Full wwPDB NMR Structure Validation Report (i)

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PDB ID	:	2MII
BMRB ID	:	19681
Title	:	NMR structure of E. coli LpoB
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Deposited on	:	2013-12-13

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

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

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

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

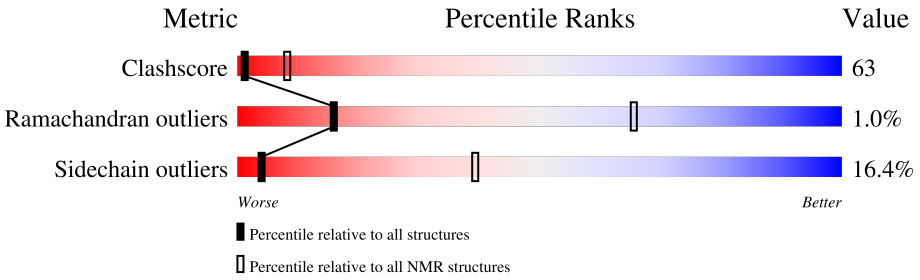
MolProbity	:	4.02b-467
Percentile statistics	:	20231227.v01 (using entries in the PDB archive December 27th 2023)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.40

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 96%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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	197	18% 43% 6% 33%

2 Ensemble composition and analysis

This entry contains 20 models. Model 6 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:62-A:122, A:127-A:197 (132)	0.19	6

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 6 clusters and 3 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 2904 atoms, of which 1448 are hydrogens and 0 are deuteriums.

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

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	197	2904	900	1448	262	287	7	0

There are 4 discrepancies between the modelled and reference sequences:

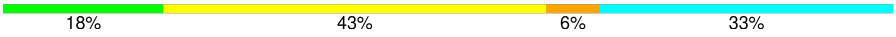
Chain	Residue	Modelled	Actual	Comment	Reference
A	1	GLY	-	expression tag	UNP B1XA15
A	2	SER	-	expression tag	UNP B1XA15
A	3	HIS	-	expression tag	UNP B1XA15
A	4	MET	-	expression tag	UNP B1XA15

4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Penicillin-binding protein activator LpoB

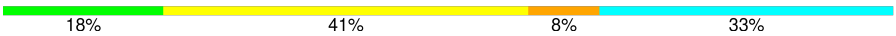
Chain A: 

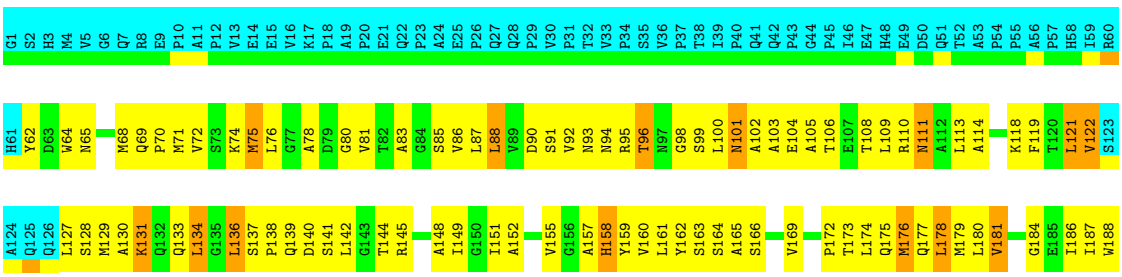
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Penicillin-binding protein activator LpoB

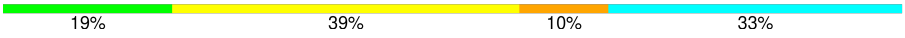
Chain A: 



4.2.2 Score per residue for model 2

• Molecule 1: Penicillin-binding protein activator LpoB

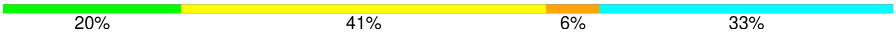
Chain A:

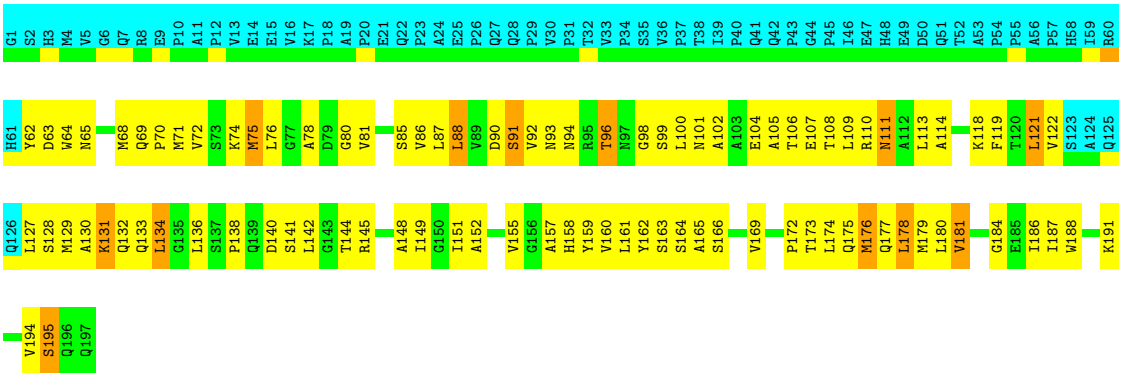


4.2.3 Score per residue for model 3

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

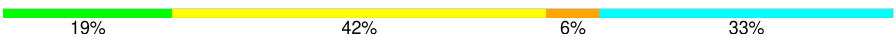


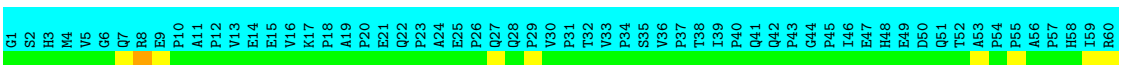


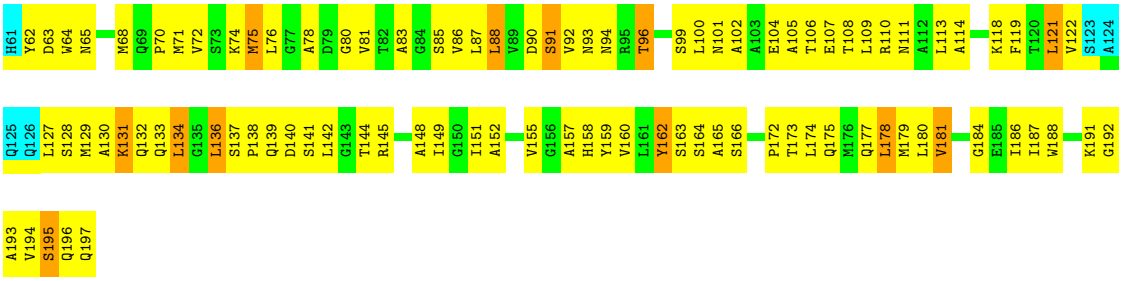
4.2.4 Score per residue for model 4

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:



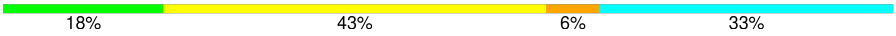


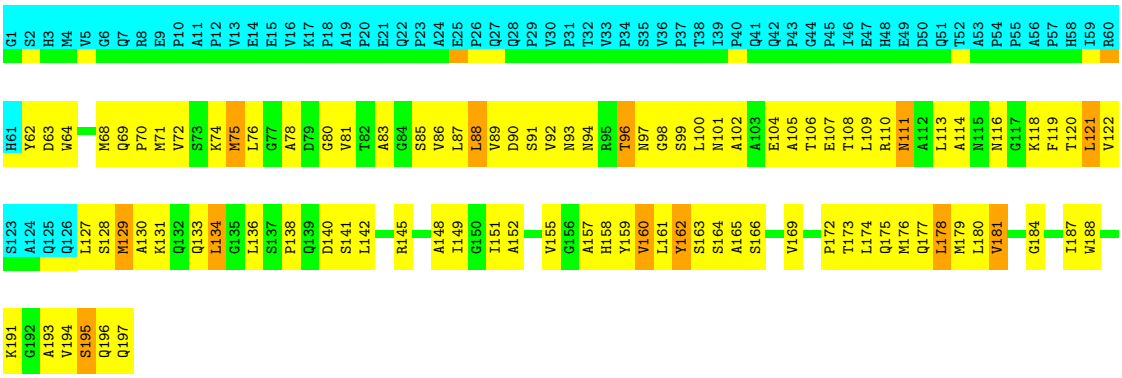


4.2.5 Score per residue for model 5

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

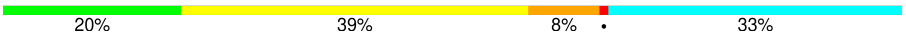


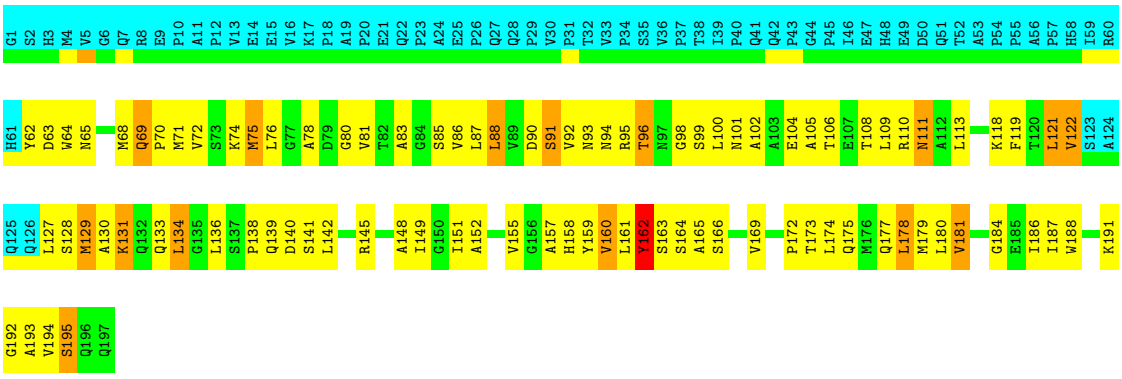


4.2.6 Score per residue for model 6 (medoid)

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

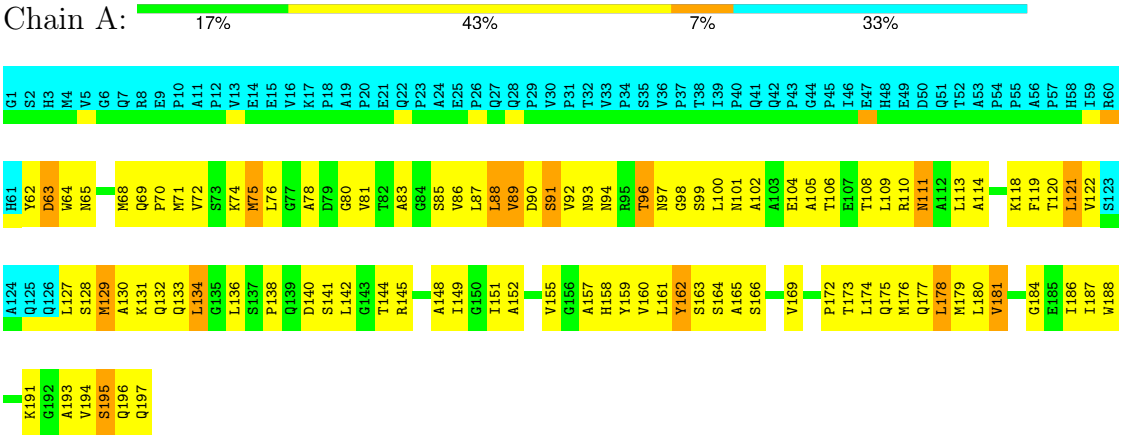




4.2.7 Score per residue for model 7

• Molecule 1: Penicillin-binding protein activator LpoB

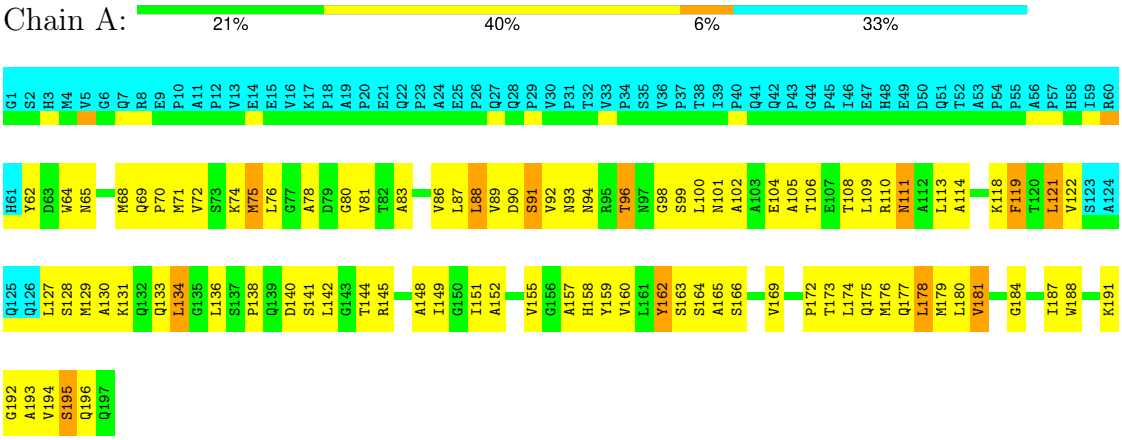
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Penicillin-binding protein activator LpoB

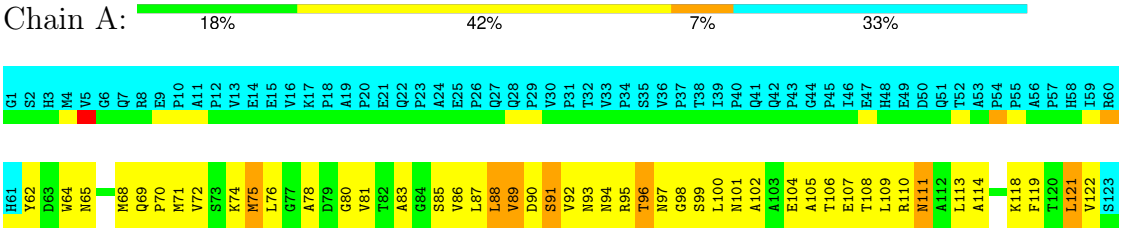
Chain A:

