1:234:A:MET:H	11	0.13
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	2	0.13
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	3	0.13
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	6	0.13
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	7	0.13
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	12	0.13
(1,1202)	1:86:A:GLU:HG3	1:85:A:GLN:H	16	0.13
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	1	0.13
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	6	0.13
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	11	0.13
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	12	0.13
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	12	0.13
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	13	0.13
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD11	19	0.13
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	12	0.13
(1,1172)	1:57:A:ILE:HB	1:54:A:ASP:HA	18	0.13
(1,1170)	1:163:A:GLU:HG2	1:162:A:LYS:HE2	8	0.13
(1,1170)	1:163:A:GLU:HG2	1:162:A:LYS:HE2	11	0.13
(1,1163)	1:102:A:ILE:HB	1:68:A:VAL:HG23	14	0.13
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	5	0.13
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	16	0.13
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	17	0.13
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	19	0.13
(1,1126)	1:192:A:GLU:HG2	1:195:A:LEU:HD22	20	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	2	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	6	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	8	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	10	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	11	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	14	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	15	0.13
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	20	0.13
(1,1078)	1:221:A:ASP:HB3	1:204:A:VAL:HG23	13	0.13
(1,1059)	1:95:A:LYS:HE3	1:95:A:LYS:HB2	6	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	1	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	5	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	6	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	7	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	9	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	12	0.13
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	14	0.13
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	3	0.13
(1,1042)	1:80:A:PHE:H	1:79:A:LEU:HB2	15	0.13
(1,1040)	1:211:A:ASP:HB2	1:212:A:PRO:HD3	9	0.13
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	6	0.13
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	1	0.13
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	4	0.13
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	10	0.13
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	15	0.13
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	4	0.13
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	1	0.13
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	5	0.13
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	7	0.13
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	12	0.13
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	13	0.13
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1014)	1:93:A:ARG:HD3	1:93:A:ARG:HG3	11	0.13
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	11	0.13
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	4	0.13
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	9	0.13
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	4	0.13
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	8	0.13
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	16	0.13
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	17	0.13
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	19	0.13
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	2	0.13
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	10	0.13
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	16	0.13
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	18	0.13
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	16	0.13
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	20	0.13
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	14	0.13
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	19	0.13
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	1	0.13
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	6	0.13
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	17	0.13
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	8	0.13
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	4	0.13
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	6	0.13
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	8	0.13
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	10	0.13
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	13	0.13
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	6	0.13
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	7	0.13
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	9	0.13
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	14	0.13
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	16	0.13
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	1	0.13
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	8	0.13
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	19	0.13
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	4	0.13
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	8	0.13
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	9	0.13
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	15	0.13
(1,790)	1:166:A:GLN:HA	1:166:A:GLN:HB3	16	0.13
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	5	0.13
(1,762)	1:101:A:GLU:HA	1:104:A:LEU:HB2	9	0.13
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG23	9	0.13
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	4	0.13
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	5	0.13
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD11	15	0.13
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD11	19	0.13
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD13	20	0.13
(1,689)	1:52:A:SER:HB2	1:53:A:ASP:HB3	2	0.13
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	20	0.13
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	4	0.13
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	16	0.13
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	1	0.13
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	2	0.13
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	3	0.13
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	12	0.13
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	16	0.13
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	6	0.13
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	10	0.13
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	11	0.13
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	14	0.13
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	16	0.13
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	16	0.13
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	20	0.13
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	1	0.13
(1,637)	1:51:A:SER:H	1:51:A:SER:HB3	11	0.13
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	8	0.13
(1,632)	1:85:A:GLN:H	1:87:A:LEU:HD23	11	0.13
(1,608)	1:52:A:SER:H	1:51:A:SER:HA	7	0.13
(1,585)	1:225:A:ARG:H	1:227:A:PRO:HD3	2	0.13
(1,566)	1:243:A:LYS:H	1:243:A:LYS:HE2	14	0.13
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	6	0.13
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	7	0.13
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	14	0.13
(1,563)	1:112:A:ALA:H	1:109:A:PHE:HB3	17	0.13
(1,563)	1:112:A:ALA:H	1:100:A:VAL:HA	18	0.13
(1,556)	1:245:A:PHE:HZ	1:247:A:PRO:HD2	10	0.13
(1,547)	1:205:A:TRP:HZ2	1:209:A:ARG:HB2	2	0.13
(1,547)	1:205:A:TRP:HZ2	1:209:A:ARG:HB2	18	0.13
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	13	0.13
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	8	0.13
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	10	0.13
(1,497)	1:63:A:ALA:HB1	1:45:A:LEU:HD22	4	0.13
(1,425)	1:230:A:PRO:HA	1:233:A:LYS:HE2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:168:A:ILE:HD12	1:233:A:LYS:HE2	1	0.13
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	6	0.13
(1,387)	1:95:A:LYS:HD2	1:87:A:LEU:H	20	0.13
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	13	0.13
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	15	0.13
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	11	0.13
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	16	0.13
(1,337)	1:28:A:GLN:HB3	1:31:A:ALA:HB3	15	0.13
(1,333)	1:116:A:LEU:HD23	1:100:A:VAL:HB	8	0.13
(1,333)	1:116:A:LEU:HD21	1:100:A:VAL:HB	14	0.13
(1,333)	1:116:A:LEU:HD21	1:100:A:VAL:HB	16	0.13
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	17	0.13
(1,326)	1:136:A:LYS:H	1:136:A:LYS:HG2	1	0.13
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	18	0.13
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	2	0.13
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	3	0.13
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	10	0.13
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	15	0.13
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	16	0.13
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	10	0.13
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	1	0.13
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	10	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	1	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	3	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	4	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	6	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	8	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	10	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	11	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	12	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	13	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	15	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	17	0.13
(1,258)	1:203:A:ARG:HD3	1:203:A:ARG:HG3	18	0.13
(1,258)	1:203:A:ARG:HD2	1:203:A:ARG:HG3	20	0.13
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	1	0.13
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	14	0.13
(1,251)	1:74:A:GLY:HA3	1:75:A:GLN:HG2	15	0.13
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	1	0.13
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	2	0.13
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	4	0.13
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	12	0.13
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	17	0.13
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD13	3	0.12
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD11	5	0.12
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD11	6	0.12
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD12	17	0.12
(1,5778)	1:166:A:GLN:H	1:167:A:ASN:HB3	17	0.12
(1,5763)	1:249:A:SER:H	1:248:A:ALA:H	15	0.12
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	5	0.12
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	7	0.12
(1,5716)	1:95:A:LYS:H	1:92:A:ARG:H	16	0.12
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	3	0.12
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	4	0.12
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	11	0.12
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	12	0.12
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	1	0.12
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	4	0.12
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	8	0.12
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	11	0.12
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	13	0.12
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	15	0.12
(1,5654)	1:45:A:LEU:H	1:46:A:GLN:HB3	1	0.12
(1,5654)	1:45:A:LEU:H	1:46:A:GLN:HB3	10	0.12
(1,5631)	1:245:A:PHE:H	1:241:A:ASN:HA	5	0.12
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	2	0.12
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB1	8	0.12
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB3	9	0.12
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	3	0.12
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	6	0.12
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	7	0.12
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	18	0.12
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	7	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	2	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	3	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	4	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	5	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	9	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	10	0.12
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	16	0.12
(1,5526)	1:127:A:ASN:H	1:125:A:GLU:HA	12	0.12
(1,5515)	1:213:A:ASP:H	1:211:A:ASP:HA	14	0.12
(1,5445)	1:190:A:ALA:H	1:189:A:ASN:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	19	0.12
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	5	0.12
(1,5361)	1:120:A:THR:H	1:93:A:ARG:HB3	12	0.12
(1,5359)	1:129:A:GLN:H	1:133:A:TRP:HD1	14	0.12
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	19	0.12
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	1	0.12
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	9	0.12
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	15	0.12
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	18	0.12
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	20	0.12
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	2	0.12
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	10	0.12
(1,5287)	1:18:A:GLY:H	1:17:A:ARG:HB3	11	0.12
(1,5276)	1:176:A:SER:H	1:177:A:SER:HB3	18	0.12
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB2	5	0.12
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB2	7	0.12
(1,5259)	1:191:A:ASP:H	1:190:A:ALA:HB3	17	0.12
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG23	6	0.12
(1,5234)	1:239:A:LEU:H	1:240:A:VAL:HA	9	0.12
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	1	0.12
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	7	0.12
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	8	0.12
(1,5224)	1:184:A:ASN:H	1:183:A:ALA:H	15	0.12
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	1	0.12
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB2	16	0.12
(1,5153)	1:210:A:ASN:H	1:208:A:ASN:HA	4	0.12
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	3	0.12
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	14	0.12
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	11	0.12
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	2	0.12
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	12	0.12
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	9	0.12
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	6	0.12
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	12	0.12
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	13	0.12
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	15	0.12
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	17	0.12
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	20	0.12
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	3	0.12
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	8	0.12
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	17	0.12
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	10	0.12
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	19	0.12
(1,5046)	1:156:A:GLU:H	1:155:A:GLN:HG2	4	0.12
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	4	0.12
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	18	0.12
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	5	0.12
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	11	0.12
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD11	17	0.12
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	3	0.12
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	6	0.12
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	15	0.12
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	19	0.12
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	20	0.12
(1,4869)	1:250:A:THR:H	1:248:A:ALA:HA	13	0.12
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	1	0.12
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	2	0.12
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG22	5	0.12
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG21	18	0.12
(1,4810)	1:214:A:MET:H	1:211:A:ASP:HA	8	0.12
(1,4802)	1:24:A:HIS:H	1:23:A:THR:HA	11	0.12
(1,4802)	1:24:A:HIS:H	1:23:A:THR:HA	13	0.12
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	5	0.12
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD11	12	0.12
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	14	0.12
(1,4793)	1:102:A:ILE:H	1:68:A:VAL:HG13	11	0.12
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	5	0.12
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	20	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	5	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	6	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	9	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	11	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	16	0.12
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	20	0.12
(1,4756)	1:14:A:LEU:H	1:14:A:LEU:HB2	2	0.12
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD21	2	0.12
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD23	8	0.12
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD23	10	0.12
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD23	12	0.12
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	16	0.12
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	3	0.12
(1,4670)	1:183:A:ALA:H	1:186:A:LEU:HD13	11	0.12
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	5	0.12
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	8	0.12
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	9	0.12
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	13	0.12
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	18	0.12
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	19	0.12
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	12	0.12
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	18	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	5	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	7	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	12	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	14	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	15	0.12
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	19	0.12
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	7	0.12
(1,4642)	1:234:A:MET:H	1:233:A:LYS:HG2	12	0.12
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB1	4	0.12
(1,4598)	1:39:A:ALA:H	1:39:A:ALA:HB2	9	0.12
(1,4548)	1:245:A:PHE:HZ	1:246:A:LYS:HB2	6	0.12
(1,4548)	1:245:A:PHE:HZ	1:246:A:LYS:HB2	12	0.12
(1,4503)	1:197:A:GLY:H	1:226:A:TYR:HE2	8	0.12
(1,4489)	1:172:A:TRP:HD1	1:238:A:GLN:HG3	11	0.12
(1,4486)	1:37:A:ALA:HB2	1:32:A:TYR:HD1	14	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	1	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	2	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	3	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	5	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	6	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	7	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	8	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	10	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	11	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	15	0.12
(1,4464)	1:206:A:PHE:HZ	1:206:A:PHE:HE2	19	0.12
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	8	0.12
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	9	0.12
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	15	0.12
(1,4450)	1:198:A:TRP:HZ2	1:168:A:ILE:H	17	0.12
(1,4437)	1:132:A:TYR:HE2	1:116:A:LEU:HB2	6	0.12
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	5	0.12
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	16	0.12
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	11	0.12
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	2	0.12
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	18	0.12
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	5	0.12
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	13	0.12
(1,4408)	1:44:A:TYR:HD2	1:67:A:LEU:H	17	0.12
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	3	0.12
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	20	0.12
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	1	0.12
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	4	0.12
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	10	0.12
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	11	0.12
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	20	0.12
(1,4317)	1:175:A:LEU:HG	1:171:A:THR:HG22	17	0.12
(1,4309)	1:83:A:LEU:HD12	1:60:A:GLN:HE22	20	0.12
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	3	0.12
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	20	0.12
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	7	0.12
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	18	0.12
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	16	0.12
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG23	1	0.12
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG23	5	0.12
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG23	8	0.12
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG22	16	0.12
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	5	0.12
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	9	0.12
(1,4232)	1:178:A:MET:HB2	1:202:A:GLN:HE22	20	0.12
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	20	0.12
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	9	0.12
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD21	3	0.12
(1,4181)	1:62:A:LEU:HD13	1:62:A:LEU:HB3	1	0.12
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	12	0.12
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	14	0.12
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	20	0.12
(1,4153)	1:103:A:LYS:HG2	1:102:A:ILE:HD12	13	0.12
(1,4090)	1:70:A:GLU:HG3	1:67:A:LEU:HD22	4	0.12
(1,4088)	1:67:A:LEU:HD23	1:72:A:LYS:H	11	0.12
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	11	0.12
(1,4083)	1:239:A:LEU:HD12	1:205:A:TRP:HB3	20	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	1	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	3	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	5	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	7	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	8	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	11	0.12
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	12	0.12
(1,4053)	1:65:A:ARG:HD3	1:69:A:LYS:HE2	2	0.12
(1,4033)	1:186:A:LEU:H	1:183:A:ALA:HA	9	0.12
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	15	0.12
(1,4015)	1:103:A:LYS:HE2	1:115:A:LEU:HD23	20	0.12
(1,3967)	1:48:A:MET:HE2	1:79:A:LEU:HB2	7	0.12
(1,3966)	1:48:A:MET:HE2	1:45:A:LEU:HA	2	0.12
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	2	0.12
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	8	0.12
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	6	0.12
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	13	0.12
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	19	0.12
(1,3895)	1:64:A:ILE:HG23	1:98:A:LEU:HA	7	0.12
(1,3895)	1:64:A:ILE:HG23	1:98:A:LEU:HA	14	0.12
(1,3885)	1:69:A:LYS:HG3	1:65:A:ARG:HD2	1	0.12
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	12	0.12
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	1	0.12
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	12	0.12
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	18	0.12
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	20	0.12
(1,3811)	1:33:A:MET:HE3	1:62:A:LEU:HD13	17	0.12
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	6	0.12
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	17	0.12
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	18	0.12
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	5	0.12
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	5	0.12
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD12	9	0.12
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD13	12	0.12
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	16	0.12
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	18	0.12
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD13	19	0.12
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD12	20	0.12
(1,3723)	1:178:A:MET:HE1	1:182:A:GLN:HG2	15	0.12