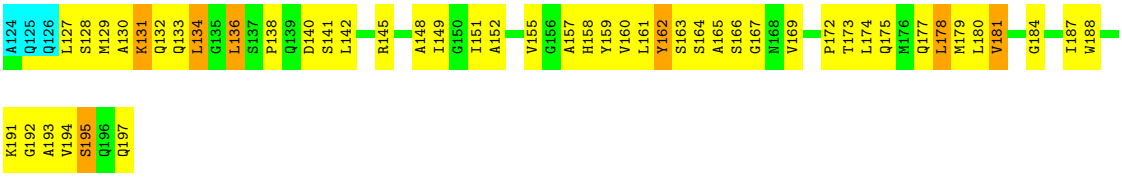


4.2.9 Score per residue for model 9

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

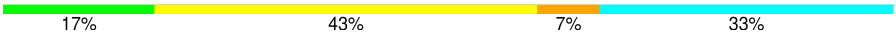


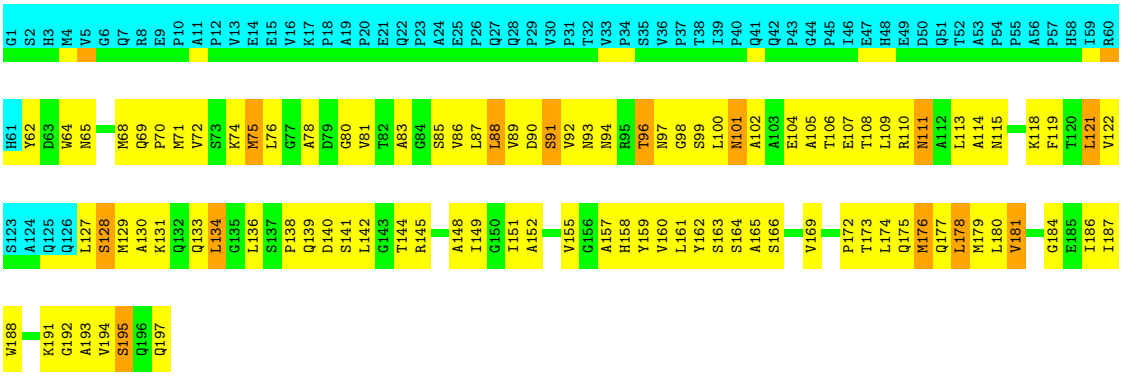


4.2.10 Score per residue for model 10

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

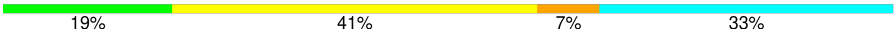


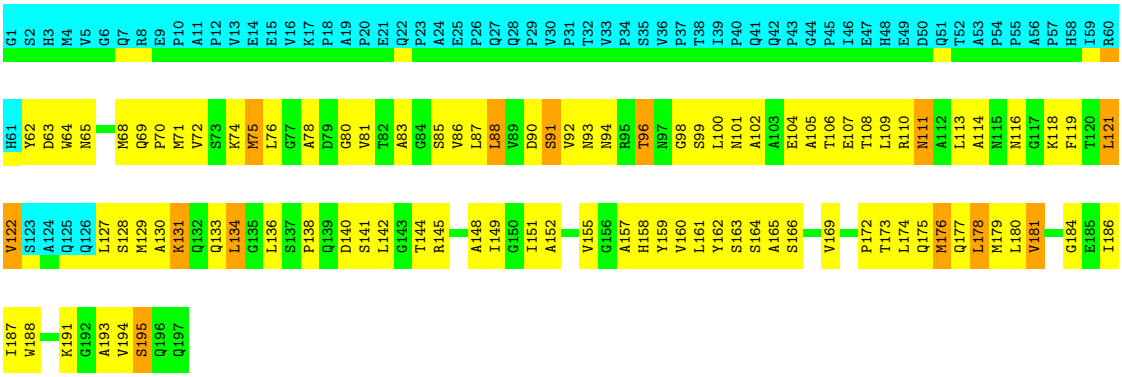


4.2.11 Score per residue for model 11

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

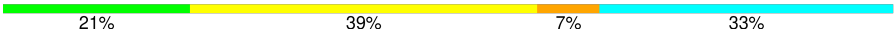


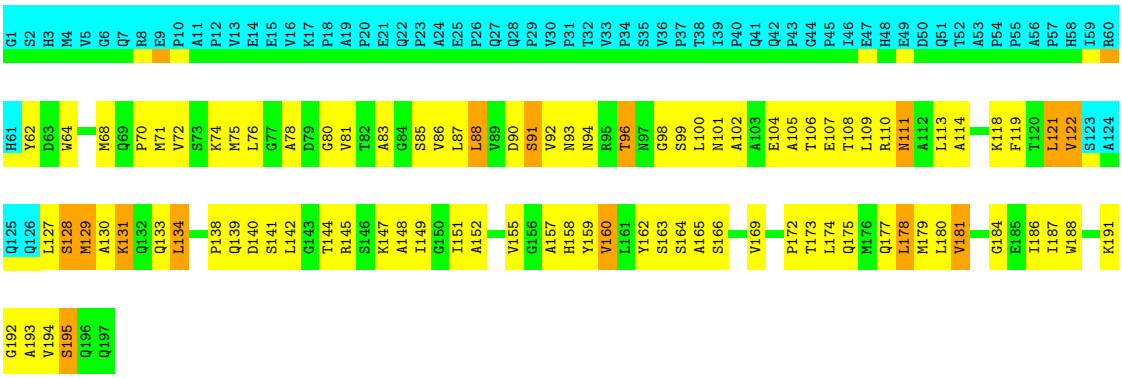


4.2.12 Score per residue for model 12

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

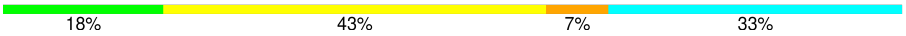




4.2.13 Score per residue for model 13

• Molecule 1: Penicillin-binding protein activator LpoB

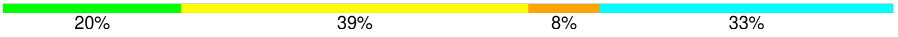
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Penicillin-binding protein activator LpoB

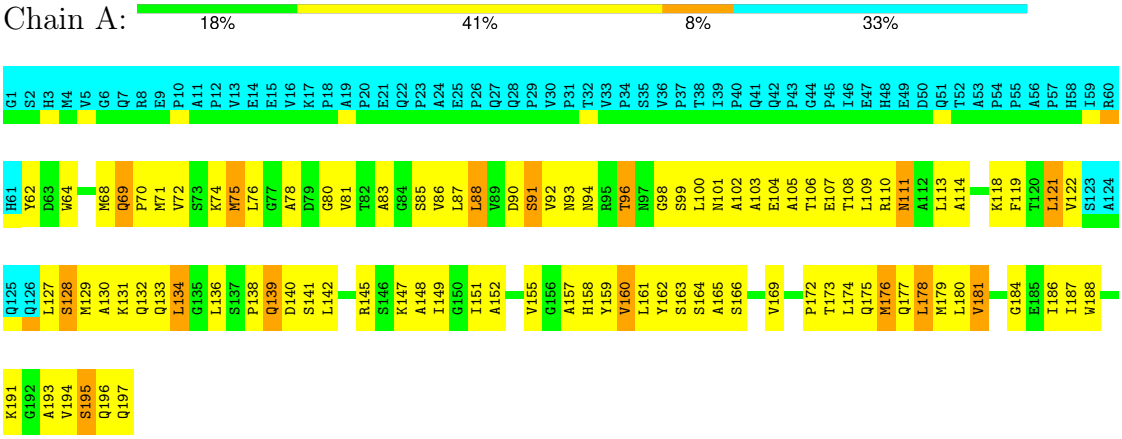
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Penicillin-binding protein activator LpoB

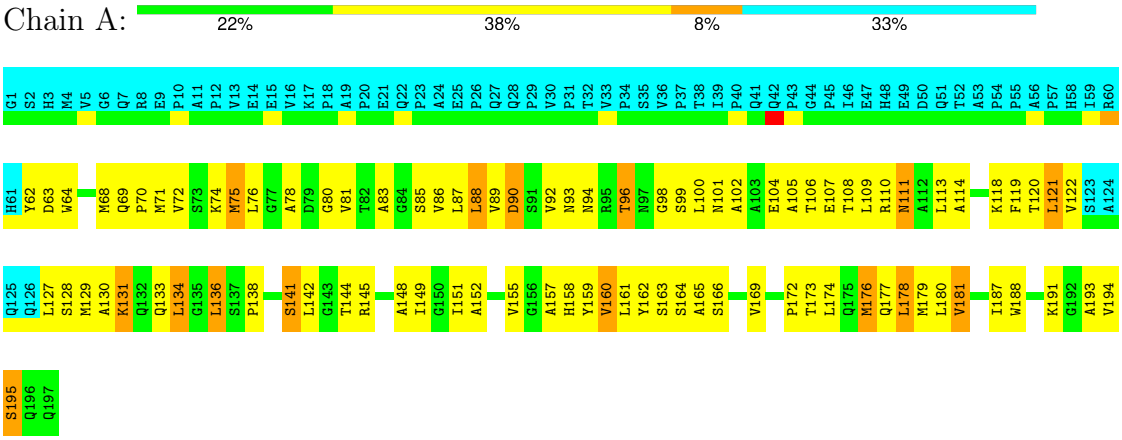
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Penicillin-binding protein activator LpoB

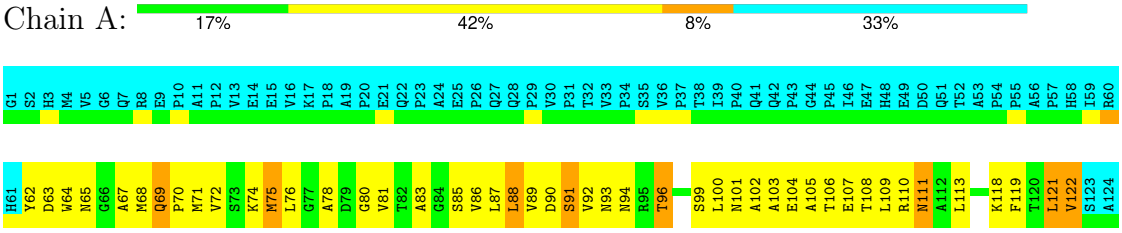
Chain A:

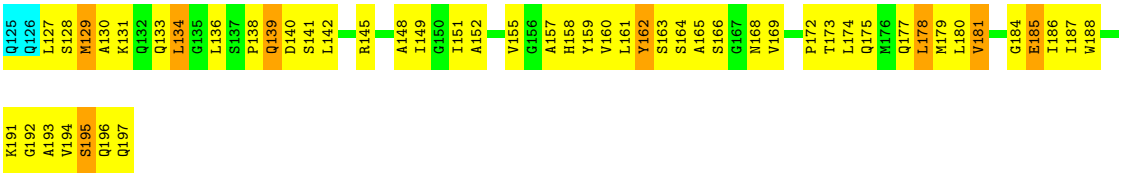


4.2.17 Score per residue for model 17

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

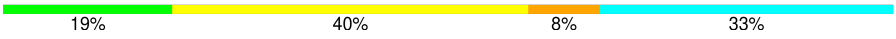




4.2.18 Score per residue for model 18

• Molecule 1: Penicillin-binding protein activator LpoB

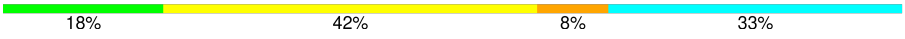
Chain A:

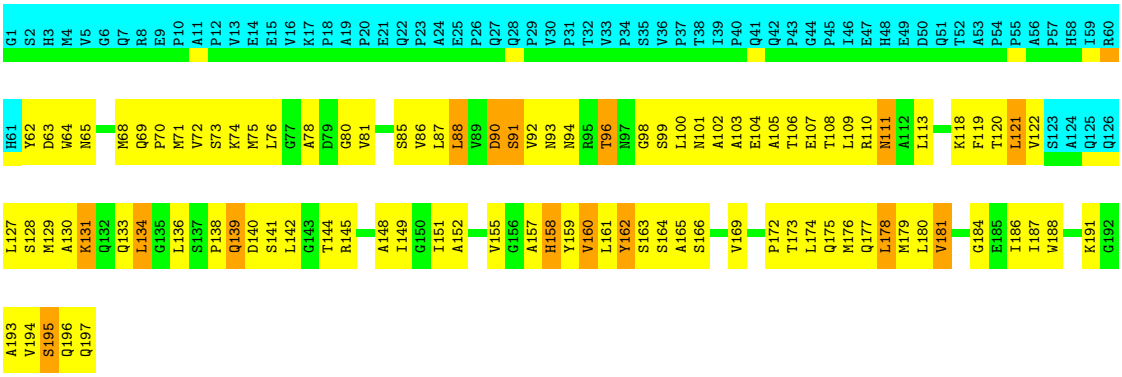


4.2.19 Score per residue for model 19

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:

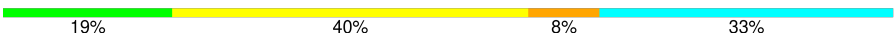


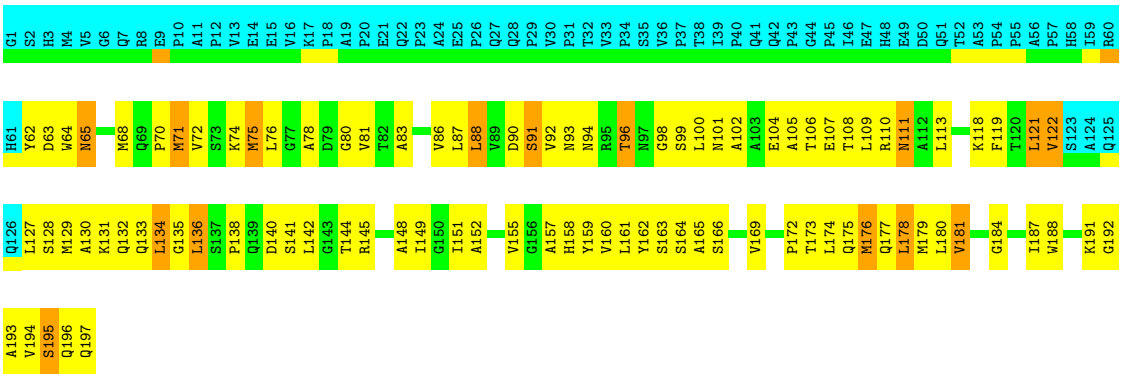


4.2.20 Score per residue for model 20

• Molecule 1: Penicillin-binding protein activator LpoB

Chain A:




G1 S2 H3 M4 V5 G6 Q7 R8 E9 P10 A11 P12 V13 E14 E15 V16 K17 P18 A19 P20 E21 Q22 P23 A24 E25 P26 Q27 Q28 P29 V30 P31 T32 V33 P34 S35 V36 P37 T38 I39 P40 Q41 Q42 P43 G44 P45 I46 E47 H48 E49 D50 Q51 T52 A53 P54 P55 A56 P57 H58 I59 R60
H61 Y62 D63 W64 N65 M68 Q69 P70 M71 V72 S73 K74 M75 L76 G77 A78 D79 G80 V81 T82 A83 V86 L87 L88 V89 D90 S91 V92 N93 N94 R95 T96 N97 G98 S99 L100 N101 A102 A103 E104 A105 T106 E107 T108 L109 R110 N111 A112 L113 K118 F119 T120 L121 V122 S123 A124 Q125
Q126 L127 S128 M129 A130 K131 Q132 Q133 L134 G135 L136 S137 P138 Q139 D140 S141 L142 G143 T144 R145 A148 I149 G150 I151 A152 V155 G156 A157 H158 Y159 V160 L161 Y162 S163 S164 A165 S166 V169 P172 T173 L174 Q175 M176 Q177 L178 M179 L180 V181 G184 I187 W188 K191 G192
A193 V194 S195 Q196 Q197

5 Refinement protocol and experimental data overview

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

Of the 750 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
ARIA	structure solution	2.3.1
CNS	refinement	1.2
Unio10'	structure solution	2.0.2
CNS	refinement	

The following table shows chemical shift validation statistics as aggregates over all chemical shift files. Detailed validation can be found in section 7 of this report.

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	2118
Number of shifts mapped to atoms	2118
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	96%

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	0.82±0.05	0±1/977 (0.0± 0.1%)	0.80±0.01	0±0/1322 (0.0± 0.0%)
All	All	0.82	5/19540 (0.0%)	0.80	0/26440 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.6±0.6
All	All	0	11

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

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	62	TYR	CE2-CZ	-12.22	1.22	1.38	2	2
1	A	62	TYR	CE1-CZ	11.48	1.53	1.38	2	2
1	A	162	TYR	CE2-CZ	5.23	1.45	1.38	6	1

There are no bond-angle outliers.

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	162	TYR	Sidechain	8
1	A	119	PHE	Sidechain	3

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	966	974	973	121±5
All	All	19320	19480	19460	2427

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 63.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:178:LEU:HD13	1:A:187:ILE:HD11	1.00	1.30	19	20
1:A:142:LEU:HD22	1:A:148:ALA:HA	0.94	1.39	10	16
1:A:88:LEU:HD21	1:A:127:LEU:HD13	0.82	1.51	16	8
1:A:89:VAL:O	1:A:127:LEU:HD11	0.82	1.75	5	3
1:A:174:LEU:O	1:A:191:LYS:HA	0.80	1.75	19	20
1:A:90:ASP:OD1	1:A:142:LEU:HG	0.80	1.77	15	19
1:A:87:LEU:HB2	1:A:119:PHE:CD1	0.80	2.12	16	20
1:A:163:SER:HB2	1:A:176:MET:SD	0.78	2.18	19	11
1:A:75:MET:O	1:A:81:VAL:HG11	0.77	1.79	4	20
1:A:90:ASP:CG	1:A:142:LEU:HG	0.76	2.01	12	12
1:A:164:SER:O	1:A:174:LEU:HD12	0.75	1.82	12	20
1:A:68:MET:HA	1:A:71:MET:SD	0.75	2.22	20	1
1:A:71:MET:HE1	1:A:174:LEU:O	0.74	1.83	5	12
1:A:142:LEU:HD13	1:A:148:ALA:HA	0.73	1.58	18	4
1:A:70:PRO:O	1:A:74:LYS:HG3	0.72	1.84	2	20
1:A:127:LEU:HD21	1:A:131:LYS:HE2	0.70	1.63	8	3
1:A:62:TYR:HB3	1:A:195:SER:O	0.70	1.87	19	20
1:A:75:MET:SD	1:A:119:PHE:HE2	0.69	2.09	15	18
1:A:130:ALA:CB	1:A:151:ILE:HG23	0.69	2.17	20	20
1:A:90:ASP:HB2	1:A:142:LEU:HD11	0.69	1.63	5	16
1:A:178:LEU:HD13	1:A:187:ILE:CD1	0.69	2.16	19	20
1:A:148:ALA:HB2	1:A:162:TYR:OH	0.69	1.87	5	12
1:A:136:LEU:HD13	1:A:141:SER:O	0.68	1.88	16	17
1:A:113:LEU:HB3	1:A:121:LEU:HD22	0.67	1.63	17	20
1:A:94:ASN:ND2	1:A:100:LEU:HG	0.67	2.05	13	20
1:A:62:TYR:OH	1:A:100:LEU:HB3	0.67	1.90	7	16
1:A:64:TRP:CZ3	1:A:194:VAL:HG11	0.67	2.24	13	20

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:163:SER:OG	1:A:174:LEU:HD11	0.66	1.90	16	16
1:A:62:TYR:HB2	1:A:64:TRP:NE1	0.66	2.05	11	20
1:A:129:MET:O	1:A:133:GLN:HG3	0.65	1.91	7	20
1:A:127:LEU:HD11	1:A:131:LYS:HZ1	0.65	1.52	20	1
1:A:93:ASN:H	1:A:164:SER:HA	0.65	1.51	8	20
1:A:172:PRO:HD2	1:A:194:VAL:HG22	0.65	1.66	17	20
1:A:127:LEU:HD11	1:A:131:LYS:NZ	0.65	2.07	20	3
1:A:142:LEU:HD13	1:A:148:ALA:CB	0.64	2.21	7	16
1:A:142:LEU:HD22	1:A:151:ILE:CD1	0.64	2.23	18	4
1:A:68:MET:O	1:A:72:VAL:HG23	0.64	1.93	20	20
1:A:90:ASP:HB3	1:A:161:LEU:O	0.64	1.92	17	13
1:A:151:ILE:O	1:A:155:VAL:HB	0.64	1.93	12	20
1:A:131:LYS:HZ2	1:A:151:ILE:HD13	0.64	1.51	16	2
1:A:127:LEU:HD21	1:A:131:LYS:HE3	0.63	1.70	6	5
1:A:109:LEU:HD11	1:A:163:SER:OG	0.63	1.92	18	4
1:A:68:MET:SD	1:A:109:LEU:HD23	0.63	2.32	2	19
1:A:64:TRP:CE3	1:A:194:VAL:HG11	0.62	2.28	13	20
1:A:109:LEU:O	1:A:113:LEU:HD23	0.62	1.94	12	20
1:A:131:LYS:NZ	1:A:151:ILE:HD13	0.62	2.08	16	2
1:A:128:SER:CB	1:A:138:PRO:HB3	0.62	2.24	17	17
1:A:145:ARG:HD2	1:A:179:MET:SD	0.62	2.34	9	20
1:A:131:LYS:HE2	1:A:142:LEU:HD21	0.62	1.69	15	3
1:A:160:VAL:O	1:A:178:LEU:HD23	0.62	1.95	20	20
1:A:131:LYS:NZ	1:A:142:LEU:HD21	0.62	2.10	12	1
1:A:62:TYR:HB2	1:A:64:TRP:CD1	0.61	2.30	13	20
1:A:101:ASN:OD1	1:A:104:GLU:HB2	0.61	1.95	2	20
1:A:88:LEU:HB2	1:A:157:ALA:CB	0.61	2.26	12	20
1:A:96:THR:HG21	1:A:172:PRO:HB3	0.61	1.72	13	20
1:A:142:LEU:HD12	1:A:162:TYR:CE1	0.61	2.31	5	8
1:A:86:VAL:HG13	1:A:158:HIS:N	0.60	2.11	17	20
1:A:140:ASP:O	1:A:141:SER:HB2	0.60	1.95	4	18
1:A:78:ALA:CB	1:A:188:TRP:HB2	0.60	2.25	19	20
1:A:127:LEU:CD2	1:A:131:LYS:HE3	0.60	2.27	20	3
1:A:76:LEU:HD13	1:A:118:LYS:HB2	0.60	1.74	16	8
1:A:110:ARG:O	1:A:121:LEU:HD13	0.60	1.97	15	20
1:A:145:ARG:O	1:A:148:ALA:HB3	0.59	1.97	16	16
1:A:101:ASN:O	1:A:104:GLU:HB3	0.59	1.97	10	7
1:A:83:ALA:HB2	1:A:118:LYS:HE3	0.59	1.75	9	17
1:A:113:LEU:HB3	1:A:121:LEU:CD2	0.59	2.27	2	16
1:A:148:ALA:HB1	1:A:160:VAL:HG21	0.59	1.73	12	16
1:A:71:MET:HE1	1:A:192:GLY:N	0.59	2.13	18	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:88:LEU:HD21	1:A:127:LEU:HD23	0.58	1.72	12	8
1:A:75:MET:HA	1:A:188:TRP:CD1	0.58	2.33	3	18
1:A:114:ALA:HB2	1:A:121:LEU:HD11	0.58	1.75	1	15
1:A:175:GLN:HG2	1:A:191:LYS:HD2	0.58	1.75	7	16
1:A:64:TRP:CZ3	1:A:174:LEU:HD13	0.58	2.33	19	18
1:A:127:LEU:O	1:A:131:LYS:HG2	0.58	1.99	19	4
1:A:103:ALA:HB2	1:A:139:GLN:HG3	0.58	1.75	15	3
1:A:89:VAL:O	1:A:127:LEU:HD21	0.58	1.97	16	1
1:A:96:THR:HA	1:A:166:SER:HA	0.58	1.75	4	20
1:A:142:LEU:CD1	1:A:148:ALA:HA	0.58	2.28	12	4
1:A:131:LYS:HD3	1:A:138:PRO:HA	0.57	1.77	18	3
1:A:71:MET:HE2	1:A:192:GLY:N	0.57	2.15	4	3
1:A:131:LYS:HZ1	1:A:142:LEU:HD23	0.57	1.58	4	1
1:A:109:LEU:HD11	1:A:176:MET:SD	0.56	2.39	20	1
1:A:64:TRP:HB2	1:A:108:THR:HG21	0.56	1.76	13	20
1:A:64:TRP:HB3	1:A:68:MET:CE	0.56	2.30	17	20
1:A:81:VAL:HA	1:A:159:TYR:CE2	0.56	2.35	19	19
1:A:92:VAL:O	1:A:102:ALA:HB1	0.56	2.00	20	20
1:A:89:VAL:O	1:A:127:LEU:HG	0.56	2.00	17	1
1:A:75:MET:SD	1:A:178:LEU:HG	0.56	2.40	19	1
1:A:131:LYS:CE	1:A:142:LEU:HD21	0.56	2.29	12	1
1:A:87:LEU:HG	1:A:119:PHE:CE2	0.56	2.36	5	3
1:A:68:MET:O	1:A:71:MET:HG3	0.56	2.00	20	1
1:A:75:MET:HG2	1:A:76:LEU:N	0.56	2.16	15	16
1:A:93:ASN:N	1:A:164:SER:HA	0.56	2.15	4	20
1:A:173:THR:HG22	1:A:191:LYS:HB3	0.56	1.76	14	17
1:A:161:LEU:HD21	1:A:176:MET:SD	0.56	2.41	10	11
1:A:172:PRO:O	1:A:193:ALA:HA	0.55	2.01	19	19
1:A:106:THR:O	1:A:109:LEU:HB2	0.55	2.02	4	19
1:A:75:MET:HG3	1:A:178:LEU:HD12	0.55	1.78	19	1
1:A:103:ALA:HB2	1:A:139:GLN:CG	0.55	2.32	1	1
1:A:142:LEU:HD22	1:A:151:ILE:HD12	0.55	1.77	18	3
1:A:88:LEU:HD23	1:A:155:VAL:HG11	0.55	1.77	20	19
1:A:94:ASN:OD1	1:A:99:SER:HA	0.55	2.02	3	20
1:A:162:TYR:HB2	1:A:177:GLN:O	0.55	2.02	16	17
1:A:108:THR:O	1:A:111:ASN:HB2	0.54	2.02	20	15
1:A:68:MET:SD	1:A:109:LEU:HA	0.54	2.42	20	1
1:A:96:THR:CG2	1:A:172:PRO:HB3	0.54	2.33	13	20
1:A:130:ALA:HB3	1:A:151:ILE:HG23	0.54	1.77	11	20
1:A:131:LYS:HE3	1:A:142:LEU:HD21	0.54	1.79	12	1
1:A:83:ALA:HB2	1:A:118:LYS:CE	0.54	2.32	20	12