(1,3723)	1:178:A:MET:HE3	1:182:A:GLN:HG2	19	0.12
(1,3720)	1:154:A:ALA:HA	1:153:A:ILE:HG23	11	0.12
(1,3674)	1:96:A:THR:HG23	1:116:A:LEU:H	6	0.12
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD11	9	0.12
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3664)	1:115:A:LEU:HD21	1:115:A:LEU:HG	10	0.12
(1,3628)	1:175:A:LEU:HD12	1:199:A:LEU:HB3	6	0.12
(1,3599)	1:152:A:LEU:HD21	1:152:A:LEU:HD11	10	0.12
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD11	12	0.12
(1,3572)	1:33:A:MET:HA	1:62:A:LEU:HD21	1	0.12
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD21	3	0.12
(1,3550)	1:63:A:ALA:H	1:62:A:LEU:HD23	19	0.12
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	2	0.12
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	9	0.12
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	12	0.12
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	13	0.12
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	18	0.12
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	19	0.12
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	3	0.12
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	6	0.12
(1,3514)	1:107:A:LYS:HD3	1:107:A:LYS:HG3	17	0.12
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB2	4	0.12
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB3	20	0.12
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	3	0.12
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	8	0.12
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	14	0.12
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	20	0.12
(1,3430)	1:173:A:GLN:HG2	1:238:A:GLN:HE21	16	0.12
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	1	0.12
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	8	0.12
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	19	0.12
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB2	20	0.12
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	8	0.12
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	11	0.12
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	17	0.12
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	2	0.12
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	10	0.12
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	16	0.12
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	4	0.12
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	9	0.12
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	10	0.12
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	1	0.12
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	6	0.12
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	18	0.12
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	5	0.12
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	18	0.12
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	19	0.12
(1,3319)	1:90:A:ALA:HA	1:93:A:ARG:HD3	11	0.12
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	1	0.12
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG22	5	0.12
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	4	0.12
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	14	0.12
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	4	0.12
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	13	0.12
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	18	0.12
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	5	0.12
(1,3274)	1:248:A:ALA:HA	1:212:A:PRO:HB3	14	0.12
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	9	0.12
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	1	0.12
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	15	0.12
(1,3224)	1:161:A:ALA:HA	1:162:A:LYS:HA	16	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	1	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	2	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	4	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	5	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	6	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	8	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	9	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	12	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	13	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	16	0.12
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	19	0.12
(1,3159)	1:26:A:PRO:HD2	1:25:A:THR:HA	11	0.12
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	2	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	1	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	3	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	5	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	6	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	9	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	10	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	11	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	13	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	14	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	15	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	17	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	18	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	19	0.12
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	3	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	6	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	9	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	10	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	11	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	14	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	15	0.12
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	18	0.12
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	1	0.12
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	12	0.12
(1,3136)	1:185:A:THR:HA	1:184:A:ASN:HA	11	0.12
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	3	0.12
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	15	0.12
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	16	0.12
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	19	0.12
(1,3131)	1:84:A:PRO:HA	1:86:A:GLU:H	20	0.12
(1,3114)	1:177:A:SER:HB2	1:177:A:SER:H	9	0.12
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	3	0.12
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	9	0.12
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	15	0.12
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	18	0.12
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG22	16	0.12
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG22	18	0.12
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	13	0.12
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	16	0.12
(1,3065)	1:99:A:ALA:HA	1:115:A:LEU:HD13	3	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	1	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	2	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	3	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	4	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	6	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	12	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	13	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	14	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	15	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	16	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	18	0.12
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	19	0.12
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	5	0.12
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	7	0.12
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	20	0.12
(1,3037)	1:182:A:GLN:H	1:179:A:THR:HG22	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3018)	1:106:A:GLN:H	1:105:A:ALA:HB1	1	0.12
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	3	0.12
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	20	0.12
(1,2988)	1:103:A:LYS:HG2	1:115:A:LEU:HD12	3	0.12
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	3	0.12
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	7	0.12
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	9	0.12
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	17	0.12
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	19	0.12
(1,2979)	1:84:A:PRO:HB2	1:84:A:PRO:HA	11	0.12
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	4	0.12
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	9	0.12
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	14	0.12
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG13	6	0.12
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG12	7	0.12
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG11	18	0.12
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	2	0.12
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	3	0.12
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	6	0.12
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	3	0.12
(1,2945)	1:83:A:LEU:HD22	1:80:A:PHE:HE1	5	0.12
(1,2940)	1:95:A:LYS:HE3	1:83:A:LEU:HD22	6	0.12
(1,2935)	1:83:A:LEU:HD23	1:98:A:LEU:HB2	11	0.12
(1,2931)	1:83:A:LEU:HD22	1:83:A:LEU:HD11	11	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	1	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	2	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	6	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	10	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	12	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	13	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	15	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	18	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	19	0.12
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	20	0.12
(1,2891)	1:144:A:PRO:HD3	1:143:A:ARG:HD3	9	0.12
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	2	0.12
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	3	0.12
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	7	0.12
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	8	0.12
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	12	0.12
(1,2873)	1:219:A:ILE:HG21	1:216:A:LYS:HA	3	0.12
(1,2873)	1:219:A:ILE:HG22	1:216:A:LYS:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2855)	1:189:A:ASN:HB2	1:189:A:ASN:HD22	7	0.12
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG23	8	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	2	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	4	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	8	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	11	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	14	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	17	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	18	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	19	0.12
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	20	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	4	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	6	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	11	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	15	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	17	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	18	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	19	0.12
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	20	0.12
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	4	0.12
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	13	0.12
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	16	0.12
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	12	0.12
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD13	11	0.12
(1,2785)	1:64:A:ILE:HA	1:67:A:LEU:HD11	18	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	3	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG12	6	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	7	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG11	8	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG12	10	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG12	12	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	15	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	18	0.12
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG13	20	0.12
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	2	0.12
(1,2735)	1:114:A:ASN:HA	1:117:A:ALA:HB2	13	0.12
(1,2722)	1:97:A:LEU:HD12	1:132:A:TYR:HD2	2	0.12
(1,2695)	1:168:A:ILE:HD11	1:168:A:ILE:HG21	9	0.12
(1,2695)	1:168:A:ILE:HD13	1:168:A:ILE:HG21	18	0.12
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB3	11	0.12
(1,2689)	1:137:A:ILE:HD13	1:154:A:ALA:HB1	17	0.12
(1,2689)	1:137:A:ILE:HD12	1:154:A:ALA:HB1	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB2	1	0.12
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	2	0.12
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	5	0.12
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	15	0.12
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	7	0.12
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	14	0.12
(1,2591)	1:124:A:LEU:HD23	1:129:A:GLN:HG2	15	0.12
(1,2545)	1:48:A:MET:HG2	1:49:A:GLN:HA	19	0.12
(1,2534)	1:238:A:GLN:HG3	1:237:A:THR:H	15	0.12
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	14	0.12
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	20	0.12
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD11	15	0.12
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	18	0.12
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	9	0.12
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	18	0.12
(1,2459)	1:213:A:ASP:H	1:212:A:PRO:HD3	19	0.12
(1,2435)	1:147:A:ASP:H	1:146:A:ILE:HG12	14	0.12
(1,2435)	1:147:A:ASP:H	1:146:A:ILE:HG12	18	0.12
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	3	0.12
(1,2373)	1:76:A:ALA:HB3	1:102:A:ILE:HD12	10	0.12
(1,2369)	1:64:A:ILE:HG21	1:65:A:ARG:H	6	0.12
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB3	1	0.12
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB2	2	0.12
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB2	3	0.12
(1,2360)	1:240:A:VAL:HG12	1:244:A:ALA:HB1	15	0.12
(1,2360)	1:240:A:VAL:HG11	1:244:A:ALA:HB2	19	0.12
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	7	0.12
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG12	14	0.12
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	17	0.12
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	1	0.12
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG21	10	0.12
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG21	12	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	4	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	6	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	12	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	13	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	14	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	19	0.12
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	20	0.12
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	7	0.12
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	15	0.12
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2306)	1:119:A:ILE:HD12	1:119:A:ILE:HG13	20	0.12
(1,2295)	1:129:A:GLN:HA	1:132:A:TYR:HB2	19	0.12
(1,2289)	1:95:A:LYS:HE3	1:80:A:PHE:HD1	18	0.12
(1,2278)	1:172:A:TRP:HE1	1:238:A:GLN:HG3	6	0.12
(1,2278)	1:172:A:TRP:HE1	1:238:A:GLN:HG3	15	0.12
(1,2278)	1:172:A:TRP:HE1	1:238:A:GLN:HG3	17	0.12
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	7	0.12
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	3	0.12
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	4	0.12
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	14	0.12
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	7	0.12
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	9	0.12
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	7	0.12
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	12	0.12
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	20	0.12
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD13	15	0.12
(1,2190)	1:215:A:MET:HE2	1:219:A:ILE:HD13	16	0.12
(1,2152)	1:199:A:LEU:HD12	1:199:A:LEU:HB3	16	0.12
(1,2127)	1:201:A:LEU:HD23	1:215:A:MET:HE2	17	0.12
(1,2121)	1:70:A:GLU:H	1:69:A:LYS:HG3	5	0.12
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	8	0.12
(1,2093)	1:163:A:GLU:HG3	1:162:A:LYS:HD2	13	0.12
(1,2069)	1:74:A:GLY:HA3	1:78:A:GLU:H	7	0.12
(1,2069)	1:74:A:GLY:HA3	1:78:A:GLU:H	11	0.12
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	1	0.12
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	4	0.12
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	9	0.12
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	14	0.12
(1,2030)	1:180:A:GLN:HG3	1:206:A:PHE:HB3	7	0.12
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	14	0.12
(1,1973)	1:146:A:ILE:HD13	1:189:A:ASN:H	10	0.12
(1,1966)	1:62:A:LEU:HD11	1:44:A:TYR:HE2	8	0.12
(1,1960)	1:158:A:LEU:H	1:158:A:LEU:HD23	8	0.12
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	14	0.12
(1,1957)	1:26:A:PRO:HG3	1:26:A:PRO:HD2	19	0.12
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE2	2	0.12
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD13	13	0.12
(1,1796)	1:231:A:GLY:H	1:168:A:ILE:HD12	18	0.12
(1,1737)	1:33:A:MET:HE1	1:30:A:THR:HA	12	0.12
(1,1727)	1:174:A:ALA:HB1	1:171:A:THR:HA	9	0.12
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB2	3	0.12
(1,1672)	1:188:A:ILE:HG21	1:189:A:ASN:HA	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	14	0.12
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	15	0.12
(1,1670)	1:31:A:ALA:HB1	1:31:A:ALA:HA	19	0.12
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	4	0.12
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	9	0.12
(1,1659)	1:66:A:ALA:HB3	1:63:A:ALA:HA	12	0.12
(1,1624)	1:37:A:ALA:HB2	1:31:A:ALA:HA	16	0.12
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	8	0.12
(1,1585)	1:158:A:LEU:HD12	1:158:A:LEU:HA	10	0.12
(1,1585)	1:158:A:LEU:HD11	1:158:A:LEU:HA	16	0.12
(1,1529)	1:69:A:LYS:HG2	1:69:A:LYS:HA	3	0.12
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	1	0.12
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	3	0.12
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	7	0.12
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	13	0.12
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	20	0.12
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	2	0.12
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	5	0.12
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	1	0.12
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	4	0.12
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	6	0.12
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	7	0.12
(1,1490)	1:235:A:LEU:HD12	1:235:A:LEU:HG	13	0.12
(1,1490)	1:235:A:LEU:HD13	1:235:A:LEU:HG	17	0.12
(1,1490)	1:235:A:LEU:HD11	1:235:A:LEU:HG	19	0.12
(1,1468)	1:87:A:LEU:HD22	1:95:A:LYS:HE3	10	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	5	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	7	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	9	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	12	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	15	0.12
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	16	0.12
(1,1435)	1:98:A:LEU:HD13	1:65:A:ARG:HA	18	0.12
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	15	0.12
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	9	0.12
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD12	4	0.12
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	12	0.12
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD11	20	0.12
(1,1394)	1:74:A:GLY:H	1:75:A:GLN:HB2	15	0.12
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	5	0.12
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	12	0.12
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	6	0.12
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	9	0.12
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	16	0.12
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	18	0.12
(1,1306)	1:69:A:LYS:HB2	1:69:A:LYS:H	7	0.12
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	2	0.12
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	9	0.12
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	20	0.12
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	6	0.12
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	10	0.12
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	14	0.12
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	16	0.12
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	17	0.12
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	1	0.12
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	4	0.12
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	15	0.12
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	18	0.12
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	19	0.12
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	11	0.12
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	15	0.12
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	8	0.12
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	17	0.12
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	4	0.12
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	8	0.12
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	15	0.12
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	4	0.12
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	8	0.12
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	10	0.12
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	14	0.12
(1,1202)	1:86:A:GLU:HG3	1:85:A:GLN:H	6	0.12
(1,1195)	1:78:A:GLU:HG2	1:77:A:VAL:H	8	0.12
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	7	0.12
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	9	0.12
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD13	10	0.12
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	15	0.12
(1,1170)	1:163:A:GLU:HG2	1:162:A:LYS:HE2	19	0.12
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	9	0.12
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	13	0.12
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	4	0.12
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	8	0.12
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	11	0.12
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1114)	1:189:A:ASN:HA	1:188:A:ILE:HB	7	0.12
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	7	0.12
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	12	0.12
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	13	0.12
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	16	0.12
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	8	0.12
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	10	0.12
(1,1043)	1:79:A:LEU:HB2	1:82:A:GLN:H	19	0.12
(1,1021)	1:225:A:ARG:HD3	1:226:A:TYR:HE1	14	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	8	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD12	11	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD12	16	0.12
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	20	0.12
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	14	0.12
(1,1003)	1:65:A:ARG:HD3	1:65:A:ARG:HB3	2	0.12
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	6	0.12
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	3	0.12
(1,953)	1:212:A:PRO:HD3	1:211:A:ASP:HB3	18	0.12
(1,946)	1:16:A:PRO:HD2	1:16:A:PRO:HG3	15	0.12
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	7	0.12
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	11	0.12
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	20	0.12
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	10	0.12
(1,921)	1:235:A:LEU:HA	1:235:A:LEU:HD21	19	0.12
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	2	0.12
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	3	0.12
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	5	0.12
(1,880)	1:161:A:ALA:HA	1:160:A:GLY:H	13	0.12
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	8	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	1	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	2	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	6	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	7	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	9	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	11	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	12	0.12
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	14	0.12
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	2	0.12
(1,844)	1:201:A:LEU:HA	1:204:A:VAL:HG22	13	0.12
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	3	0.12
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	11	0.12
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	3	0.12
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	7	0.12
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	11	0.12