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:83:ALA:HB2	1:A:118:LYS:HD2	0.54	1.78	11	1
1:A:131:LYS:NZ	1:A:142:LEU:HD23	0.54	2.18	10	3
1:A:71:MET:SD	1:A:176:MET:HG3	0.54	2.42	20	1
1:A:64:TRP:HB3	1:A:68:MET:HE1	0.54	1.79	20	20
1:A:142:LEU:HB2	1:A:162:TYR:CE1	0.53	2.38	4	8
1:A:91:SER:HA	1:A:106:THR:OG1	0.53	2.04	15	19
1:A:76:LEU:HB3	1:A:118:LYS:HE2	0.53	1.81	19	1
1:A:64:TRP:HZ3	1:A:174:LEU:HD13	0.53	1.62	19	3
1:A:142:LEU:N	1:A:142:LEU:HD23	0.53	2.17	12	4
1:A:163:SER:HG	1:A:174:LEU:HD11	0.53	1.63	5	9
1:A:91:SER:OG	1:A:141:SER:HA	0.53	2.04	20	3
1:A:102:ALA:O	1:A:105:ALA:HB3	0.53	2.03	4	20
1:A:165:ALA:HA	1:A:173:THR:O	0.53	2.03	12	20
1:A:91:SER:OG	1:A:131:LYS:HE3	0.53	2.04	10	2
1:A:90:ASP:OD1	1:A:91:SER:N	0.52	2.42	18	5
1:A:130:ALA:HB1	1:A:151:ILE:HG12	0.52	1.82	12	3
1:A:152:ALA:HB3	1:A:181:VAL:HG21	0.52	1.82	11	19
1:A:93:ASN:CB	1:A:164:SER:HB3	0.52	2.34	15	20
1:A:65:ASN:ND2	1:A:69:GLN:HG3	0.52	2.19	1	12
1:A:131:LYS:CD	1:A:138:PRO:HA	0.51	2.35	18	6
1:A:129:MET:C	1:A:133:GLN:HG3	0.51	2.25	10	20
1:A:142:LEU:HD22	1:A:151:ILE:HD13	0.51	1.82	12	1
1:A:62:TYR:HB3	1:A:194:VAL:HG23	0.51	1.82	19	15
1:A:127:LEU:CD2	1:A:131:LYS:HE2	0.51	2.35	12	3
1:A:69:GLN:HE22	1:A:115:ASN:ND2	0.51	2.04	14	1
1:A:110:ARG:NH2	1:A:127:LEU:HD12	0.51	2.20	2	2
1:A:81:VAL:HB	1:A:187:ILE:CD1	0.50	2.36	5	10
1:A:163:SER:HB3	1:A:176:MET:SD	0.50	2.46	7	2
1:A:76:LEU:HD13	1:A:118:LYS:HD3	0.50	1.83	17	1
1:A:131:LYS:HD2	1:A:138:PRO:HA	0.50	1.82	15	1
1:A:132:GLN:HA	1:A:136:LEU:O	0.50	2.07	15	5
1:A:75:MET:HA	1:A:188:TRP:CG	0.50	2.42	3	18
1:A:103:ALA:HB2	1:A:139:GLN:HG2	0.50	1.83	1	1
1:A:164:SER:O	1:A:174:LEU:HA	0.50	2.07	13	6
1:A:88:LEU:HG	1:A:152:ALA:HA	0.50	1.84	15	20
1:A:131:LYS:HZ1	1:A:151:ILE:HG21	0.50	1.67	19	1
1:A:162:TYR:N	1:A:177:GLN:O	0.50	2.43	13	20
1:A:178:LEU:CD1	1:A:187:ILE:HD11	0.50	2.26	2	3
1:A:76:LEU:HD13	1:A:118:LYS:CG	0.49	2.37	5	2
1:A:88:LEU:HD12	1:A:160:VAL:CG2	0.49	2.38	19	16
1:A:173:THR:CG2	1:A:191:LYS:HB3	0.49	2.37	1	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:175:GLN:CG	1:A:191:LYS:HD2	0.49	2.36	7	11
1:A:149:ILE:HD11	1:A:184:GLY:CA	0.49	2.38	12	17
1:A:75:MET:SD	1:A:119:PHE:CE2	0.49	3.00	15	3
1:A:90:ASP:HB2	1:A:142:LEU:CD1	0.49	2.37	16	3
1:A:68:MET:HG2	1:A:174:LEU:HD21	0.49	1.85	20	20
1:A:142:LEU:HD13	1:A:148:ALA:HB1	0.49	1.82	16	16
1:A:162:TYR:O	1:A:177:GLN:N	0.49	2.46	14	20
1:A:87:LEU:CD1	1:A:89:VAL:HG12	0.48	2.38	10	5
1:A:131:LYS:HZ3	1:A:142:LEU:HD23	0.48	1.68	8	1
1:A:174:LEU:O	1:A:191:LYS:CA	0.48	2.58	14	2
1:A:175:GLN:HG2	1:A:191:LYS:CD	0.48	2.38	7	10
1:A:98:GLY:HA3	1:A:169:VAL:HG11	0.48	1.85	18	17
1:A:106:THR:O	1:A:110:ARG:HD3	0.48	2.09	6	1
1:A:122:VAL:CG2	1:A:127:LEU:HB2	0.48	2.39	17	7
1:A:62:TYR:CD1	1:A:62:TYR:N	0.48	2.81	2	4
1:A:142:LEU:O	1:A:147:LYS:HD2	0.48	2.09	15	3
1:A:174:LEU:HB2	1:A:194:VAL:CG1	0.48	2.38	12	16
1:A:104:GLU:O	1:A:107:GLU:HG2	0.47	2.10	4	4
1:A:78:ALA:HB2	1:A:188:TRP:CD1	0.47	2.44	2	20
1:A:99:SER:N	1:A:169:VAL:HG21	0.47	2.24	1	12
1:A:160:VAL:HG11	1:A:162:TYR:CD2	0.47	2.45	17	16
1:A:80:GLY:HA3	1:A:187:ILE:HB	0.47	1.87	8	20
1:A:64:TRP:CE2	1:A:105:ALA:HB2	0.47	2.45	18	18
1:A:72:VAL:HG13	1:A:75:MET:SD	0.47	2.49	7	12
1:A:111:ASN:N	1:A:111:ASN:HD22	0.47	2.07	7	15
1:A:178:LEU:CB	1:A:188:TRP:HB3	0.47	2.40	11	20
1:A:131:LYS:HZ2	1:A:142:LEU:HD23	0.47	1.70	16	1
1:A:62:TYR:CB	1:A:195:SER:O	0.47	2.62	19	16
1:A:149:ILE:HG13	1:A:179:MET:HE1	0.47	1.86	3	17
1:A:149:ILE:HA	1:A:181:VAL:HG23	0.46	1.87	10	20
1:A:128:SER:O	1:A:132:GLN:HG3	0.46	2.09	7	3
1:A:127:LEU:HD13	1:A:128:SER:N	0.46	2.25	15	4
1:A:128:SER:HB3	1:A:138:PRO:HB3	0.46	1.85	5	3
1:A:142:LEU:HD13	1:A:148:ALA:HB2	0.46	1.86	7	2
1:A:134:LEU:HD23	1:A:134:LEU:N	0.46	2.26	7	20
1:A:62:TYR:C	1:A:197:GLN:HG2	0.46	2.30	2	10
1:A:62:TYR:CD2	1:A:64:TRP:CZ2	0.46	3.04	19	11
1:A:91:SER:HA	1:A:106:THR:CG2	0.46	2.40	5	14
1:A:88:LEU:HD23	1:A:122:VAL:HG21	0.46	1.86	2	5
1:A:88:LEU:O	1:A:160:VAL:HA	0.46	2.10	10	9
1:A:95:ARG:HD2	1:A:164:SER:CB	0.46	2.41	9	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:62:TYR:HA	1:A:196:GLN:HA	0.46	1.87	7	3
1:A:62:TYR:CD1	1:A:196:GLN:HG3	0.46	2.46	7	1
1:A:128:SER:O	1:A:131:LYS:HB2	0.46	2.10	10	1
1:A:71:MET:HB3	1:A:188:TRP:CH2	0.46	2.46	6	14
1:A:76:LEU:HB3	1:A:118:LYS:CE	0.46	2.41	3	3
1:A:177:GLN:HG2	1:A:186:ILE:HD12	0.45	1.88	7	14
1:A:130:ALA:O	1:A:134:LEU:HG	0.45	2.11	19	3
1:A:161:LEU:HD21	1:A:176:MET:HE1	0.45	1.86	20	1
1:A:63:ASP:HB3	1:A:195:SER:CB	0.45	2.40	4	9
1:A:174:LEU:HB3	1:A:192:GLY:O	0.45	2.12	20	2
1:A:147:LYS:O	1:A:151:ILE:HD12	0.45	2.12	12	1
1:A:76:LEU:HD22	1:A:118:LYS:HE2	0.45	1.89	5	2
1:A:131:LYS:NZ	1:A:151:ILE:HG21	0.45	2.26	16	3
1:A:127:LEU:HD22	1:A:127:LEU:O	0.45	2.12	20	1
1:A:113:LEU:CB	1:A:121:LEU:HD22	0.45	2.42	11	10
1:A:131:LYS:HA	1:A:151:ILE:HD11	0.45	1.87	2	3
1:A:159:TYR:CA	1:A:181:VAL:HG12	0.45	2.42	9	17
1:A:159:TYR:HD2	1:A:178:LEU:CD2	0.44	2.25	13	20
1:A:86:VAL:HA	1:A:120:THR:HB	0.44	1.89	19	7
1:A:127:LEU:C	1:A:127:LEU:HD23	0.44	2.32	5	3
1:A:87:LEU:HB2	1:A:119:PHE:CE1	0.44	2.46	4	3
1:A:88:LEU:HD12	1:A:160:VAL:HG22	0.44	1.89	19	4
1:A:86:VAL:HG13	1:A:158:HIS:H	0.44	1.72	16	6
1:A:93:ASN:HB3	1:A:164:SER:HB3	0.44	1.87	16	8
1:A:137:SER:C	1:A:139:GLN:H	0.44	2.15	4	2
1:A:127:LEU:HD22	1:A:131:LYS:NZ	0.44	2.27	12	1
1:A:159:TYR:HD2	1:A:178:LEU:HD21	0.43	1.73	8	2
1:A:116:ASN:OD1	1:A:118:LYS:HG3	0.43	2.13	11	1
1:A:63:ASP:N	1:A:197:GLN:HG2	0.43	2.28	4	6
1:A:90:ASP:OD2	1:A:142:LEU:HG	0.43	2.11	12	1
1:A:63:ASP:HB3	1:A:195:SER:HB2	0.43	1.90	14	4
1:A:194:VAL:HG23	1:A:195:SER:O	0.43	2.14	8	5
1:A:90:ASP:CG	1:A:162:TYR:HA	0.43	2.33	16	1
1:A:109:LEU:HD11	1:A:163:SER:HB3	0.43	1.89	17	1
1:A:64:TRP:CB	1:A:108:THR:HG21	0.43	2.43	7	4
1:A:88:LEU:HA	1:A:122:VAL:CG1	0.43	2.43	8	2
1:A:88:LEU:CD2	1:A:122:VAL:HG21	0.43	2.43	20	3
1:A:130:ALA:HB1	1:A:151:ILE:HG23	0.43	1.89	20	2
1:A:131:LYS:NZ	1:A:141:SER:HA	0.43	2.28	14	1
1:A:90:ASP:O	1:A:106:THR:HG23	0.43	2.14	4	2
1:A:86:VAL:CG1	1:A:157:ALA:HA	0.43	2.44	19	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:67:ALA:O	1:A:71:MET:HG3	0.43	2.14	17	1
1:A:175:GLN:HG2	1:A:191:LYS:HG2	0.43	1.90	20	2
1:A:62:TYR:HB3	1:A:194:VAL:CG2	0.43	2.43	19	9
1:A:137:SER:OG	1:A:140:ASP:N	0.42	2.51	2	1
1:A:128:SER:CA	1:A:138:PRO:HB3	0.42	2.45	17	5
1:A:131:LYS:HZ3	1:A:142:LEU:N	0.42	2.12	17	2
1:A:87:LEU:HB2	1:A:119:PHE:CG	0.42	2.49	10	2
1:A:68:MET:C	1:A:72:VAL:HG23	0.42	2.35	10	6
1:A:65:ASN:N	1:A:108:THR:HG21	0.42	2.28	20	2
1:A:69:GLN:N	1:A:70:PRO:HD2	0.42	2.30	16	5
1:A:65:ASN:O	1:A:69:GLN:HB2	0.42	2.15	7	4
1:A:96:THR:CA	1:A:166:SER:HA	0.42	2.44	4	4
1:A:76:LEU:HD13	1:A:118:LYS:CD	0.42	2.43	17	1
1:A:90:ASP:OD1	1:A:131:LYS:NZ	0.42	2.52	17	1
1:A:91:SER:HB2	1:A:141:SER:OG	0.42	2.15	18	1
1:A:90:ASP:HB3	1:A:162:TYR:HA	0.42	1.91	16	1
1:A:127:LEU:HD22	1:A:127:LEU:C	0.42	2.36	18	2
1:A:71:MET:SD	1:A:174:LEU:HD23	0.42	2.54	20	1
1:A:71:MET:CE	1:A:176:MET:SD	0.41	3.08	18	2
1:A:80:GLY:C	1:A:187:ILE:HD13	0.41	2.34	19	1
1:A:72:VAL:HA	1:A:75:MET:SD	0.41	2.54	20	1
1:A:91:SER:H	1:A:131:LYS:NZ	0.41	2.12	1	1
1:A:86:VAL:HG13	1:A:157:ALA:HA	0.41	1.91	19	1
1:A:97:ASN:HB2	1:A:167:GLY:O	0.41	2.15	9	1
1:A:131:LYS:O	1:A:135:GLY:N	0.41	2.51	20	1
1:A:178:LEU:O	1:A:187:ILE:HG13	0.41	2.15	7	2
1:A:81:VAL:N	1:A:187:ILE:HD13	0.41	2.30	8	1
1:A:110:ARG:HH21	1:A:127:LEU:HB3	0.41	1.75	2	1
1:A:91:SER:HB3	1:A:138:PRO:O	0.41	2.16	15	1
1:A:71:MET:CE	1:A:174:LEU:O	0.41	2.69	20	1
1:A:90:ASP:CG	1:A:91:SER:N	0.41	2.74	2	3
1:A:98:GLY:HA3	1:A:169:VAL:CG1	0.41	2.46	7	3
1:A:111:ASN:HD22	1:A:111:ASN:N	0.41	2.14	3	3
1:A:159:TYR:CD2	1:A:178:LEU:HD21	0.41	2.50	8	1
1:A:134:LEU:CD1	1:A:151:ILE:HG13	0.41	2.45	12	1
1:A:142:LEU:CD2	1:A:151:ILE:HD13	0.41	2.45	12	1
1:A:113:LEU:HD21	1:A:161:LEU:CD2	0.41	2.45	17	1
1:A:72:VAL:HG11	1:A:113:LEU:HA	0.41	1.93	2	1
1:A:131:LYS:O	1:A:136:LEU:N	0.41	2.54	11	2
1:A:161:LEU:HD21	1:A:176:MET:CE	0.41	2.46	5	1
1:A:185:GLU:HG3	1:A:186:ILE:N	0.40	2.31	17	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:69:GLN:NE2	1:A:115:ASN:ND2	0.40	2.68	14	1
1:A:136:LEU:CD1	1:A:142:LEU:HA	0.40	2.46	18	1
1:A:93:ASN:HB2	1:A:164:SER:HB3	0.40	1.92	9	1
1:A:168:ASN:O	1:A:172:PRO:CA	0.40	2.69	17	1
1:A:127:LEU:HD22	1:A:131:LYS:HZ3	0.40	1.77	12	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	131/197 (66%)	117±2 (90±1%)	12±2 (9±1%)	1±0 (1±0%)	16	65
All	All	2620/3940 (66%)	2347 (90%)	248 (9%)	25 (1%)	16	65

All 2 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	96	THR	20
1	A	136	LEU	5

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	103/159 (65%)	86±2 (84±2%)	17±2 (16±2%)	4	39
All	All	2060/3180 (65%)	1722 (84%)	338 (16%)	4	39

All 38 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	88	LEU	20
1	A	121	LEU	20
1	A	134	LEU	20
1	A	178	LEU	20
1	A	180	LEU	20
1	A	181	VAL	20
1	A	195	SER	20
1	A	111	ASN	19
1	A	75	MET	18
1	A	85	SER	17
1	A	91	SER	16
1	A	144	THR	15
1	A	131	LYS	12
1	A	107	GLU	12
1	A	122	VAL	10
1	A	176	MET	9
1	A	129	MET	8
1	A	160	VAL	8
1	A	139	GLN	7
1	A	69	GLN	6
1	A	128	SER	5
1	A	196	GLN	5
1	A	89	VAL	4
1	A	97	ASN	4
1	A	101	ASN	3
1	A	158	HIS	3
1	A	115	ASN	3
1	A	65	ASN	2
1	A	73	SER	2
1	A	90	ASP	2
1	A	76	LEU	1
1	A	137	SER	1
1	A	155	VAL	1
1	A	116	ASN	1
1	A	63	ASP	1
1	A	141	SER	1
1	A	185	GLU	1
1	A	71	MET	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

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 96% for the well-defined parts and 84% 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	2118
Number of shifts mapped to atoms	2118
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	6

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	178	-0.24 ± 0.09	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	162	0.24 ± 0.13	None needed (< 0.5 ppm)
$^{13}C'$	177	-0.03 ± 0.11	None needed (< 0.5 ppm)
^{15}N	165	-0.54 ± 0.33	None needed (imprecise)

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 96%, i.e. 1625 atoms were assigned a chemical shift out of a possible 1690. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	667/668 (100%)	274/275 (100%)	264/264 (100%)	129/129 (100%)
Sidechain	896/953 (94%)	602/627 (96%)	273/289 (94%)	21/37 (57%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	62/69 (90%)	30/33 (91%)	28/32 (88%)	4/4 (100%)
Overall	1625/1690 (96%)	906/935 (97%)	565/585 (97%)	154/170 (91%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 84%, i.e. 2117 atoms were assigned a chemical shift out of a possible 2526. 0 out of 32 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	872/964 (90%)	352/392 (90%)	355/394 (90%)	165/178 (93%)
Sidechain	1174/1461 (80%)	779/957 (81%)	370/451 (82%)	25/53 (47%)
Aromatic	71/101 (70%)	33/49 (67%)	31/40 (78%)	7/12 (58%)
Overall	2117/2526 (84%)	1164/1398 (83%)	756/885 (85%)	197/243 (81%)