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	3	0.12
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	20	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	1	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	3	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	4	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	8	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	12	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	13	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	16	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	19	0.12
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	20	0.12
(1,804)	1:75:A:GLN:HA	1:75:A:GLN:HE22	17	0.12
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	11	0.12
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	17	0.12
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	20	0.12
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	2	0.12
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	3	0.12
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	12	0.12
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	11	0.12
(1,792)	1:223:A:GLN:HA	1:226:A:TYR:HD1	16	0.12
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	8	0.12
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	17	0.12
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG21	15	0.12
(1,733)	1:109:A:PHE:HA	1:113:A:GLN:H	8	0.12
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	1	0.12
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	13	0.12
(1,678)	1:230:A:PRO:HA	1:234:A:MET:H	15	0.12
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	10	0.12
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	14	0.12
(1,663)	1:68:A:VAL:HA	1:70:A:GLU:HB2	5	0.12
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	3	0.12
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	7	0.12
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	9	0.12
(1,659)	1:73:A:THR:HB	1:75:A:GLN:H	12	0.12
(1,656)	1:237:A:THR:HB	1:240:A:VAL:HB	3	0.12
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	4	0.12
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	18	0.12
(1,611)	1:249:A:SER:H	1:249:A:SER:HB3	7	0.12
(1,599)	1:175:A:LEU:H	1:171:A:THR:HA	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,547)	1:205:A:TRP:HZ2	1:209:A:ARG:HB2	19	0.12
(1,537)	1:143:A:ARG:HD3	1:142:A:GLY:H	4	0.12
(1,502)	1:141:A:GLN:HG2	1:109:A:PHE:HB2	9	0.12
(1,497)	1:63:A:ALA:HB1	1:45:A:LEU:HD23	16	0.12
(1,496)	1:219:A:ILE:HG21	1:243:A:LYS:HE3	19	0.12
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	6	0.12
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	11	0.12
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	15	0.12
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	17	0.12
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	8	0.12
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	9	0.12
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	13	0.12
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	14	0.12
(1,465)	1:189:A:ASN:HB3	1:192:A:GLU:HG3	16	0.12
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	6	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD13	2	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD13	4	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD13	6	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	7	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD13	9	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	14	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	15	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	16	0.12
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	17	0.12
(1,333)	1:116:A:LEU:HD23	1:100:A:VAL:HB	2	0.12
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	12	0.12
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	18	0.12
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	8	0.12
(1,326)	1:136:A:LYS:H	1:136:A:LYS:HG2	7	0.12
(1,310)	1:49:A:GLN:HA	1:49:A:GLN:HB3	12	0.12
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	7	0.12
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	15	0.12
(1,305)	1:146:A:ILE:HG12	1:187:A:VAL:H	16	0.12
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	14	0.12
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	7	0.12
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	19	0.12
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	2	0.12
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	5	0.12
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	11	0.12
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	3	0.12
(1,271)	1:54:A:ASP:HB3	1:55:A:THR:HA	9	0.12
(1,254)	1:22:A:GLY:HA3	1:23:A:THR:HG23	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	9	0.12
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	10	0.12
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	11	0.12
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	13	0.12
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	16	0.12
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	18	0.12
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	20	0.12
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	5	0.12
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	7	0.12
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	10	0.12
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD13	11	0.11
(1,5843)	1:222:A:TRP:HE1	1:201:A:LEU:HD13	14	0.11
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	19	0.11
(1,5836)	1:205:A:TRP:HE1	1:209:A:ARG:HD3	10	0.11
(1,5829)	1:133:A:TRP:HE1	1:121:A:PRO:HB3	3	0.11
(1,5829)	1:133:A:TRP:HE1	1:121:A:PRO:HB3	12	0.11
(1,5829)	1:133:A:TRP:HE1	1:121:A:PRO:HB3	20	0.11
(1,5812)	1:198:A:TRP:HE1	1:229:A:ASN:HA	3	0.11
(1,5812)	1:198:A:TRP:HE1	1:229:A:ASN:HA	14	0.11
(1,5809)	1:198:A:TRP:HE1	1:198:A:TRP:H	18	0.11
(1,5778)	1:166:A:GLN:H	1:167:A:ASN:HB3	14	0.11
(1,5778)	1:166:A:GLN:H	1:167:A:ASN:HB3	18	0.11
(1,5776)	1:52:A:SER:H	1:17:A:ARG:HG3	11	0.11
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	14	0.11
(1,5753)	1:47:A:GLN:H	1:46:A:GLN:HB2	12	0.11
(1,5753)	1:47:A:GLN:H	1:46:A:GLN:HB2	18	0.11
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	4	0.11
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	14	0.11
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	16	0.11
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	18	0.11
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	20	0.11
(1,5712)	1:48:A:MET:H	1:47:A:GLN:HG2	1	0.11
(1,5676)	1:186:A:LEU:H	1:183:A:ALA:HB1	19	0.11
(1,5669)	1:244:A:ALA:H	1:240:A:VAL:HA	5	0.11
(1,5661)	1:160:A:GLY:H	1:159:A:LEU:H	16	0.11
(1,5654)	1:45:A:LEU:H	1:46:A:GLN:HB3	19	0.11
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	6	0.11
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	8	0.11
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	11	0.11
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	14	0.11
(1,5650)	1:96:A:THR:H	1:98:A:LEU:HD12	18	0.11
(1,5631)	1:245:A:PHE:H	1:241:A:ASN:HA	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	18	0.11
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	4	0.11
(1,5605)	1:169:A:ASP:H	1:166:A:GLN:H	19	0.11
(1,5597)	1:234:A:MET:H	1:233:A:LYS:HD3	12	0.11
(1,5577)	1:17:A:ARG:H	1:17:A:ARG:HB2	11	0.11
(1,5561)	1:231:A:GLY:H	1:233:A:LYS:H	5	0.11
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	18	0.11
(1,5552)	1:142:A:GLY:H	1:141:A:GLN:HG3	19	0.11
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	20	0.11
(1,5496)	1:48:A:MET:H	1:48:A:MET:HG2	9	0.11
(1,5487)	1:95:A:LYS:H	1:93:A:ARG:HA	10	0.11
(1,5459)	1:188:A:ILE:H	1:188:A:ILE:HG13	20	0.11
(1,5423)	1:183:A:ALA:H	1:182:A:GLN:HG2	5	0.11
(1,5405)	1:80:A:PHE:H	1:79:A:LEU:HD23	10	0.11
(1,5365)	1:166:A:GLN:H	1:166:A:GLN:HB2	19	0.11
(1,5359)	1:129:A:GLN:H	1:133:A:TRP:HD1	4	0.11
(1,5355)	1:52:A:SER:H	1:17:A:ARG:HB3	6	0.11
(1,5326)	1:35:A:GLY:H	1:34:A:GLN:HB3	19	0.11
(1,5298)	1:185:A:THR:H	1:183:A:ALA:H	19	0.11
(1,5253)	1:228:A:ASN:H	1:227:A:PRO:HD3	8	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG21	2	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG21	5	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG23	8	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG23	9	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG21	13	0.11
(1,5250)	1:36:A:THR:H	1:36:A:THR:HG23	14	0.11
(1,5247)	1:36:A:THR:H	1:32:A:TYR:HA	11	0.11
(1,5231)	1:184:A:ASN:H	1:183:A:ALA:HB3	6	0.11
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	4	0.11
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	12	0.11
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	17	0.11
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	2	0.11
(1,5223)	1:51:A:SER:H	1:50:A:GLN:HA	15	0.11
(1,5213)	1:208:A:ASN:H	1:207:A:ASP:HB2	12	0.11
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB2	2	0.11
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB2	3	0.11
(1,5166)	1:29:A:SER:H	1:31:A:ALA:HB1	7	0.11
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	1	0.11
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	12	0.11
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	19	0.11
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	1	0.11
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	5	0.11
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	8	0.11
(1,5092)	1:47:A:GLN:H	1:43:A:PHE:HD1	2	0.11
(1,5090)	1:40:A:ASP:H	1:41:A:SER:H	19	0.11
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	2	0.11
(1,5078)	1:196:A:GLN:H	1:193:A:ASN:H	6	0.11
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	15	0.11
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	16	0.11
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	17	0.11
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	18	0.11
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	3	0.11
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	5	0.11
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	15	0.11
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	9	0.11
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	4	0.11
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	9	0.11
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	14	0.11
(1,5027)	1:38:A:GLN:H	1:38:A:GLN:HG3	19	0.11
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	1	0.11
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD13	4	0.11
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD11	15	0.11
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD12	18	0.11
(1,4976)	1:81:A:ASN:H	1:82:A:GLN:HG2	12	0.11
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	11	0.11
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	18	0.11
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	13	0.11
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	15	0.11
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	3	0.11
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	8	0.11
(1,4898)	1:225:A:ARG:H	1:225:A:ARG:HG3	4	0.11
(1,4898)	1:225:A:ARG:H	1:225:A:ARG:HG3	16	0.11
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG21	9	0.11
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG22	14	0.11
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	4	0.11
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	5	0.11
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	8	0.11
(1,4832)	1:130:A:ALA:H	1:127:A:ASN:H	20	0.11
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG22	1	0.11
(1,4827)	1:53:A:ASP:H	1:52:A:SER:HB3	7	0.11
(1,4820)	1:174:A:ALA:H	1:173:A:GLN:HB2	11	0.11
(1,4820)	1:174:A:ALA:H	1:173:A:GLN:HB2	18	0.11
(1,4807)	1:66:A:ALA:H	1:65:A:ARG:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD12	9	0.11
(1,4795)	1:102:A:ILE:H	1:102:A:ILE:HD12	17	0.11
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	7	0.11
(1,4794)	1:102:A:ILE:H	1:102:A:ILE:HG12	10	0.11
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	1	0.11
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	7	0.11
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	11	0.11
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	17	0.11
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	6	0.11
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	11	0.11
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	1	0.11
(1,4778)	1:217:A:ALA:H	1:218:A:GLY:HA3	3	0.11
(1,4719)	1:186:A:LEU:H	1:186:A:LEU:HD22	17	0.11
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	2	0.11
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	9	0.11
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	12	0.11
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	13	0.11
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	14	0.11
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	13	0.11
(1,4695)	1:169:A:ASP:H	1:166:A:GLN:HG2	15	0.11
(1,4688)	1:192:A:GLU:H	1:190:A:ALA:H	7	0.11
(1,4675)	1:190:A:ALA:H	1:192:A:GLU:HG2	2	0.11
(1,4675)	1:190:A:ALA:H	1:192:A:GLU:HG2	3	0.11
(1,4675)	1:190:A:ALA:H	1:192:A:GLU:HG2	11	0.11
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	5	0.11
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	6	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	1	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	2	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	3	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	7	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	11	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	12	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	15	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	16	0.11
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	20	0.11
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	2	0.11
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	3	0.11
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	7	0.11
(1,4655)	1:126:A:GLN:H	1:126:A:GLN:HB3	11	0.11
(1,4654)	1:42:A:ALA:H	1:42:A:ALA:HB2	16	0.11
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	9	0.11
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4641)	1:234:A:MET:H	1:233:A:LYS:HG3	13	0.11
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB3	10	0.11
(1,4601)	1:246:A:LYS:H	1:246:A:LYS:HG3	2	0.11
(1,4576)	1:222:A:TRP:HE1	1:201:A:LEU:HA	5	0.11
(1,4553)	1:245:A:PHE:HZ	1:248:A:ALA:HA	18	0.11
(1,4548)	1:245:A:PHE:HZ	1:246:A:LYS:HB2	7	0.11
(1,4548)	1:245:A:PHE:HZ	1:246:A:LYS:HB2	19	0.11
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	1	0.11
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	10	0.11
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	11	0.11
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	15	0.11
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	17	0.11
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	19	0.11
(1,4525)	1:43:A:PHE:HE1	1:47:A:GLN:HE21	7	0.11
(1,4489)	1:172:A:TRP:HD1	1:238:A:GLN:HG3	17	0.11
(1,4466)	1:180:A:GLN:HA	1:206:A:PHE:HZ	9	0.11
(1,4453)	1:177:A:SER:HA	1:205:A:TRP:HZ3	20	0.11
(1,4445)	1:226:A:TYR:HE2	1:193:A:ASN:HA	8	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	1	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	2	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	5	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	8	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	12	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	13	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	14	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	19	0.11
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	20	0.11
(1,4421)	1:226:A:TYR:HD1	1:225:A:ARG:HA	2	0.11
(1,4420)	1:226:A:TYR:HD2	1:193:A:ASN:HA	14	0.11
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	4	0.11
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	14	0.11
(1,4399)	1:32:A:TYR:HD2	1:43:A:PHE:HE2	17	0.11
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	5	0.11
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	12	0.11
(1,4370)	1:32:A:TYR:HE1	1:38:A:GLN:HA	17	0.11
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	13	0.11
(1,4360)	1:198:A:TRP:HD1	1:194:A:ILE:HA	20	0.11
(1,4323)	1:236:A:PRO:HB3	1:198:A:TRP:HH2	6	0.11
(1,4321)	1:146:A:ILE:HD11	1:150:A:ARG:HD3	9	0.11
(1,4317)	1:175:A:LEU:HG	1:171:A:THR:HG21	14	0.11
(1,4309)	1:83:A:LEU:HD11	1:60:A:GLN:HE22	15	0.11
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	11	0.11
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	8	0.11
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	13	0.11
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	9	0.11
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	14	0.11
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD13	10	0.11
(1,4255)	1:205:A:TRP:H	1:204:A:VAL:HG23	4	0.11
(1,4231)	1:178:A:MET:HB2	1:202:A:GLN:HE21	13	0.11
(1,4209)	1:127:A:ASN:HB2	1:34:A:GLN:HA	9	0.11
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	3	0.11
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	5	0.11
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	10	0.11
(1,4198)	1:150:A:ARG:HD2	1:146:A:ILE:HG12	2	0.11
(1,4196)	1:150:A:ARG:HD2	1:147:A:ASP:H	13	0.11
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	6	0.11
(1,4156)	1:103:A:LYS:HD3	1:103:A:LYS:HA	16	0.11
(1,4147)	1:61:A:LEU:HD13	1:95:A:LYS:HA	2	0.11
(1,4083)	1:239:A:LEU:HD13	1:205:A:TRP:HB3	16	0.11
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	9	0.11
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	17	0.11
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	20	0.11
(1,4024)	1:103:A:LYS:HD3	1:103:A:LYS:HE2	16	0.11
(1,4024)	1:103:A:LYS:HD3	1:103:A:LYS:HE2	17	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	1	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	2	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	3	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	4	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	5	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	6	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	7	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	8	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	9	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	10	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	11	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	12	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	13	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	14	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	16	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	17	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	18	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	19	0.11
(1,4022)	1:21:A:MET:HG3	1:21:A:MET:HG2	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	11	0.11
(1,3982)	1:143:A:ARG:H	1:141:A:GLN:HG3	12	0.11
(1,3966)	1:48:A:MET:HE1	1:45:A:LEU:HA	4	0.11
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	13	0.11
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	15	0.11
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	16	0.11
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	19	0.11
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	3	0.11
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	18	0.11
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	19	0.11
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD13	3	0.11
(1,3911)	1:230:A:PRO:HG2	1:194:A:ILE:HD11	20	0.11
(1,3909)	1:230:A:PRO:HG3	1:194:A:ILE:HG22	12	0.11
(1,3899)	1:154:A:ALA:HB2	1:129:A:GLN:HB3	12	0.11
(1,3895)	1:64:A:ILE:HG23	1:98:A:LEU:HA	1	0.11
(1,3885)	1:69:A:LYS:HG3	1:65:A:ARG:HD2	20	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	1	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	3	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	5	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	6	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	8	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	9	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	11	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	14	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	15	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	16	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	17	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	19	0.11
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	20	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	2	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	3	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	4	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	5	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	6	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	7	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	8	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	9	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	10	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	11	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	13	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	14	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	17	0.11
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	19	0.11
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	2	0.11
(1,3797)	1:179:A:THR:HG21	1:179:A:THR:HA	3	0.11
(1,3797)	1:179:A:THR:HG23	1:179:A:THR:HA	7	0.11
(1,3797)	1:179:A:THR:HG22	1:179:A:THR:HA	20	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	1	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	2	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	4	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	5	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	6	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	7	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	8	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	9	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	10	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	11	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	14	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	15	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	16	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	19	0.11
(1,3789)	1:212:A:PRO:HD2	1:212:A:PRO:HG3	20	0.11
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	1	0.11
(1,3762)	1:57:A:ILE:HG23	1:83:A:LEU:HA	3	0.11
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD12	1	0.11
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD11	16	0.11
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD11	6	0.11
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD12	8	0.11
(1,3737)	1:77:A:VAL:HG22	1:102:A:ILE:HD13	12	0.11
(1,3730)	1:146:A:ILE:HD12	1:186:A:LEU:HD13	7	0.11
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD13	1	0.11
(1,3729)	1:80:A:PHE:HB3	1:64:A:ILE:HD11	15	0.11
(1,3728)	1:137:A:ILE:HG22	1:170:A:ALA:HB2	15	0.11
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	10	0.11
(1,3696)	1:65:A:ARG:HA	1:64:A:ILE:HG23	16	0.11
(1,3667)	1:98:A:LEU:HD21	1:98:A:LEU:HD12	3	0.11
(1,3667)	1:98:A:LEU:HD23	1:98:A:LEU:HD11	15	0.11
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	1	0.11
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	2	0.11
(1,3664)	1:115:A:LEU:HD21	1:115:A:LEU:HG	5	0.11
(1,3664)	1:115:A:LEU:HD21	1:115:A:LEU:HG	6	0.11
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	17	0.11
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	19	0.11
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	20	0.11
(1,3645)	1:195:A:LEU:HD13	1:192:A:GLU:HA	1	0.11
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD13	5	0.11
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD13	16	0.11
(1,3593)	1:235:A:LEU:HB2	1:235:A:LEU:HD12	10	0.11
(1,3588)	1:104:A:LEU:HD12	1:102:A:ILE:H	1	0.11
(1,3588)	1:104:A:LEU:HD11	1:102:A:ILE:H	6	0.11
(1,3588)	1:104:A:LEU:HD13	1:102:A:ILE:H	11	0.11
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	4	0.11
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	6	0.11
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	7	0.11
(1,3537)	1:79:A:LEU:HG	1:82:A:GLN:H	16	0.11
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	11	0.11
(1,3520)	1:194:A:ILE:HG13	1:193:A:ASN:H	13	0.11
(1,3500)	1:146:A:ILE:HG12	1:150:A:ARG:HA	3	0.11
(1,3493)	1:72:A:LYS:HD3	1:70:A:GLU:HG3	12	0.11
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	2	0.11
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	8	0.11
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	11	0.11
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	20	0.11
(1,3474)	1:17:A:ARG:HB2	1:17:A:ARG:HD3	12	0.11
(1,3466)	1:68:A:VAL:HB	1:105:A:ALA:HB3	13	0.11
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	1	0.11
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	2	0.11
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	6	0.11
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	20	0.11
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	2	0.11
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	19	0.11
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	2	0.11
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	14	0.11
(1,3424)	1:85:A:GLN:HG3	1:86:A:GLU:H	17	0.11
(1,3419)	1:106:A:GLN:HG3	1:105:A:ALA:HB3	6	0.11
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	2	0.11
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	3	0.11
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	14	0.11
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	19	0.11
(1,3407)	1:86:A:GLU:HG3	1:87:A:LEU:HA	20	0.11
(1,3404)	1:129:A:GLN:HG3	1:158:A:LEU:HD11	12	0.11
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	1	0.11
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	4	0.11
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	11	0.11
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	12	0.11
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	17	0.11
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	20	0.11
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	1	0.11
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	5	0.11
(1,3388)	1:111:A:GLY:HA3	1:114:A:ASN:HB2	16	0.11
(1,3382)	1:245:A:PHE:HB2	1:246:A:LYS:HD2	19	0.11
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	3	0.11
(1,3369)	1:229:A:ASN:HB3	1:228:A:ASN:HD21	2	0.11
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	18	0.11
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	19	0.11
(1,3365)	1:53:A:ASP:HB3	1:52:A:SER:HA	20	0.11
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	5	0.11
(1,3363)	1:53:A:ASP:HB3	1:54:A:ASP:HB2	10	0.11
(1,3351)	1:200:A:ASP:HB3	1:226:A:TYR:HD1	20	0.11
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	2	0.11
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	10	0.11
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	13	0.11
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	8	0.11
(1,3315)	1:65:A:ARG:HD3	1:44:A:TYR:HE2	15	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	7	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	10	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	11	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	12	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	16	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	17	0.11
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	20	0.11
(1,3294)	1:26:A:PRO:HD3	1:30:A:THR:HG23	4	0.11
(1,3290)	1:230:A:PRO:HD2	1:228:A:ASN:HD21	17	0.11
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	5	0.11
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	6	0.11
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	11	0.11
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	15	0.11
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	17	0.11
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	12	0.11
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	19	0.11
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	20	0.11
(1,3242)	1:170:A:ALA:HA	1:173:A:GLN:HB3	3	0.11
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	2	0.11
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	5	0.11
(1,3194)	1:224:A:LYS:HA	1:226:A:TYR:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	3	0.11
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	7	0.11
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	10	0.11
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	11	0.11
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	17	0.11
(1,3169)	1:180:A:GLN:HA	1:179:A:THR:HA	19	0.11
(1,3146)	1:56:A:ARG:HA	1:56:A:ARG:HD3	18	0.11
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	2	0.11
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	7	0.11
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	8	0.11
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	12	0.11
(1,3143)	1:126:A:GLN:HA	1:125:A:GLU:HA	16	0.11
(1,3142)	1:43:A:PHE:HA	1:43:A:PHE:HE1	5	0.11
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	3	0.11
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	9	0.11
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	16	0.11
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	20	0.11
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	8	0.11
(1,3102)	1:172:A:TRP:H	1:168:A:ILE:HA	17	0.11
(1,3102)	1:172:A:TRP:H	1:168:A:ILE:HA	19	0.11
(1,3099)	1:230:A:PRO:HA	1:230:A:PRO:HD2	13	0.11
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG23	1	0.11
(1,3089)	1:77:A:VAL:HA	1:102:A:ILE:HG21	17	0.11
(1,3072)	1:120:A:THR:HB	1:124:A:LEU:HG	16	0.11
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	3	0.11
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	14	0.11
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	20	0.11
(1,3061)	1:232:A:ALA:HB2	1:223:A:GLN:HG3	7	0.11
(1,3061)	1:232:A:ALA:HB1	1:223:A:GLN:HG3	17	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	5	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	7	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	9	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	10	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	11	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	17	0.11
(1,3047)	1:157:A:PRO:HB2	1:157:A:PRO:HA	20	0.11
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	13	0.11
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	1	0.11
(1,2992)	1:127:A:ASN:HB3	1:125:A:GLU:HG3	7	0.11
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	1	0.11
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	13	0.11
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	1	0.11
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	5	0.11
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	8	0.11
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	10	0.11
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	12	0.11
(1,2968)	1:159:A:LEU:HG	1:163:A:GLU:HG3	17	0.11
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG13	3	0.11
(1,2957)	1:216:A:LYS:HG2	1:242:A:VAL:HG13	4	0.11
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	8	0.11
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	12	0.11
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	16	0.11
(1,2954)	1:136:A:LYS:HE3	1:132:A:TYR:HE1	20	0.11
(1,2945)	1:83:A:LEU:HD23	1:80:A:PHE:HE1	13	0.11
(1,2945)	1:83:A:LEU:HD21	1:80:A:PHE:HE1	14	0.11
(1,2920)	1:83:A:LEU:HD11	1:96:A:THR:H	3	0.11
(1,2920)	1:83:A:LEU:HD13	1:96:A:THR:H	15	0.11
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	5	0.11
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	8	0.11
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	9	0.11
(1,2912)	1:107:A:LYS:HA	1:107:A:LYS:HD2	11	0.11
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	16	0.11
(1,2895)	1:217:A:ALA:HB2	1:216:A:LYS:HD2	17	0.11
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	6	0.11
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	16	0.11
(1,2884)	1:203:A:ARG:HG3	1:200:A:ASP:H	19	0.11
(1,2868)	1:95:A:LYS:HE2	1:98:A:LEU:HD23	10	0.11
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	2	0.11
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	11	0.11
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG21	12	0.11
(1,2830)	1:137:A:ILE:HD12	1:133:A:TRP:HE3	6	0.11
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	3	0.11
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	6	0.11
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	7	0.11
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	13	0.11
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	16	0.11
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	7	0.11
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	10	0.11
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	16	0.11
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	8	0.11
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	12	0.11
(1,2820)	1:216:A:LYS:HD2	1:215:A:MET:H	17	0.11
(1,2797)	1:103:A:LYS:HG2	1:104:A:LEU:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	1	0.11
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	4	0.11
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	9	0.11
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	13	0.11
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG11	5	0.11
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	5	0.11
(1,2695)	1:168:A:ILE:HD13	1:168:A:ILE:HG23	11	0.11
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	2	0.11
(1,2674)	1:130:A:ALA:HB2	1:127:A:ASN:HD22	20	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	10	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB1	13	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB1	16	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	17	0.11
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	20	0.11
(1,2626)	1:37:A:ALA:HB3	1:34:A:GLN:H	5	0.11
(1,2626)	1:37:A:ALA:HB1	1:34:A:GLN:H	13	0.11
(1,2626)	1:37:A:ALA:HB2	1:34:A:GLN:H	16	0.11
(1,2624)	1:35:A:GLY:H	1:37:A:ALA:HB3	6	0.11
(1,2600)	1:164:A:LYS:HG2	1:164:A:LYS:HE3	9	0.11
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	5	0.11
(1,2545)	1:48:A:MET:HG2	1:49:A:GLN:HA	1	0.11
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	10	0.11
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	15	0.11
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD13	9	0.11
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	7	0.11
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	12	0.11
(1,2473)	1:92:A:ARG:H	1:89:A:ASP:HA	7	0.11
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	13	0.11
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	15	0.11
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	16	0.11
(1,2424)	1:95:A:LYS:HD2	1:80:A:PHE:HZ	19	0.11
(1,2418)	1:95:A:LYS:HD2	1:83:A:LEU:HD11	6	0.11
(1,2415)	1:17:A:ARG:H	1:17:A:ARG:HB3	13	0.11
(1,2404)	1:82:A:GLN:H	1:82:A:GLN:HG3	15	0.11
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	1	0.11
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	2	0.11
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	3	0.11
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	4	0.11
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	10	0.11
(1,2397)	1:163:A:GLU:HG3	1:161:A:ALA:H	16	0.11
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	1	0.11
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	13	0.11
(1,2373)	1:76:A:ALA:HB1	1:102:A:ILE:HD13	17	0.11
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	3	0.11
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD23	6	0.11
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD23	11	0.11
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	12	0.11
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD23	13	0.11
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	14	0.11
(1,2359)	1:240:A:VAL:HG11	1:243:A:LYS:HG2	3	0.11
(1,2359)	1:240:A:VAL:HG12	1:243:A:LYS:HG2	13	0.11
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG11	4	0.11
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG21	4	0.11
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG21	11	0.11
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	6	0.11
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	14	0.11
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	20	0.11
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	1	0.11
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	2	0.11
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	4	0.11
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	6	0.11
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	8	0.11
(1,2306)	1:119:A:ILE:HD12	1:119:A:ILE:HG13	11	0.11
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	13	0.11
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	16	0.11
(1,2295)	1:129:A:GLN:HA	1:132:A:TYR:HB2	14	0.11
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	2	0.11
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	4	0.11
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	17	0.11
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	2	0.11
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	3	0.11
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	10	0.11
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	16	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	1	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	2	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	7	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	8	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	10	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	13	0.11
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	17	0.11
(1,2227)	1:55:A:THR:HG21	1:48:A:MET:HA	3	0.11
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	20	0.11
(1,2216)	1:242:A:VAL:HB	1:242:A:VAL:HG11	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:242:A:VAL:HB	1:242:A:VAL:HG13	20	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	1	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	2	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	4	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	5	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	8	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	9	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	10	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	11	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	13	0.11
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	18	0.11
(1,2197)	1:178:A:MET:HB3	1:145:A:SER:H	7	0.11
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD11	8	0.11
(1,2172)	1:218:A:GLY:HA2	1:214:A:MET:HA	8	0.11
(1,2152)	1:199:A:LEU:HD13	1:199:A:LEU:HB3	18	0.11
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	3	0.11
(1,2127)	1:201:A:LEU:HD21	1:215:A:MET:HE1	15	0.11
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	1	0.11
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	20	0.11
(1,2069)	1:74:A:GLY:HA3	1:78:A:GLU:H	5	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	3	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	5	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	6	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	8	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	10	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	12	0.11
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	15	0.11
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	10	0.11
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE2	1	0.11
(1,1947)	1:183:A:ALA:HA	1:178:A:MET:HE1	9	0.11
(1,1883)	1:47:A:GLN:HG3	1:51:A:SER:HB3	2	0.11
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	1	0.11
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	9	0.11
(1,1833)	1:222:A:TRP:HE1	1:200:A:ASP:HB2	18	0.11
(1,1817)	1:191:A:ASP:H	1:189:A:ASN:HB3	7	0.11
(1,1792)	1:102:A:ILE:HD13	1:102:A:ILE:HG22	15	0.11
(1,1764)	1:219:A:ILE:HD11	1:239:A:LEU:HA	11	0.11
(1,1764)	1:219:A:ILE:HD12	1:239:A:LEU:HA	18	0.11
(1,1755)	1:64:A:ILE:HD11	1:83:A:LEU:H	6	0.11
(1,1745)	1:153:A:ILE:HG22	1:156:A:GLU:H	13	0.11
(1,1716)	1:146:A:ILE:HG21	1:147:A:ASP:HA	14	0.11
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	3	0.11
(1,1669)	1:31:A:ALA:HB1	1:37:A:ALA:H	16	0.11
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	9	0.11
(1,1659)	1:66:A:ALA:HB1	1:63:A:ALA:HA	10	0.11
(1,1659)	1:66:A:ALA:HB1	1:63:A:ALA:HA	15	0.11
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	17	0.11
(1,1624)	1:37:A:ALA:HB1	1:31:A:ALA:HA	9	0.11
(1,1624)	1:37:A:ALA:HB2	1:31:A:ALA:HA	17	0.11
(1,1624)	1:37:A:ALA:HB1	1:31:A:ALA:HA	20	0.11
(1,1602)	1:30:A:THR:HG21	1:34:A:GLN:HE22	12	0.11
(1,1585)	1:158:A:LEU:HD13	1:158:A:LEU:HA	12	0.11
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	18	0.11
(1,1574)	1:195:A:LEU:HD13	1:198:A:TRP:HD1	20	0.11
(1,1527)	1:243:A:LYS:HG3	1:243:A:LYS:H	8	0.11
(1,1525)	1:69:A:LYS:HG2	1:68:A:VAL:H	17	0.11
(1,1520)	1:243:A:LYS:HG2	1:243:A:LYS:HB3	12	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	2	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	4	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	6	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	8	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	12	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	14	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	15	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	16	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	18	0.11
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	19	0.11
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	8	0.11
(1,1491)	1:188:A:ILE:HG12	1:146:A:ILE:HD13	3	0.11
(1,1474)	1:14:A:LEU:HG	1:14:A:LEU:H	16	0.11
(1,1445)	1:203:A:ARG:HG2	1:203:A:ARG:HB3	9	0.11
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	2	0.11
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	4	0.11
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	18	0.11
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	20	0.11
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	13	0.11
(1,1437)	1:213:A:ASP:H	1:212:A:PRO:HG2	18	0.11
(1,1421)	1:126:A:GLN:HB3	1:126:A:GLN:HG3	3	0.11
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	9	0.11
(1,1406)	1:194:A:ILE:HG13	1:193:A:ASN:HD21	13	0.11
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	15	0.11
(1,1394)	1:74:A:GLY:H	1:75:A:GLN:HB2	4	0.11
(1,1394)	1:74:A:GLY:H	1:75:A:GLN:HB2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1394)	1:74:A:GLY:H	1:75:A:GLN:HB2	20	0.11
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	19	0.11
(1,1392)	1:194:A:ILE:HG12	1:194:A:ILE:HA	20	0.11
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	2	0.11
(1,1387)	1:136:A:LYS:HD3	1:136:A:LYS:HA	12	0.11
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	15	0.11
(1,1306)	1:69:A:LYS:HB2	1:69:A:LYS:H	1	0.11
(1,1296)	1:248:A:ALA:H	1:247:A:PRO:HB2	5	0.11
(1,1292)	1:84:A:PRO:HB3	1:85:A:GLN:H	11	0.11
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	12	0.11
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	18	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	1	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	2	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	3	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	4	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	5	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	7	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	8	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	9	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	11	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	12	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	13	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	15	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	18	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	19	0.11
(1,1285)	1:33:A:MET:HG2	1:33:A:MET:HB2	20	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	3	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	7	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	8	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	9	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	11	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	14	0.11
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	20	0.11
(1,1274)	1:178:A:MET:H	1:178:A:MET:HG2	16	0.11
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	3	0.11
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	17	0.11
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	20	0.11
(1,1257)	1:46:A:GLN:HG2	1:45:A:LEU:H	11	0.11
(1,1257)	1:46:A:GLN:HG2	1:45:A:LEU:H	12	0.11
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	4	0.11
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	1	0.11
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	8	0.11
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	9	0.11
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	10	0.11
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	15	0.11
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	16	0.11
(1,1202)	1:86:A:GLU:HG3	1:85:A:GLN:H	2	0.11
(1,1202)	1:86:A:GLU:HG3	1:85:A:GLN:H	18	0.11
(1,1195)	1:78:A:GLU:HG2	1:77:A:VAL:H	18	0.11
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	9	0.11
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	20	0.11
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD13	14	0.11
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	16	0.11
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	14	0.11
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	3	0.11
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	4	0.11
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	5	0.11
(1,1078)	1:221:A:ASP:HB3	1:204:A:VAL:HG23	14	0.11
(1,1076)	1:45:A:LEU:HB3	1:42:A:ALA:HA	19	0.11
(1,1018)	1:159:A:LEU:HB2	1:163:A:GLU:HB2	3	0.11
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD12	3	0.11
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	13	0.11
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD12	15	0.11
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	17	0.11
(1,997)	1:93:A:ARG:HD3	1:124:A:LEU:HA	11	0.11
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	7	0.11
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	8	0.11
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	16	0.11
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	20	0.11
(1,953)	1:212:A:PRO:HD3	1:211:A:ASP:HB3	19	0.11
(1,933)	1:230:A:PRO:HD3	1:229:A:ASN:HB2	14	0.11
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	6	0.11
(1,923)	1:189:A:ASN:HA	1:189:A:ASN:HD21	8	0.11
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	14	0.11
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	19	0.11
(1,875)	1:243:A:LYS:HA	1:243:A:LYS:HB3	20	0.11
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	5	0.11
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	8	0.11
(1,866)	1:234:A:MET:H	1:233:A:LYS:HA	15	0.11
(1,853)	1:175:A:LEU:HA	1:202:A:GLN:HE21	18	0.11
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	4	0.11
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	6	0.11
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	13	0.11
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	15	0.11
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	4	0.11
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	12	0.11
(1,835)	1:49:A:GLN:HA	1:49:A:GLN:HG3	20	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	7	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	8	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	10	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	15	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	18	0.11
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	19	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	1	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	2	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	4	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	5	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	6	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	8	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	10	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	12	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	13	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	14	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	15	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	17	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	18	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	19	0.11
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	20	0.11
(1,817)	1:89:A:ASP:HA	1:92:A:ARG:HB2	20	0.11
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	1	0.11
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	5	0.11
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	19	0.11
(1,815)	1:89:A:ASP:HA	1:92:A:ARG:HD2	1	0.11
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	2	0.11
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	5	0.11
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	7	0.11
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	9	0.11
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	14	0.11
(1,811)	1:238:A:GLN:HA	1:238:A:GLN:HB2	18	0.11
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	9	0.11
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	14	0.11
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	19	0.11
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	5	0.11
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	10	0.11
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	4	0.11
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	9	0.11
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	13	0.11
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	15	0.11
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	16	0.11
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	20	0.11
(1,762)	1:101:A:GLU:HA	1:104:A:LEU:HB2	6	0.11
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG22	20	0.11
(1,733)	1:109:A:PHE:HA	1:113:A:GLN:H	7	0.11
(1,733)	1:109:A:PHE:HA	1:113:A:GLN:H	20	0.11
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	2	0.11
(1,688)	1:52:A:SER:HB2	1:53:A:ASP:HB2	16	0.11
(1,686)	1:137:A:ILE:HA	1:136:A:LYS:HB3	2	0.11
(1,686)	1:137:A:ILE:HA	1:136:A:LYS:HB3	19	0.11
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	9	0.11
(1,672)	1:237:A:THR:HA	1:239:A:LEU:H	18	0.11
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	12	0.11
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	10	0.11
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	16	0.11
(1,585)	1:225:A:ARG:H	1:227:A:PRO:HD3	12	0.11
(1,571)	1:56:A:ARG:H	1:52:A:SER:H	9	0.11
(1,547)	1:205:A:TRP:HZ2	1:209:A:ARG:HB2	4	0.11
(1,518)	1:41:A:SER:HA	1:63:A:ALA:HB3	3	0.11
(1,512)	1:140:A:SER:HB2	1:147:A:ASP:HB3	8	0.11
(1,510)	1:115:A:LEU:HD23	1:115:A:LEU:HG	3	0.11
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	1	0.11
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	20	0.11
(1,439)	1:86:A:GLU:HB3	1:86:A:GLU:HG2	13	0.11
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD13	1	0.11
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	5	0.11
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD11	12	0.11
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	13	0.11
(1,342)	1:146:A:ILE:HD12	1:187:A:VAL:H	2	0.11
(1,342)	1:146:A:ILE:HD13	1:187:A:VAL:H	3	0.11
(1,342)	1:146:A:ILE:HD11	1:187:A:VAL:H	13	0.11
(1,333)	1:116:A:LEU:HD22	1:100:A:VAL:HB	15	0.11
(1,329)	1:243:A:LYS:HG3	1:243:A:LYS:H	11	0.11
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	2	0.11
(1,307)	1:85:A:GLN:HB3	1:85:A:GLN:HG2	6	0.11
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	5	0.11
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	8	0.11
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	13	0.11
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	14	0.11
(1,296)	1:69:A:LYS:HB2	1:69:A:LYS:HG2	18	0.11
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	3	0.11
(1,283)	1:180:A:GLN:HG2	1:206:A:PHE:HB2	16	0.11
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	16	0.11
(1,281)	1:50:A:GLN:HG3	1:50:A:GLN:HA	19	0.11
(1,242)	1:107:A:LYS:HA	1:105:A:ALA:HA	8	0.11
(1,234)	1:162:A:LYS:HA	1:162:A:LYS:HE2	4	0.11
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	1	0.11
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	7	0.11
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	12	0.11
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	14	0.11
(1,5838)	1:133:A:TRP:HE1	1:154:A:ALA:HB3	16	0.1
(1,5829)	1:133:A:TRP:HE1	1:121:A:PRO:HB3	2	0.1
(1,5772)	1:13:A:GLY:H	1:14:A:LEU:HA	16	0.1
(1,5753)	1:47:A:GLN:H	1:46:A:GLN:HB2	3	0.1
(1,5753)	1:47:A:GLN:H	1:46:A:GLN:HB2	5	0.1
(1,5753)	1:47:A:GLN:H	1:46:A:GLN:HB2	20	0.1
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	1	0.1
(1,5750)	1:70:A:GLU:H	1:72:A:LYS:H	13	0.1
(1,5676)	1:186:A:LEU:H	1:183:A:ALA:HB3	15	0.1
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	1	0.1
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	7	0.1
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	15	0.1
(1,5652)	1:117:A:ALA:H	1:114:A:ASN:H	17	0.1
(1,5644)	1:160:A:GLY:H	1:164:A:LYS:HG3	19	0.1
(1,5631)	1:245:A:PHE:H	1:241:A:ASN:HA	1	0.1
(1,5618)	1:31:A:ALA:H	1:31:A:ALA:HB2	17	0.1
(1,5577)	1:17:A:ARG:H	1:17:A:ARG:HB2	13	0.1
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	8	0.1
(1,5546)	1:71:A:GLY:H	1:72:A:LYS:HD3	14	0.1
(1,5515)	1:213:A:ASP:H	1:211:A:ASP:HA	2	0.1
(1,5515)	1:213:A:ASP:H	1:211:A:ASP:HA	8	0.1
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG21	12	0.1
(1,5415)	1:195:A:LEU:H	1:194:A:ILE:HG21	16	0.1
(1,5359)	1:129:A:GLN:H	1:133:A:TRP:HD1	19	0.1
(1,5253)	1:228:A:ASN:H	1:227:A:PRO:HD3	9	0.1
(1,5246)	1:23:A:THR:H	1:22:A:GLY:HA2	20	0.1
(1,5229)	1:184:A:ASN:H	1:181:A:GLU:HA	20	0.1
(1,5151)	1:127:A:ASN:H	1:125:A:GLU:HB3	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	15	0.1
(1,5142)	1:233:A:LYS:H	1:234:A:MET:HA	18	0.1
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	4	0.1
(1,5135)	1:162:A:LYS:H	1:160:A:GLY:H	15	0.1
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	1	0.1
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	3	0.1
(1,5133)	1:177:A:SER:H	1:178:A:MET:HG2	11	0.1
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	2	0.1
(1,5064)	1:221:A:ASP:H	1:218:A:GLY:H	20	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	7	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	11	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	13	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	14	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	17	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	18	0.1
(1,5056)	1:122:A:ALA:H	1:122:A:ALA:HA	19	0.1
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	3	0.1
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	14	0.1
(1,5030)	1:163:A:GLU:H	1:163:A:GLU:HG3	17	0.1
(1,4984)	1:159:A:LEU:H	1:158:A:LEU:HD12	20	0.1
(1,4976)	1:81:A:ASN:H	1:82:A:GLN:HG2	19	0.1
(1,4933)	1:45:A:LEU:H	1:42:A:ALA:HA	4	0.1
(1,4933)	1:45:A:LEU:H	1:42:A:ALA:HA	20	0.1
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	1	0.1
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	3	0.1
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	16	0.1
(1,4914)	1:43:A:PHE:H	1:43:A:PHE:HA	20	0.1
(1,4908)	1:91:A:GLN:H	1:92:A:ARG:HB2	8	0.1
(1,4900)	1:88:A:ASN:H	1:91:A:GLN:H	12	0.1
(1,4898)	1:225:A:ARG:H	1:225:A:ARG:HG3	14	0.1
(1,4888)	1:242:A:VAL:H	1:241:A:ASN:H	11	0.1
(1,4869)	1:250:A:THR:H	1:248:A:ALA:HA	4	0.1
(1,4839)	1:204:A:VAL:H	1:204:A:VAL:HG22	16	0.1
(1,4831)	1:27:A:ASP:H	1:30:A:THR:HG23	7	0.1
(1,4802)	1:24:A:HIS:H	1:23:A:THR:HA	2	0.1
(1,4802)	1:24:A:HIS:H	1:23:A:THR:HA	7	0.1
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	4	0.1
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	5	0.1
(1,4786)	1:147:A:ASP:H	1:146:A:ILE:HA	6	0.1
(1,4783)	1:17:A:ARG:H	1:16:A:PRO:HA	19	0.1
(1,4755)	1:14:A:LEU:H	1:13:A:GLY:HA3	5	0.1
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	3	0.1
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	6	0.1
(1,4715)	1:186:A:LEU:H	1:183:A:ALA:H	17	0.1
(1,4673)	1:190:A:ALA:H	1:189:A:ASN:HA	4	0.1
(1,4662)	1:31:A:ALA:H	1:31:A:ALA:HA	6	0.1
(1,4654)	1:42:A:ALA:H	1:42:A:ALA:HB1	4	0.1
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	8	0.1
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	11	0.1
(1,4649)	1:42:A:ALA:H	1:40:A:ASP:HA	20	0.1
(1,4620)	1:248:A:ALA:H	1:248:A:ALA:HB2	17	0.1
(1,4577)	1:222:A:TRP:HE1	1:200:A:ASP:HB3	7	0.1
(1,4532)	1:180:A:GLN:HA	1:206:A:PHE:HD2	2	0.1
(1,4503)	1:197:A:GLY:H	1:226:A:TYR:HE2	9	0.1
(1,4503)	1:197:A:GLY:H	1:226:A:TYR:HE2	17	0.1
(1,4489)	1:172:A:TRP:HD1	1:238:A:GLN:HG3	10	0.1
(1,4486)	1:37:A:ALA:HB1	1:32:A:TYR:HD1	13	0.1
(1,4434)	1:37:A:ALA:HB2	1:32:A:TYR:HE1	1	0.1
(1,4434)	1:37:A:ALA:HB3	1:32:A:TYR:HE1	13	0.1
(1,4425)	1:238:A:GLN:HB3	1:172:A:TRP:HD1	7	0.1
(1,4414)	1:245:A:PHE:H	1:245:A:PHE:HD1	17	0.1
(1,4308)	1:83:A:LEU:HD13	1:60:A:GLN:HE21	18	0.1
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	7	0.1
(1,4295)	1:46:A:GLN:HB3	1:47:A:GLN:HE21	14	0.1
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	10	0.1
(1,4278)	1:193:A:ASN:HA	1:193:A:ASN:HD21	15	0.1
(1,4271)	1:107:A:LYS:HE2	1:109:A:PHE:HE2	1	0.1
(1,4256)	1:234:A:MET:HG3	1:168:A:ILE:HD13	11	0.1
(1,4233)	1:178:A:MET:HB3	1:202:A:GLN:HE22	18	0.1
(1,4205)	1:50:A:GLN:HB2	1:50:A:GLN:HG3	14	0.1
(1,4192)	1:150:A:ARG:H	1:150:A:ARG:HD3	3	0.1
(1,4182)	1:59:A:TRP:HA	1:62:A:LEU:HD22	14	0.1
(1,4177)	1:164:A:LYS:HE3	1:160:A:GLY:HA3	16	0.1
(1,4076)	1:202:A:GLN:HG3	1:202:A:GLN:H	13	0.1
(1,4033)	1:186:A:LEU:H	1:183:A:ALA:HA	2	0.1
(1,4033)	1:186:A:LEU:H	1:183:A:ALA:HA	6	0.1
(1,4013)	1:118:A:LYS:HE3	1:114:A:ASN:HD21	3	0.1
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	1	0.1
(1,3948)	1:95:A:LYS:HE3	1:99:A:ALA:H	10	0.1
(1,3921)	1:121:A:PRO:HB2	1:126:A:GLN:HE21	11	0.1
(1,3897)	1:168:A:ILE:HG23	1:236:A:PRO:HB3	6	0.1
(1,3897)	1:168:A:ILE:HG22	1:236:A:PRO:HB3	17	0.1
(1,3895)	1:64:A:ILE:HG21	1:98:A:LEU:HA	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	4	0.1
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	7	0.1
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	13	0.1
(1,3882)	1:17:A:ARG:HB3	1:17:A:ARG:HB2	18	0.1
(1,3858)	1:245:A:PHE:HB3	1:245:A:PHE:HB2	15	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG21	2	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG22	6	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG23	8	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG22	12	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG22	16	0.1
(1,3846)	1:185:A:THR:HB	1:185:A:THR:HG23	17	0.1
(1,3790)	1:209:A:ARG:HD2	1:209:A:ARG:HA	18	0.1
(1,3766)	1:241:A:ASN:HB3	1:244:A:ALA:HB2	14	0.1
(1,3761)	1:159:A:LEU:HD11	1:163:A:GLU:H	8	0.1
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD12	4	0.1
(1,3742)	1:235:A:LEU:HB2	1:239:A:LEU:HD12	7	0.1
(1,3737)	1:77:A:VAL:HG21	1:102:A:ILE:HD11	13	0.1
(1,3719)	1:33:A:MET:HE3	1:33:A:MET:HG3	14	0.1
(1,3715)	1:146:A:ILE:HG23	1:186:A:LEU:HD23	15	0.1
(1,3681)	1:116:A:LEU:H	1:100:A:VAL:HG12	6	0.1
(1,3678)	1:123:A:ASP:H	1:120:A:THR:HG22	8	0.1
(1,3674)	1:96:A:THR:HG22	1:116:A:LEU:H	9	0.1
(1,3664)	1:115:A:LEU:HD22	1:115:A:LEU:HG	7	0.1
(1,3664)	1:115:A:LEU:HD21	1:115:A:LEU:HG	8	0.1
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	11	0.1
(1,3664)	1:115:A:LEU:HD23	1:115:A:LEU:HG	14	0.1
(1,3664)	1:115:A:LEU:HD21	1:115:A:LEU:HG	16	0.1
(1,3647)	1:62:A:LEU:HD11	1:66:A:ALA:H	9	0.1
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD11	6	0.1
(1,3599)	1:152:A:LEU:HD22	1:152:A:LEU:HD12	11	0.1
(1,3599)	1:152:A:LEU:HD21	1:152:A:LEU:HD13	20	0.1
(1,3593)	1:235:A:LEU:HB2	1:235:A:LEU:HD11	2	0.1
(1,3593)	1:235:A:LEU:HB2	1:235:A:LEU:HD12	15	0.1
(1,3588)	1:104:A:LEU:HD12	1:102:A:ILE:H	15	0.1
(1,3543)	1:62:A:LEU:HG	1:62:A:LEU:H	11	0.1
(1,3536)	1:79:A:LEU:HG	1:64:A:ILE:H	2	0.1
(1,3504)	1:216:A:LYS:HD3	1:216:A:LYS:HB2	6	0.1
(1,3496)	1:59:A:TRP:HB2	1:63:A:ALA:HB3	16	0.1
(1,3493)	1:72:A:LYS:HD3	1:70:A:GLU:HG3	17	0.1
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	10	0.1
(1,3483)	1:93:A:ARG:HB2	1:93:A:ARG:HG2	12	0.1
(1,3467)	1:68:A:VAL:HB	1:102:A:ILE:HG12	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3447)	1:234:A:MET:HG2	1:234:A:MET:HB3	11	0.1
(1,3434)	1:242:A:VAL:H	1:243:A:LYS:HB2	16	0.1
(1,3425)	1:182:A:GLN:HG3	1:179:A:THR:HG22	9	0.1
(1,3422)	1:34:A:GLN:HG3	1:31:A:ALA:HA	18	0.1
(1,3408)	1:86:A:GLU:HG2	1:85:A:GLN:HG3	5	0.1
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	3	0.1
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	13	0.1
(1,3403)	1:78:A:GLU:HG2	1:78:A:GLU:HB3	14	0.1
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	7	0.1
(1,3377)	1:245:A:PHE:HB2	1:210:A:ASN:H	16	0.1
(1,3338)	1:107:A:LYS:HE2	1:105:A:ALA:H	19	0.1
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	5	0.1
(1,3333)	1:92:A:ARG:HD3	1:93:A:ARG:H	15	0.1
(1,3324)	1:48:A:MET:HG2	1:56:A:ARG:HD2	17	0.1
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	2	0.1
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	4	0.1
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	5	0.1
(1,3308)	1:74:A:GLY:HA2	1:77:A:VAL:HB	9	0.1
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	10	0.1
(1,3289)	1:39:A:ALA:HA	1:40:A:ASP:HB2	12	0.1
(1,3287)	1:37:A:ALA:HA	1:38:A:GLN:HE22	9	0.1
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	2	0.1
(1,3275)	1:228:A:ASN:HB3	1:228:A:ASN:HA	13	0.1
(1,3240)	1:66:A:ALA:HA	1:69:A:LYS:HB2	1	0.1
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	10	0.1
(1,3234)	1:24:A:HIS:HA	1:23:A:THR:HB	12	0.1
(1,3194)	1:224:A:LYS:HA	1:226:A:TYR:H	13	0.1
(1,3194)	1:224:A:LYS:HA	1:226:A:TYR:H	16	0.1
(1,3194)	1:224:A:LYS:HA	1:226:A:TYR:H	19	0.1
(1,3174)	1:178:A:MET:H	1:177:A:SER:HA	18	0.1
(1,3169)	1:180:A:GLN:HA	1:179:A:THR:HA	4	0.1
(1,3159)	1:26:A:PRO:HD2	1:25:A:THR:HA	6	0.1
(1,3159)	1:26:A:PRO:HD2	1:25:A:THR:HA	7	0.1
(1,3159)	1:26:A:PRO:HD2	1:25:A:THR:HA	18	0.1
(1,3159)	1:26:A:PRO:HD2	1:25:A:THR:HA	20	0.1
(1,3141)	1:126:A:GLN:HA	1:130:A:ALA:H	10	0.1
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	11	0.1
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	13	0.1
(1,3111)	1:194:A:ILE:HA	1:193:A:ASN:H	14	0.1
(1,3102)	1:172:A:TRP:H	1:168:A:ILE:HA	3	0.1
(1,3072)	1:120:A:THR:HB	1:124:A:LEU:HG	7	0.1
(1,3072)	1:120:A:THR:HB	1:124:A:LEU:HG	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	6	0.1
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	12	0.1
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	17	0.1
(1,3071)	1:184:A:ASN:H	1:185:A:THR:HB	18	0.1
(1,3061)	1:232:A:ALA:HB2	1:223:A:GLN:HG3	3	0.1
(1,3061)	1:232:A:ALA:HB1	1:223:A:GLN:HG3	5	0.1
(1,3061)	1:232:A:ALA:HB2	1:223:A:GLN:HG3	13	0.1
(1,3061)	1:232:A:ALA:HB3	1:223:A:GLN:HG3	14	0.1
(1,3061)	1:232:A:ALA:HB2	1:223:A:GLN:HG3	15	0.1
(1,3049)	1:166:A:GLN:HA	1:169:A:ASP:HB2	6	0.1
(1,3049)	1:166:A:GLN:HA	1:169:A:ASP:HB2	15	0.1
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	4	0.1
(1,3045)	1:157:A:PRO:HA	1:157:A:PRO:HD3	18	0.1
(1,2980)	1:164:A:LYS:HB3	1:234:A:MET:HG2	15	0.1
(1,2895)	1:217:A:ALA:HB3	1:216:A:LYS:HD2	5	0.1
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	6	0.1
(1,2858)	1:56:A:ARG:HD2	1:52:A:SER:HA	13	0.1
(1,2855)	1:189:A:ASN:HB2	1:189:A:ASN:HD22	20	0.1
(1,2852)	1:192:A:GLU:HG2	1:189:A:ASN:HB2	7	0.1
(1,2849)	1:201:A:LEU:HD22	1:205:A:TRP:HA	14	0.1
(1,2845)	1:121:A:PRO:HA	1:119:A:ILE:HG22	20	0.1
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	1	0.1
(1,2827)	1:76:A:ALA:HA	1:75:A:GLN:H	12	0.1
(1,2826)	1:161:A:ALA:HA	1:164:A:LYS:HG3	12	0.1
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	16	0.1
(1,2792)	1:240:A:VAL:HA	1:243:A:LYS:HB2	17	0.1
(1,2760)	1:78:A:GLU:HA	1:77:A:VAL:HG11	1	0.1
(1,2741)	1:20:A:HIS:HA	1:20:A:HIS:HB2	11	0.1
(1,2717)	1:30:A:THR:HA	1:33:A:MET:HB3	13	0.1
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB2	4	0.1
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB3	7	0.1
(1,2658)	1:100:A:VAL:H	1:99:A:ALA:HB2	14	0.1
(1,2600)	1:164:A:LYS:HG2	1:164:A:LYS:HE3	13	0.1
(1,2575)	1:79:A:LEU:HD12	1:60:A:GLN:HE21	11	0.1
(1,2572)	1:104:A:LEU:HD13	1:101:A:GLU:HG2	18	0.1
(1,2568)	1:129:A:GLN:H	1:158:A:LEU:HD22	1	0.1
(1,2562)	1:158:A:LEU:HD21	1:158:A:LEU:HD12	13	0.1
(1,2561)	1:17:A:ARG:HG2	1:17:A:ARG:HB3	8	0.1
(1,2545)	1:48:A:MET:HG2	1:49:A:GLN:HA	7	0.1
(1,2524)	1:65:A:ARG:HD2	1:65:A:ARG:HB2	20	0.1
(1,2516)	1:157:A:PRO:HD2	1:154:A:ALA:HB2	9	0.1
(1,2508)	1:232:A:ALA:HA	1:223:A:GLN:HG3	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2489)	1:155:A:GLN:HA	1:158:A:LEU:HD11	10	0.1
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	1	0.1
(1,2488)	1:104:A:LEU:HA	1:106:A:GLN:HB2	6	0.1
(1,2386)	1:114:A:ASN:H	1:114:A:ASN:HB3	9	0.1
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD22	2	0.1
(1,2365)	1:202:A:GLN:H	1:201:A:LEU:HD21	19	0.1
(1,2353)	1:187:A:VAL:HA	1:187:A:VAL:HG13	6	0.1
(1,2337)	1:178:A:MET:HG3	1:179:A:THR:HG22	18	0.1
(1,2333)	1:214:A:MET:HG2	1:215:A:MET:HA	9	0.1
(1,2329)	1:30:A:THR:HA	1:33:A:MET:HG2	6	0.1
(1,2329)	1:30:A:THR:HA	1:33:A:MET:HG2	10	0.1
(1,2317)	1:235:A:LEU:H	1:234:A:MET:HG3	18	0.1
(1,2316)	1:239:A:LEU:H	1:240:A:VAL:HB	11	0.1
(1,2306)	1:119:A:ILE:HD12	1:119:A:ILE:HG13	3	0.1
(1,2306)	1:119:A:ILE:HD12	1:119:A:ILE:HG13	5	0.1
(1,2306)	1:119:A:ILE:HD11	1:119:A:ILE:HG13	10	0.1
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	12	0.1
(1,2306)	1:119:A:ILE:HD13	1:119:A:ILE:HG13	14	0.1
(1,2295)	1:129:A:GLN:HA	1:132:A:TYR:HB2	6	0.1
(1,2295)	1:129:A:GLN:HA	1:132:A:TYR:HB2	10	0.1
(1,2274)	1:206:A:PHE:HB2	1:180:A:GLN:HE21	5	0.1
(1,2247)	1:162:A:LYS:HB3	1:162:A:LYS:HA	15	0.1
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	5	0.1
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	9	0.1
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	12	0.1
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	15	0.1
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	19	0.1
(1,2238)	1:223:A:GLN:HA	1:222:A:TRP:HB2	20	0.1
(1,2227)	1:55:A:THR:HG22	1:48:A:MET:HA	18	0.1
(1,2199)	1:140:A:SER:H	1:140:A:SER:HB3	2	0.1
(1,2199)	1:140:A:SER:H	1:140:A:SER:HB3	3	0.1
(1,2199)	1:140:A:SER:H	1:140:A:SER:HB3	16	0.1
(1,2199)	1:140:A:SER:H	1:140:A:SER:HB3	17	0.1
(1,2199)	1:140:A:SER:H	1:140:A:SER:HB3	20	0.1
(1,2198)	1:141:A:GLN:H	1:140:A:SER:HB3	17	0.1
(1,2190)	1:215:A:MET:HE3	1:219:A:ILE:HD12	20	0.1
(1,2163)	1:97:A:LEU:H	1:119:A:ILE:HD13	11	0.1
(1,2130)	1:153:A:ILE:HG21	1:195:A:LEU:HA	18	0.1
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	2	0.1
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	4	0.1
(1,2088)	1:127:A:ASN:HB3	1:125:A:GLU:HB3	9	0.1
(1,2074)	1:79:A:LEU:H	1:79:A:LEU:HB2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2074)	1:79:A:LEU:H	1:79:A:LEU:HB2	7	0.1
(1,2074)	1:79:A:LEU:H	1:79:A:LEU:HB2	19	0.1
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	2	0.1
(1,2037)	1:126:A:GLN:H	1:125:A:GLU:HB3	16	0.1
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	16	0.1
(1,2024)	1:244:A:ALA:H	1:243:A:LYS:HB3	18	0.1
(1,1792)	1:102:A:ILE:HD11	1:102:A:ILE:HG22	18	0.1
(1,1743)	1:178:A:MET:HE1	1:178:A:MET:HG3	9	0.1
(1,1727)	1:174:A:ALA:HB2	1:171:A:THR:HA	18	0.1
(1,1716)	1:146:A:ILE:HG22	1:147:A:ASP:HA	13	0.1
(1,1701)	1:136:A:LYS:HA	1:139:A:ALA:HB3	15	0.1
(1,1661)	1:66:A:ALA:HB1	1:70:A:GLU:HG2	7	0.1
(1,1661)	1:66:A:ALA:HB2	1:70:A:GLU:HG2	12	0.1
(1,1659)	1:66:A:ALA:HB2	1:63:A:ALA:HA	20	0.1
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	2	0.1
(1,1624)	1:37:A:ALA:HB3	1:31:A:ALA:HA	3	0.1
(1,1616)	1:77:A:VAL:HG13	1:77:A:VAL:HA	2	0.1
(1,1616)	1:77:A:VAL:HG11	1:77:A:VAL:HA	4	0.1
(1,1616)	1:77:A:VAL:HG13	1:77:A:VAL:HA	8	0.1
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	9	0.1
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	16	0.1
(1,1616)	1:77:A:VAL:HG12	1:77:A:VAL:HA	20	0.1
(1,1574)	1:195:A:LEU:HD12	1:198:A:TRP:HD1	15	0.1
(1,1572)	1:100:A:VAL:HG21	1:116:A:LEU:HA	9	0.1
(1,1511)	1:224:A:LYS:HG3	1:224:A:LYS:HB2	11	0.1
(1,1510)	1:224:A:LYS:HG3	1:224:A:LYS:HE2	20	0.1
(1,1491)	1:188:A:ILE:HG12	1:146:A:ILE:HD11	13	0.1
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	3	0.1
(1,1439)	1:26:A:PRO:HG3	1:26:A:PRO:HB2	19	0.1
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	3	0.1
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	7	0.1
(1,1396)	1:194:A:ILE:HG12	1:193:A:ASN:H	10	0.1
(1,1395)	1:75:A:GLN:HB2	1:67:A:LEU:HD12	11	0.1
(1,1394)	1:74:A:GLY:H	1:75:A:GLN:HB2	14	0.1
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	4	0.1
(1,1391)	1:69:A:LYS:HD2	1:69:A:LYS:HB3	13	0.1
(1,1387)	1:136:A:LYS:HD3	1:136:A:LYS:HA	5	0.1
(1,1387)	1:136:A:LYS:HD3	1:136:A:LYS:HA	6	0.1
(1,1387)	1:136:A:LYS:HD3	1:136:A:LYS:HA	7	0.1
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	4	0.1
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	5	0.1
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1322)	1:158:A:LEU:H	1:157:A:PRO:HB3	19	0.1
(1,1306)	1:69:A:LYS:HB2	1:69:A:LYS:H	12	0.1
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	3	0.1
(1,1289)	1:33:A:MET:HG3	1:33:A:MET:HA	19	0.1
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	2	0.1
(1,1275)	1:178:A:MET:HG2	1:183:A:ALA:HA	17	0.1
(1,1271)	1:214:A:MET:HG2	1:213:A:ASP:H	2	0.1
(1,1269)	1:214:A:MET:HG3	1:211:A:ASP:HA	5	0.1
(1,1257)	1:46:A:GLN:HG2	1:45:A:LEU:H	3	0.1
(1,1254)	1:50:A:GLN:HG2	1:47:A:GLN:HA	18	0.1
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	5	0.1
(1,1231)	1:106:A:GLN:HG3	1:106:A:GLN:HA	11	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	1	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	4	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	7	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	11	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	12	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	16	0.1
(1,1225)	1:141:A:GLN:HG3	1:141:A:GLN:HB3	20	0.1
(1,1207)	1:178:A:MET:HB2	1:183:A:ALA:H	5	0.1
(1,1195)	1:78:A:GLU:HG2	1:77:A:VAL:H	5	0.1
(1,1195)	1:78:A:GLU:HG2	1:77:A:VAL:H	15	0.1
(1,1194)	1:181:A:GLU:HG2	1:180:A:GLN:HA	10	0.1
(1,1178)	1:163:A:GLU:HG2	1:166:A:GLN:HE21	13	0.1
(1,1173)	1:163:A:GLU:HG3	1:159:A:LEU:HD12	3	0.1
(1,1146)	1:241:A:ASN:HB3	1:209:A:ARG:HG2	4	0.1
(1,1135)	1:114:A:ASN:HB3	1:114:A:ASN:HD22	15	0.1
(1,1116)	1:192:A:GLU:H	1:191:A:ASP:HB3	19	0.1
(1,1095)	1:213:A:ASP:HB3	1:213:A:ASP:HA	1	0.1
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD11	5	0.1
(1,1016)	1:159:A:LEU:HB3	1:159:A:LEU:HD13	10	0.1
(1,1015)	1:93:A:ARG:HD2	1:123:A:ASP:HB2	20	0.1
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	2	0.1
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	5	0.1
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	10	0.1
(1,993)	1:35:A:GLY:HA3	1:37:A:ALA:H	14	0.1
(1,988)	1:87:A:LEU:HB3	1:92:A:ARG:HD2	8	0.1
(1,987)	1:87:A:LEU:HB3	1:84:A:PRO:HB2	13	0.1
(1,952)	1:211:A:ASP:H	1:212:A:PRO:HD2	3	0.1
(1,942)	1:16:A:PRO:HD3	1:15:A:VAL:HG13	17	0.1
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	5	0.1
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,938)	1:27:A:ASP:H	1:26:A:PRO:HD3	19	0.1
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	5	0.1
(1,838)	1:246:A:LYS:H	1:245:A:PHE:HA	14	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	1	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	2	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	3	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	4	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	5	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	6	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	9	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	11	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	12	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	13	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	14	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	16	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	17	0.1
(1,824)	1:215:A:MET:HA	1:215:A:MET:HB3	20	0.1
(1,819)	1:182:A:GLN:HA	1:183:A:ALA:H	16	0.1
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	4	0.1
(1,816)	1:89:A:ASP:HA	1:88:A:ASN:HA	13	0.1
(1,803)	1:75:A:GLN:HA	1:78:A:GLU:H	2	0.1
(1,801)	1:173:A:GLN:HA	1:170:A:ALA:HA	13	0.1
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	3	0.1
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	11	0.1
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	12	0.1
(1,791)	1:223:A:GLN:HA	1:232:A:ALA:H	20	0.1
(1,780)	1:181:A:GLU:HA	1:180:A:GLN:HA	3	0.1
(1,779)	1:69:A:LYS:HA	1:69:A:LYS:HB3	18	0.1
(1,762)	1:101:A:GLU:HA	1:104:A:LEU:HB2	14	0.1
(1,757)	1:140:A:SER:HA	1:113:A:GLN:HE21	11	0.1
(1,751)	1:119:A:ILE:HA	1:96:A:THR:HG21	6	0.1
(1,733)	1:109:A:PHE:HA	1:113:A:GLN:H	15	0.1
(1,733)	1:109:A:PHE:HA	1:113:A:GLN:H	16	0.1
(1,724)	1:226:A:TYR:H	1:222:A:TRP:HA	6	0.1
(1,705)	1:240:A:VAL:HA	1:219:A:ILE:HD11	17	0.1
(1,689)	1:52:A:SER:HB2	1:53:A:ASP:HB3	13	0.1
(1,686)	1:137:A:ILE:HA	1:136:A:LYS:HB3	6	0.1
(1,676)	1:204:A:VAL:HA	1:207:A:ASP:HB2	7	0.1
(1,669)	1:96:A:THR:HA	1:95:A:LYS:H	10	0.1
(1,656)	1:237:A:THR:HB	1:240:A:VAL:HB	5	0.1
(1,656)	1:237:A:THR:HB	1:240:A:VAL:HB	7	0.1
(1,640)	1:95:A:LYS:H	1:87:A:LEU:HD22	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	1	0.1
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD3	7	0.1
(1,639)	1:233:A:LYS:H	1:233:A:LYS:HD2	8	0.1
(1,638)	1:29:A:SER:H	1:27:A:ASP:HB3	17	0.1
(1,634)	1:145:A:SER:H	1:178:A:MET:HB2	2	0.1
(1,612)	1:41:A:SER:H	1:67:A:LEU:HA	11	0.1
(1,599)	1:175:A:LEU:H	1:171:A:THR:HA	9	0.1
(1,510)	1:115:A:LEU:HD23	1:115:A:LEU:HG	15	0.1
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	1	0.1
(1,484)	1:173:A:GLN:HB2	1:173:A:GLN:HG3	8	0.1
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	15	0.1
(1,476)	1:71:A:GLY:HA2	1:70:A:GLU:HB2	18	0.1
(1,461)	1:212:A:PRO:HA	1:242:A:VAL:HA	4	0.1
(1,439)	1:86:A:GLU:HB3	1:86:A:GLU:HG2	2	0.1
(1,439)	1:86:A:GLU:HB3	1:86:A:GLU:HG2	17	0.1
(1,439)	1:86:A:GLU:HB3	1:86:A:GLU:HG2	19	0.1
(1,386)	1:95:A:LYS:HD3	1:92:A:ARG:HA	12	0.1
(1,377)	1:146:A:ILE:HB	1:146:A:ILE:HD12	10	0.1
(1,337)	1:28:A:GLN:HB3	1:31:A:ALA:HB3	19	0.1
(1,333)	1:116:A:LEU:HD21	1:100:A:VAL:HB	5	0.1
(1,326)	1:136:A:LYS:H	1:136:A:LYS:HG2	18	0.1
(1,299)	1:162:A:LYS:HB3	1:162:A:LYS:HG2	20	0.1
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	1	0.1
(1,297)	1:162:A:LYS:HB2	1:162:A:LYS:HA	11	0.1
(1,264)	1:233:A:LYS:HE2	1:234:A:MET:H	5	0.1
(1,257)	1:160:A:GLY:HA3	1:162:A:LYS:HB3	12	0.1
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	6	0.1
(1,229)	1:180:A:GLN:HA	1:181:A:GLU:H	8	0.1
(1,219)	1:212:A:PRO:HA	1:215:A:MET:HG2	16	0.1

10 Dihedral-angle violation analysis

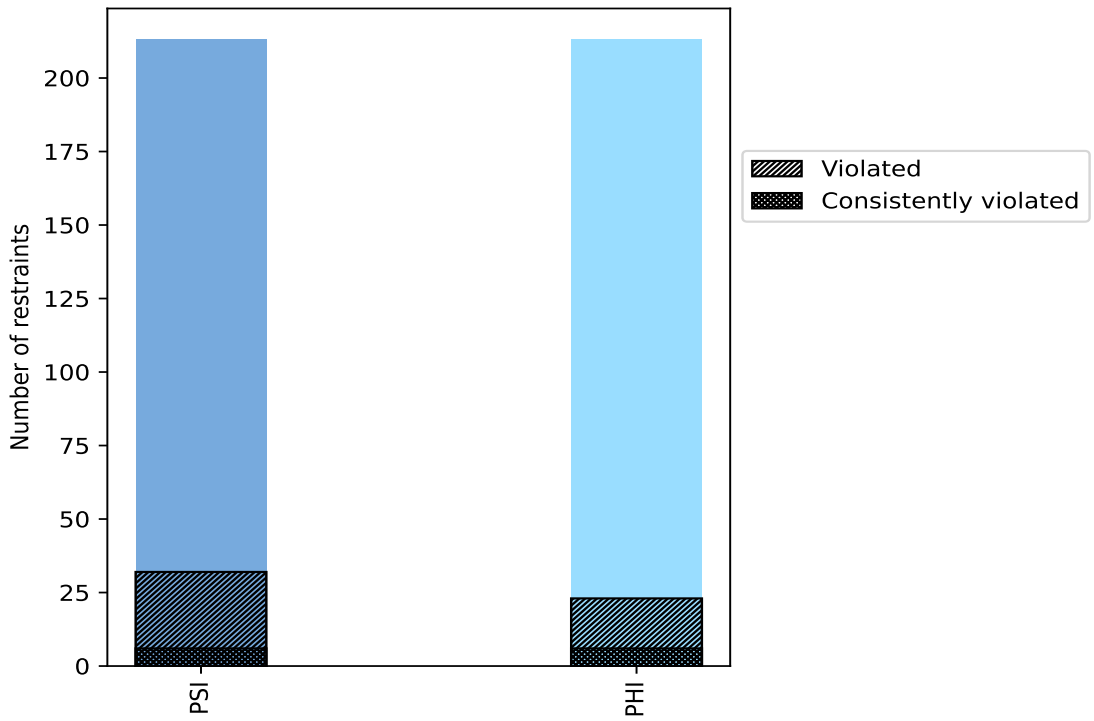
10.1 Summary of dihedral-angle violations

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	213	50.0	32	15.0	7.5	6	2.8	1.4
PHI	213	50.0	23	10.8	5.4	6	2.8	1.4
Total	426	100.0	55	12.9	12.9	12	2.8	2.8

[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



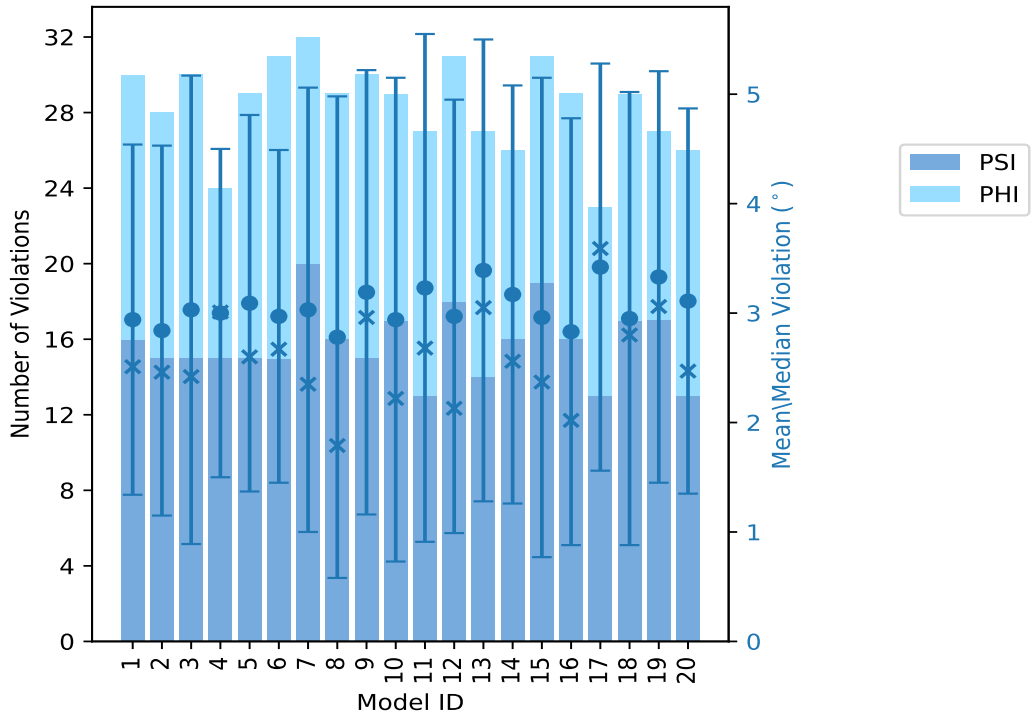
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	16	14	30	2.94	7.12	1.6	2.51
2	15	13	28	2.84	7.34	1.69	2.46
3	15	15	30	3.03	11.65	2.14	2.42
4	15	9	24	3.0	6.96	1.5	3.01
5	15	14	29	3.09	8.12	1.72	2.6
6	15	16	31	2.97	6.84	1.52	2.67
7	20	12	32	3.03	10.94	2.03	2.35
8	16	13	29	2.78	11.15	2.2	1.79
9	15	15	30	3.19	10.94	2.03	2.96
10	17	12	29	2.94	11.7	2.21	2.22
11	13	14	27	3.23	11.73	2.32	2.68
12	18	13	31	2.97	10.21	1.98	2.13
13	14	13	27	3.39	10.82	2.11	3.05
14	16	10	26	3.17	9.91	1.91	2.56
15	19	12	31	2.96	12.13	2.19	2.37
16	16	13	29	2.83	9.75	1.95	2.02
17	13	10	23	3.42	7.64	1.86	3.59
18	17	12	29	2.95	11.59	2.07	2.8
19	17	10	27	3.33	9.03	1.88	3.06
20	13	13	26	3.11	8.34	1.76	2.47

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]	%
6	6	12	1	5.0
2	1	3	2	10.0
2	1	3	3	15.0
3	0	3	4	20.0
0	1	1	5	25.0
2	0	2	6	30.0
0	0	0	7	35.0
1	0	1	8	40.0
0	1	1	9	45.0
4	0	4	10	50.0
0	0	0	11	55.0

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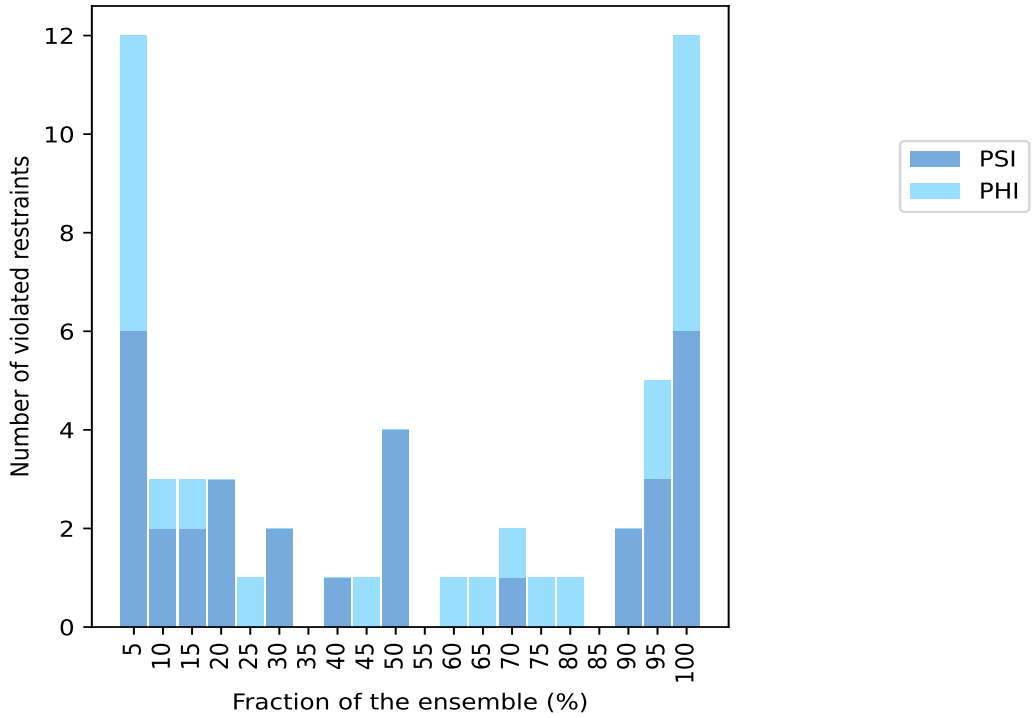
Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
0	1	1	12	60.0
0	1	1	13	65.0
1	1	2	14	70.0
0	1	1	15	75.0
0	1	1	16	80.0
0	0	0	17	85.0
2	0	2	18	90.0
3	2	5	19	95.0
6	6	12	20	100.0

[1] Number of models with violations

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

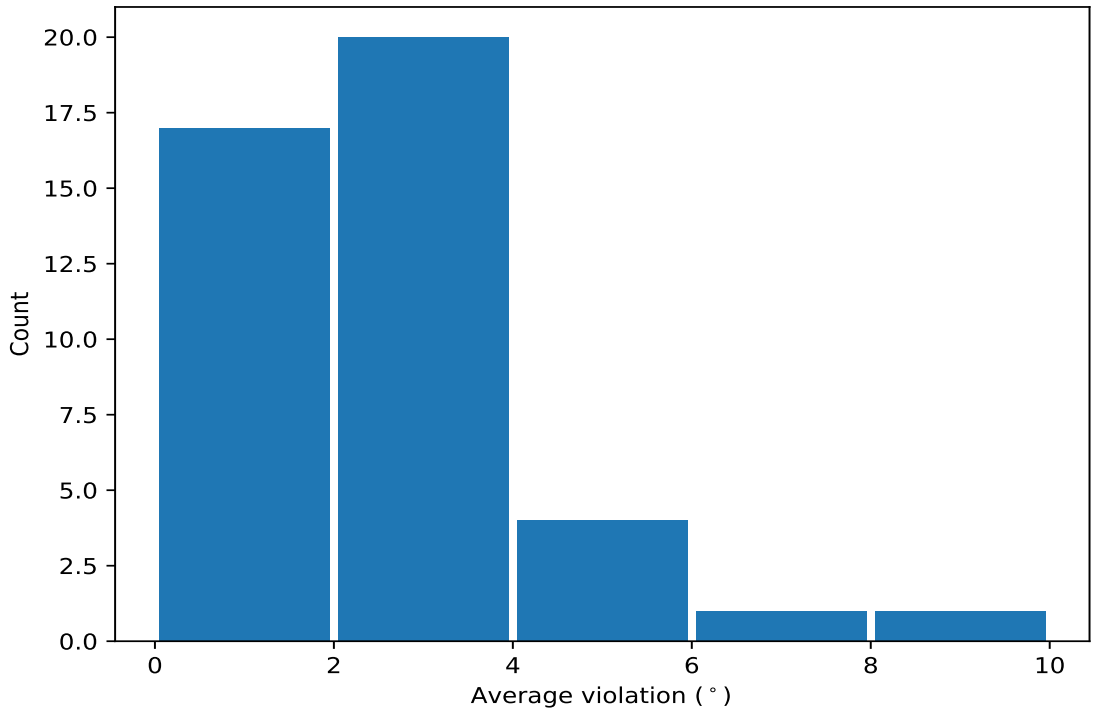


10.4 Most violated dihedral-angle restraints in the ensemble

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
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	20	9.41	2.14	10.06
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	20	7.38	0.67	7.38
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	20	4.6	0.56	4.6
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	20	4.44	0.5	4.44
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	20	4.38	0.55	4.33
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	20	4.26	0.6	4.22
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	20	3.87	0.51	3.79
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	20	3.73	0.42	3.62
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	20	3.3	0.73	3.32
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	20	2.84	0.82	2.82
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	20	2.28	0.54	2.38
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	20	1.66	0.38	1.61
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	19	3.06	1.0	2.85
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	19	2.8	0.94	2.74
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	19	2.41	0.91	2.34
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	19	1.88	0.54	1.67
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	19	1.56	0.2	1.56
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	18	2.59	0.61	2.6
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	18	1.4	0.31	1.32
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	16	2.33	0.81	2.64

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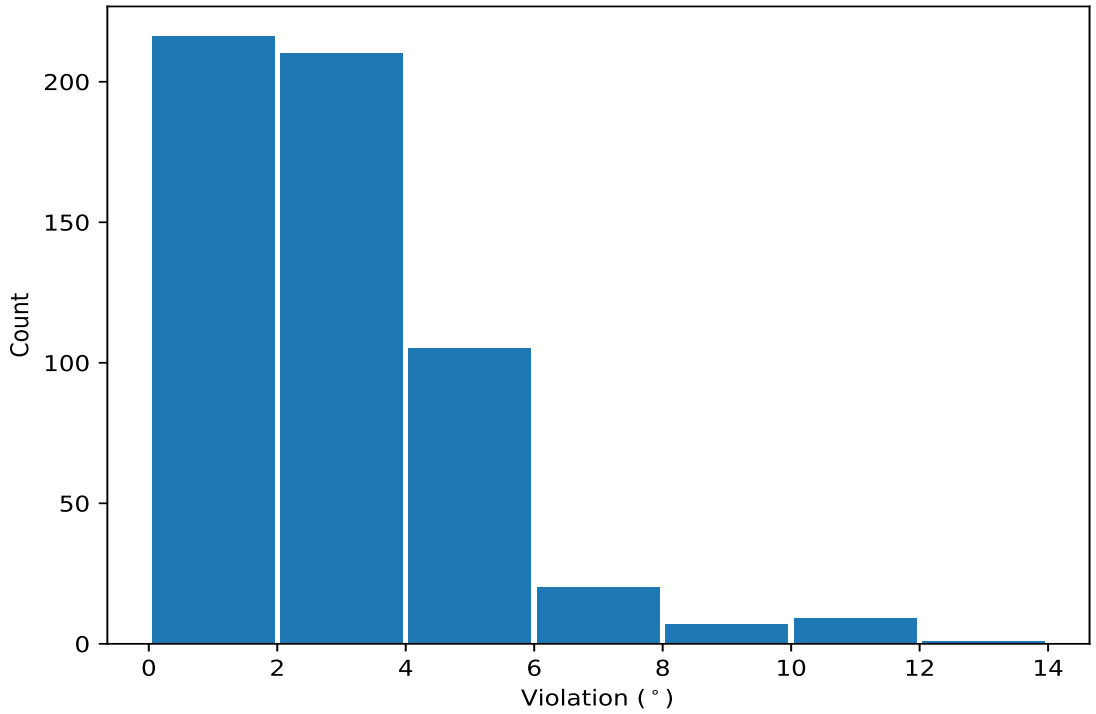
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	15	2.15	0.54	2.15
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	14	2.95	1.43	3.12
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	14	1.63	0.36	1.74
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	13	3.06	1.14	2.79
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	12	2.12	0.63	2.17
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	10	2.09	1.3	1.74
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	10	1.46	0.41	1.36
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	10	1.39	0.23	1.4
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	10	1.26	0.16	1.26
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	9	1.55	0.77	1.12
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	8	2.68	1.14	2.09
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	6	1.74	0.4	1.76
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	6	1.33	0.18	1.31
(1,351)	1:207:A:ASP:C	1:208:A:ASN:N	1:208:A:ASN:CA	1:208:A:ASN:C	5	1.45	0.35	1.37
(1,2)	1:12:A:SER:N	1:12:A:SER:CA	1:12:A:SER:C	1:13:A:GLY:N	4	2.64	0.99	2.59
(1,10)	1:19:A:SER:N	1:19:A:SER:CA	1:19:A:SER:C	1:20:A:HIS:N	4	2.56	1.26	2.34
(1,4)	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	1:15:A:VAL:N	4	1.54	0.22	1.56
(1,100)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLY:N	3	2.87	1.31	2.09
(1,23)	1:29:A:SER:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	3	1.74	0.29	1.86
(1,400)	1:232:A:ALA:N	1:232:A:ALA:CA	1:232:A:ALA:C	1:233:A:LYS:N	3	1.2	0.12	1.26
(1,8)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:ARG:N	2	3.13	0.95	3.13
(1,312)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:VAL:N	2	1.24	0.01	1.24
(1,391)	1:227:A:PRO:C	1:228:A:ASN:N	1:228:A:ASN:CA	1:228:A:ASN:C	2	1.11	0.07	1.11

[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 (°)
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	15	12.13
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	11	11.73
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	10	11.7
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	3	11.65
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	18	11.59
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	8	11.15
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	7	10.94
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	9	10.94
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	13	10.82
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	12	10.21
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	14	9.91
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	16	9.75
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	19	9.03
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	20	8.34
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	11	8.23
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	5	8.12
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	3	8.05
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	16	7.81
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	17	7.64
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	20	7.56
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	8	7.54

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	14	7.53
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	15	7.5
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	7	7.44
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	2	7.34
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	12	7.32
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	2	7.27
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	1	7.12
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	9	7.09
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	10	7.06
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	19	7.05
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	13	7.04
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	4	6.96
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	17	6.85
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	6	6.84
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	6	6.57
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	1	6.51
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	4	5.87
(1,321)	1:192:A:GLU:C	1:193:A:ASN:N	1:193:A:ASN:CA	1:193:A:ASN:C	5	5.81
(1,104)	1:72:A:LYS:N	1:72:A:LYS:CA	1:72:A:LYS:C	1:73:A:THR:N	18	5.78
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	5	5.75
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	13	5.64
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	12	5.62
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	5	5.6
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	7	5.58
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	19	5.41
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	8	5.41
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	5	5.4
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	1	5.38
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	11	5.36
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	17	5.3
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	17	5.28
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	19	5.24
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	17	5.21
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	9	5.21
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	10	5.19
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	6	5.16
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	6	5.14
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	13	5.03
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	11	5.02
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	1	5.0
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	15	5.0
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	9	4.97
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	13	4.94
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	10	4.91
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	14	4.81
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	7	4.78
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	17	4.77
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	18	4.76
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	9	4.75
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	10	4.74
(1,100)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLY:N	19	4.72

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	2	4.71
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	19	4.7
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	4	4.64
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	19	4.61
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	20	4.61
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	16	4.59
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	12	4.59
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	15	4.59
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	1	4.58
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	3	4.58
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	17	4.57
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	3	4.52
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	14	4.52
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	13	4.5
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	6	4.47
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	18	4.47
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	5	4.46
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	9	4.46
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	15	4.46
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	20	4.45
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	2	4.44
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	12	4.43
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	9	4.43
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	16	4.42
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	11	4.42
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	7	4.42
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	11	4.42
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	12	4.42
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	6	4.39
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	19	4.37
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	13	4.36
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	2	4.36
(1,10)	1:19:A:SER:N	1:19:A:SER:CA	1:19:A:SER:C	1:20:A:HIS:N	13	4.36
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	3	4.35
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	4	4.33
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	8	4.32
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	20	4.31
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	8	4.31
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	16	4.29
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	20	4.29
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	6	4.29
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	2	4.26
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	1	4.25
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	15	4.25
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	3	4.25
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	16	4.24
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	12	4.24
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	19	4.22
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	10	4.21
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	16	4.21
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	4	4.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	2	4.16
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	18	4.16
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	17	4.16
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	11	4.14
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	20	4.13
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	17	4.12
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	5	4.12
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	6	4.11
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	1	4.09
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	20	4.08
(1,8)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:ARG:N	17	4.08
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	9	4.07
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	17	4.06
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	7	4.03
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	14	4.03
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	5	4.02
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	14	4.02
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	11	4.01
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1	4.01
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1	3.98
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	18	3.97
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	7	3.97
(1,2)	1:12:A:SER:N	1:12:A:SER:CA	1:12:A:SER:C	1:13:A:GLY:N	4	3.97
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	19	3.95
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	18	3.94
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	15	3.94
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	8	3.91
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	12	3.91
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	7	3.9
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	7	3.89
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	12	3.86
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	13	3.85
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	3	3.84
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	8	3.83
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	13	3.83
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	8	3.82
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	10	3.75
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	8	3.75
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	2	3.74
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	18	3.74
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	5	3.71
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	2	3.7
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	7	3.69
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	12	3.67
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	16	3.65
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	5	3.64
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	19	3.63
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	10	3.63
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	14	3.62
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	14	3.62
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	19	3.61

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	6	3.6
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	3	3.59
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	4	3.59
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	17	3.59
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	4	3.59
(1,233)	1:141:A:GLN:C	1:142:A:GLY:N	1:142:A:GLY:CA	1:142:A:GLY:C	11	3.57
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	9	3.56
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	1	3.56
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	13	3.55
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	20	3.55
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	9	3.55
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	7	3.54
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	18	3.54
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	12	3.53
(1,408)	1:236:A:PRO:N	1:236:A:PRO:CA	1:236:A:PRO:C	1:237:A:THR:N	9	3.53
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	4	3.52
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	20	3.52
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	18	3.5
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	14	3.49
(1,132)	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	1:88:A:ASN:N	4	3.47
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	5	3.46
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	14	3.45
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	11	3.4
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	4	3.4
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	6	3.38
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	1	3.36
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	3	3.35
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	13	3.32
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	6	3.31
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	15	3.31
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	7	3.29
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	7	3.29
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	6	3.28
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	19	3.28
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	9	3.27
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	13	3.25
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	10	3.24
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	1	3.23
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	4	3.22
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	1	3.2
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	2	3.17
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	7	3.17
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	20	3.17
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	9	3.16
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	15	3.16
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	14	3.16
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	14	3.14
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	6	3.13
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	10	3.13
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	3	3.13
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	10	3.12

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,2)	1:12:A:SER:N	1:12:A:SER:CA	1:12:A:SER:C	1:13:A:GLY:N	9	3.12
(1,105)	1:72:A:LYS:C	1:73:A:THR:N	1:73:A:THR:CA	1:73:A:THR:C	18	3.1
(1,17)	1:26:A:PRO:C	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	15	3.1
(1,10)	1:19:A:SER:N	1:19:A:SER:CA	1:19:A:SER:C	1:20:A:HIS:N	9	3.1
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	11	3.09
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	15	3.07
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	12	3.06
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	19	3.06
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	13	3.05
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	13	3.05
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	15	3.03
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	8	3.01
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	16	3.0
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	15	2.99
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	5	2.99
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	2	2.98
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	18	2.98
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	6	2.97
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	5	2.97
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	3	2.95
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	13	2.94
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	18	2.88
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	7	2.87
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	13	2.87
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	18	2.86
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	3	2.85
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	1	2.84
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	20	2.83
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	9	2.82
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	11	2.81
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	4	2.8
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	18	2.8
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	3	2.8
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	2	2.79
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	12	2.79
(1,247)	1:150:A:ARG:C	1:151:A:ALA:N	1:151:A:ALA:CA	1:151:A:ALA:C	18	2.75
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	10	2.74
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	11	2.74
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	3	2.74
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	6	2.73
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	5	2.72
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	12	2.7
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	15	2.69
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	11	2.68
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	13	2.68
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	1	2.68
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	11	2.67
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	6	2.67
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	12	2.64
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	17	2.62
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	2	2.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	14	2.6
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	5	2.6
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	2	2.59
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	16	2.58
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	15	2.58
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	6	2.57
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	5	2.54
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	9	2.54
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	14	2.53
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	20	2.53
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	11	2.52
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	17	2.51
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	4	2.5
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	3	2.49
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	7	2.49
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	16	2.49
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	14	2.48
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	16	2.44
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	5	2.43
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	20	2.41
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	14	2.4
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	9	2.37
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	18	2.37
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	15	2.37
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	6	2.36
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	3	2.36
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	2	2.34
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	1	2.34
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	15	2.34
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	10	2.33
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	5	2.31
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	10	2.3
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	4	2.3
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	9	2.29
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	3	2.29
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	2	2.28
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	9	2.27
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	8	2.26
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	11	2.26
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	19	2.25
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	5	2.24
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	10	2.22
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	20	2.21
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	7	2.2
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	19	2.2
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	16	2.18
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	16	2.18
(1,8)	1:16:A:PRO:N	1:16:A:PRO:CA	1:16:A:PRO:C	1:17:A:ARG:N	15	2.18
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	10	2.17
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	14	2.17
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	8	2.17

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	10	2.17
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	15	2.16
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	17	2.15
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	3	2.15
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	7	2.14
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	12	2.13
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	19	2.13
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	10	2.12
(1,351)	1:207:A:ASP:C	1:208:A:ASN:N	1:208:A:ASN:CA	1:208:A:ASN:C	12	2.12
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	14	2.11
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	6	2.11
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	8	2.11
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	5	2.09
(1,100)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLY:N	6	2.09
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	15	2.08
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	3	2.07
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	19	2.06
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	4	2.06
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	20	2.06
(1,2)	1:12:A:SER:N	1:12:A:SER:CA	1:12:A:SER:C	1:13:A:GLY:N	1	2.06
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	9	2.04
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	19	2.04
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	19	2.02
(1,23)	1:29:A:SER:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	16	2.02
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	16	2.0
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	20	1.98
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	17	1.97
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	20	1.96
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	5	1.96
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	5	1.94
(1,66)	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	1:54:A:ASP:N	20	1.92
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	2	1.91
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	19	1.91
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	5	1.9
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	4	1.9
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	17	1.9
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	7	1.9
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	16	1.89
(1,131)	1:86:A:GLU:C	1:87:A:LEU:N	1:87:A:LEU:CA	1:87:A:LEU:C	6	1.88
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	18	1.87
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	12	1.87
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	7	1.86
(1,23)	1:29:A:SER:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	8	1.86
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	14	1.85
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	15	1.85
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	4	1.84
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1	1.83
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	1	1.83
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	16	1.82
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	11	1.82
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	14	1.82

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	11	1.81
(1,100)	1:70:A:GLU:N	1:70:A:GLU:CA	1:70:A:GLU:C	1:71:A:GLY:N	7	1.81
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	3	1.8
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	12	1.8
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	8	1.79
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	3	1.79
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	20	1.79
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	13	1.79
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	16	1.79
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	8	1.78
(1,376)	1:220:A:ALA:N	1:220:A:ALA:CA	1:220:A:ALA:C	1:221:A:ASP:N	1	1.78
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	12	1.78
(1,4)	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	1:15:A:VAL:N	7	1.78
(1,364)	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	1:215:A:MET:N	19	1.77
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	20	1.77
(1,200)	1:122:A:ALA:N	1:122:A:ALA:CA	1:122:A:ALA:C	1:123:A:ASP:N	16	1.77
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	3	1.77
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	16	1.77
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	2	1.76
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	3	1.74
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	18	1.74
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	6	1.73
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	16	1.72
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	14	1.71
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	1	1.71
(1,4)	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	1:15:A:VAL:N	15	1.71
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	19	1.7
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	1	1.7
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	17	1.7
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	1	1.68
(1,19)	1:27:A:ASP:C	1:28:A:GLN:N	1:28:A:GLN:CA	1:28:A:GLN:C	6	1.68
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	2	1.67
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	7	1.67
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	14	1.65
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	13	1.65
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	1	1.64
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	7	1.64
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	1	1.64
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	9	1.64
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	20	1.63
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	12	1.63
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	7	1.62
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	14	1.62
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	6	1.61
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	10	1.6
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	13	1.6
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	3	1.6
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	18	1.6
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	11	1.59
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	2	1.58
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	4	1.58

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	14	1.57
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	11	1.57
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	8	1.57
(1,10)	1:19:A:SER:N	1:19:A:SER:CA	1:19:A:SER:C	1:20:A:HIS:N	18	1.57
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	3	1.56
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	6	1.56
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	12	1.56
(1,256)	1:155:A:GLN:N	1:155:A:GLN:CA	1:155:A:GLN:C	1:156:A:GLU:N	12	1.56
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	8	1.56
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	4	1.56
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	8	1.56
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	10	1.56
(1,272)	1:165:A:GLN:N	1:165:A:GLN:CA	1:165:A:GLN:C	1:166:A:GLN:N	3	1.55
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	16	1.55
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	1	1.55
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	15	1.54
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	17	1.53
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	6	1.53
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	9	1.52
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	6	1.52
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	18	1.51
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	6	1.5
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	12	1.5
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	12	1.5
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	12	1.49
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	11	1.48
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	20	1.48
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	17	1.48
(1,14)	1:24:A:HIS:N	1:24:A:HIS:CA	1:24:A:HIS:C	1:25:A:THR:N	12	1.48
(1,12)	1:20:A:HIS:N	1:20:A:HIS:CA	1:20:A:HIS:C	1:21:A:MET:N	16	1.48
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	7	1.47
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	20	1.47
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	13	1.46
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	15	1.45
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	10	1.45
(1,193)	1:118:A:LYS:C	1:119:A:ILE:N	1:119:A:ILE:CA	1:119:A:ILE:C	16	1.44
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	15	1.43
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	20	1.42
(1,147)	1:94:A:GLU:C	1:95:A:LYS:N	1:95:A:LYS:CA	1:95:A:LYS:C	6	1.42
(1,4)	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	1:15:A:VAL:N	8	1.42
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	13	1.41
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	10	1.4
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	10	1.4
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	19	1.39
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	2	1.39
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	4	1.39
(1,65)	1:52:A:SER:C	1:53:A:ASP:N	1:53:A:ASP:CA	1:53:A:ASP:C	9	1.39
(1,2)	1:12:A:SER:N	1:12:A:SER:CA	1:12:A:SER:C	1:13:A:GLY:N	7	1.39
(1,351)	1:207:A:ASP:C	1:208:A:ASN:N	1:208:A:ASN:CA	1:208:A:ASN:C	7	1.38
(1,351)	1:207:A:ASP:C	1:208:A:ASN:N	1:208:A:ASN:CA	1:208:A:ASN:C	3	1.37
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	2	1.37

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	10	1.36
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	8	1.36
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	16	1.36
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	8	1.36
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	9	1.35
(1,23)	1:29:A:SER:C	1:30:A:THR:N	1:30:A:THR:CA	1:30:A:THR:C	9	1.35
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	8	1.34
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	2	1.34
(1,308)	1:184:A:ASN:N	1:184:A:ASN:CA	1:184:A:ASN:C	1:185:A:THR:N	18	1.33
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	16	1.33
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	8	1.33
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	7	1.33
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	5	1.32
(1,9)	1:18:A:GLY:C	1:19:A:SER:N	1:19:A:SER:CA	1:19:A:SER:C	3	1.32
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	13	1.31
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	20	1.3
(1,400)	1:232:A:ALA:N	1:232:A:ALA:CA	1:232:A:ALA:C	1:233:A:LYS:N	11	1.3
(1,351)	1:207:A:ASP:C	1:208:A:ASN:N	1:208:A:ASN:CA	1:208:A:ASN:C	9	1.3
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	1	1.3
(1,363)	1:213:A:ASP:C	1:214:A:MET:N	1:214:A:MET:CA	1:214:A:MET:C	8	1.29
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	12	1.29
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	8	1.29
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	18	1.29
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	15	1.29
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	2	1.28
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	6	1.28
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	7	1.28
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	15	1.28
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	14	1.28
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	12	1.27
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	9	1.26
(1,400)	1:232:A:ALA:N	1:232:A:ALA:CA	1:232:A:ALA:C	1:233:A:LYS:N	19	1.26
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	9	1.25
(1,312)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:VAL:N	14	1.25
(1,4)	1:14:A:LEU:N	1:14:A:LEU:CA	1:14:A:LEU:C	1:15:A:VAL:N	10	1.25
(1,317)	1:189:A:ASN:C	1:190:A:ALA:N	1:190:A:ALA:CA	1:190:A:ALA:C	10	1.24
(1,312)	1:186:A:LEU:N	1:186:A:LEU:CA	1:186:A:LEU:C	1:187:A:VAL:N	18	1.23
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	15	1.22
(1,68)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:THR:N	2	1.22
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	5	1.21
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	19	1.21
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	10	1.21
(1,262)	1:160:A:GLY:N	1:160:A:GLY:CA	1:160:A:GLY:C	1:161:A:ALA:N	8	1.21
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	1	1.2
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	11	1.2
(1,10)	1:19:A:SER:N	1:19:A:SER:CA	1:19:A:SER:C	1:20:A:HIS:N	12	1.2
(1,391)	1:227:A:PRO:C	1:228:A:ASN:N	1:228:A:ASN:CA	1:228:A:ASN:C	11	1.18
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	18	1.16
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	11	1.16
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	7	1.16
(1,167)	1:104:A:LEU:C	1:105:A:ALA:N	1:105:A:ALA:CA	1:105:A:ALA:C	13	1.16

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,418)	1:241:A:ASN:N	1:241:A:ASN:CA	1:241:A:ASN:C	1:242:A:VAL:N	2	1.14
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	8	1.14
(1,235)	1:142:A:GLY:C	1:143:A:ARG:N	1:143:A:ARG:CA	1:143:A:ARG:C	3	1.14
(1,424)	1:245:A:PHE:N	1:245:A:PHE:CA	1:245:A:PHE:C	1:246:A:LYS:N	19	1.13
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	4	1.12
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	16	1.12
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	5	1.12
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	9	1.12
(1,264)	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	1:162:A:LYS:N	3	1.11
(1,13)	1:23:A:THR:C	1:24:A:HIS:N	1:24:A:HIS:CA	1:24:A:HIS:C	18	1.11
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	4	1.1
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	2	1.1
(1,102)	1:71:A:GLY:N	1:71:A:GLY:CA	1:71:A:GLY:C	1:72:A:LYS:N	5	1.1
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	7	1.09
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	11	1.09
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	13	1.09
(1,315)	1:187:A:VAL:C	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	5	1.09
(1,351)	1:207:A:ASP:C	1:208:A:ASN:N	1:208:A:ASN:CA	1:208:A:ASN:C	15	1.08
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	16	1.08
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	17	1.06
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	8	1.06
(1,382)	1:223:A:GLN:N	1:223:A:GLN:CA	1:223:A:GLN:C	1:224:A:LYS:N	15	1.06
(1,288)	1:173:A:GLN:N	1:173:A:GLN:CA	1:173:A:GLN:C	1:174:A:ALA:N	4	1.06
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	5	1.05
(1,320)	1:191:A:ASP:N	1:191:A:ASP:CA	1:191:A:ASP:C	1:192:A:GLU:N	1	1.05
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	18	1.05
(1,263)	1:160:A:GLY:C	1:161:A:ALA:N	1:161:A:ALA:CA	1:161:A:ALA:C	10	1.05
(1,391)	1:227:A:PRO:C	1:228:A:ASN:N	1:228:A:ASN:CA	1:228:A:ASN:C	1	1.04
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	6	1.04
(1,400)	1:232:A:ALA:N	1:232:A:ALA:CA	1:232:A:ALA:C	1:233:A:LYS:N	17	1.03
(1,195)	1:119:A:ILE:C	1:120:A:THR:N	1:120:A:THR:CA	1:120:A:THR:C	17	1.03
(1,18)	1:27:A:ASP:N	1:27:A:ASP:CA	1:27:A:ASP:C	1:28:A:GLN:N	15	1.03
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	12	1.02
(1,404)	1:234:A:MET:N	1:234:A:MET:CA	1:234:A:MET:C	1:235:A:LEU:N	18	1.02
(1,316)	1:188:A:ILE:N	1:188:A:ILE:CA	1:188:A:ILE:C	1:189:A:ASN:N	13	1.02
(1,416)	1:240:A:VAL:N	1:240:A:VAL:CA	1:240:A:VAL:C	1:241:A:ASN:N	10	1.0
(1,349)	1:206:A:PHE:C	1:207:A:ASP:N	1:207:A:ASP:CA	1:207:A:ASP:C	2	1.0