7.1.4 Statistically unusual chemical shifts (i)

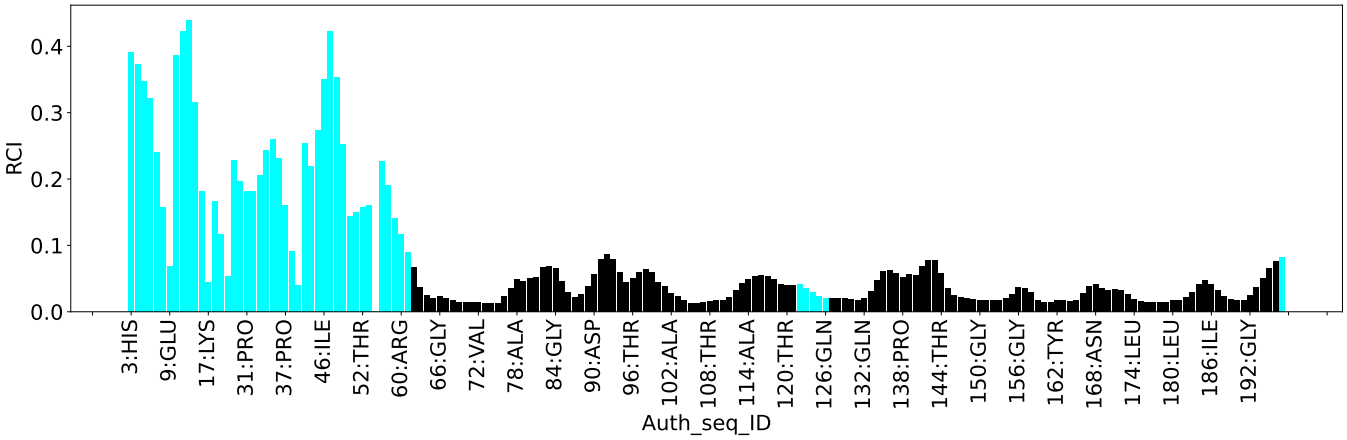
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	106	THR	HG1	5.28	0.08 – 2.19	19.6
1	A	105	ALA	HB1	-0.07	0.14 – 2.58	-5.9
1	A	105	ALA	HB2	-0.07	0.14 – 2.58	-5.9
1	A	105	ALA	HB3	-0.07	0.14 – 2.58	-5.9
1	A	75	MET	HA	1.93	2.11 – 6.67	-5.4
1	A	75	MET	HB2	0.34	0.42 – 3.63	-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:


RCI
0.0
0.1
0.2
0.3
0.4
3:HIS
9:GLU
17:LYS
31:PRO
37:PRO
46:ILE
52:THR
60:ARG
66:GLY
72:VAL
78:ALA
84:GLY
90:ASP
96:THR
102:ALA
108:THR
114:ALA
120:THR
126:GLN
132:GLN
138:PRO
144:THR
150:GLY
156:GLY
162:TYR
168:ASN
174:LEU
180:LEU
186:ILE
192:GLY
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	5500
Intra-residue (|i-j|=0)	1605
Sequential (|i-j|=1)	1050
Medium range (|i-j|>1 and |i-j|<5)	848
Long range (|i-j|≥5)	1997
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	248
Number of unmapped restraints	0
Number of restraints per residue	29.2
Number of long range restraints per residue[1]	10.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	305.8	0.2
0.2-0.5 (Medium)	563.4	0.5
>0.5 (Large)	574.2	4.01

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)	27.2	9.69
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

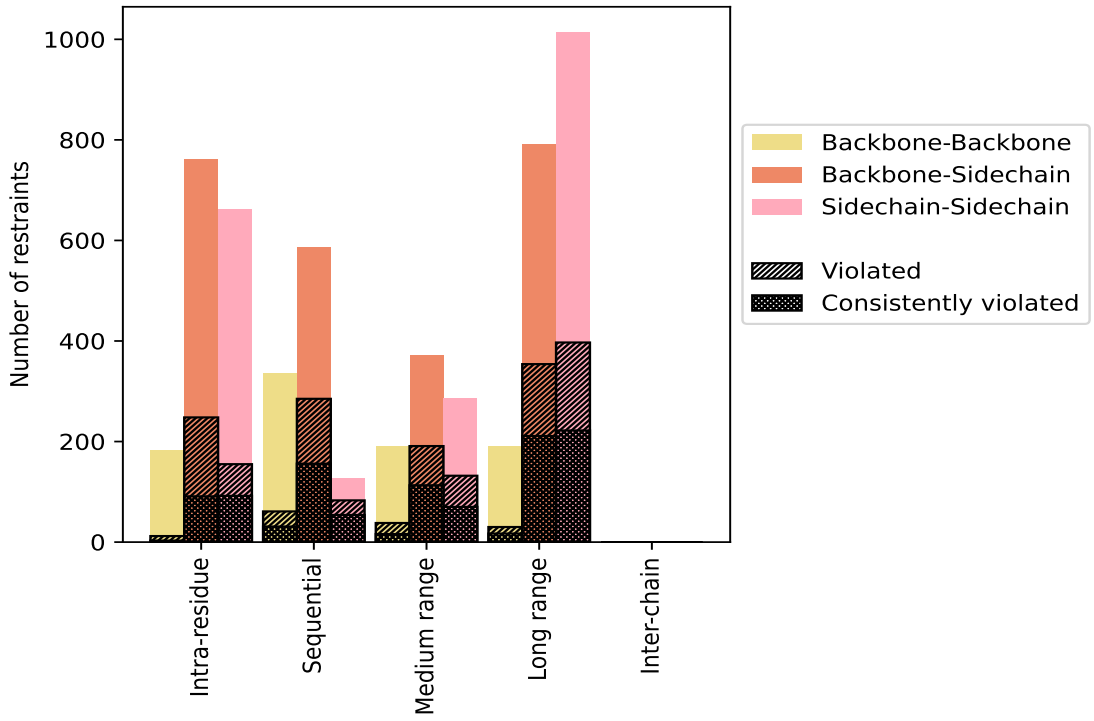
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1605	29.2	415	25.9	7.5	186	11.6	3.4
Backbone-Backbone	182	3.3	12	6.6	0.2	3	1.6	0.1
Backbone-Sidechain	761	13.8	248	32.6	4.5	91	12.0	1.7
Sidechain-Sidechain	662	12.0	155	23.4	2.8	92	13.9	1.7
Sequential (|i-j|=1)	1050	19.1	429	40.9	7.8	241	23.0	4.4
Backbone-Backbone	336	6.1	61	18.2	1.1	31	9.2	0.6
Backbone-Sidechain	587	10.7	285	48.6	5.2	156	26.6	2.8
Sidechain-Sidechain	127	2.3	83	65.4	1.5	54	42.5	1.0
Medium range (|i-j|>1 & |i-j|<5)	848	15.4	361	42.6	6.6	199	23.5	3.6
Backbone-Backbone	190	3.5	38	20.0	0.7	16	8.4	0.3
Backbone-Sidechain	372	6.8	191	51.3	3.5	113	30.4	2.1
Sidechain-Sidechain	286	5.2	132	46.2	2.4	70	24.5	1.3
Long range (|i-j|≥5)	1997	36.3	781	39.1	14.2	450	22.5	8.2
Backbone-Backbone	191	3.5	30	15.7	0.5	17	8.9	0.3
Backbone-Sidechain	792	14.4	354	44.7	6.4	211	26.6	3.8
Sidechain-Sidechain	1014	18.4	397	39.2	7.2	222	21.9	4.0
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	5500	100.0	1986	36.1	36.1	1076	19.6	19.6
Backbone-Backbone	899	16.3	141	15.7	2.6	67	7.5	1.2
Backbone-Sidechain	2512	45.7	1078	42.9	19.6	571	22.7	10.4
Sidechain-Sidechain	2089	38.0	767	36.7	13.9	438	21.0	8.0

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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	268	343	267	572	0	1450	0.52	3.0	0.4	0.42
2	281	349	268	593	0	1491	0.53	3.63	0.43	0.41
3	270	328	273	567	0	1438	0.52	2.99	0.4	0.42
4	270	339	268	580	0	1457	0.51	3.4	0.4	0.4
5	266	336	275	585	0	1462	0.51	2.93	0.39	0.41
6	276	337	265	579	0	1457	0.51	2.97	0.38	0.41
7	269	342	268	579	0	1458	0.51	3.0	0.39	0.41
8	276	348	257	602	0	1483	0.51	2.95	0.4	0.4
9	275	327	275	567	0	1444	0.52	3.0	0.4	0.41
10	267	337	272	577	0	1453	0.51	2.97	0.39	0.41

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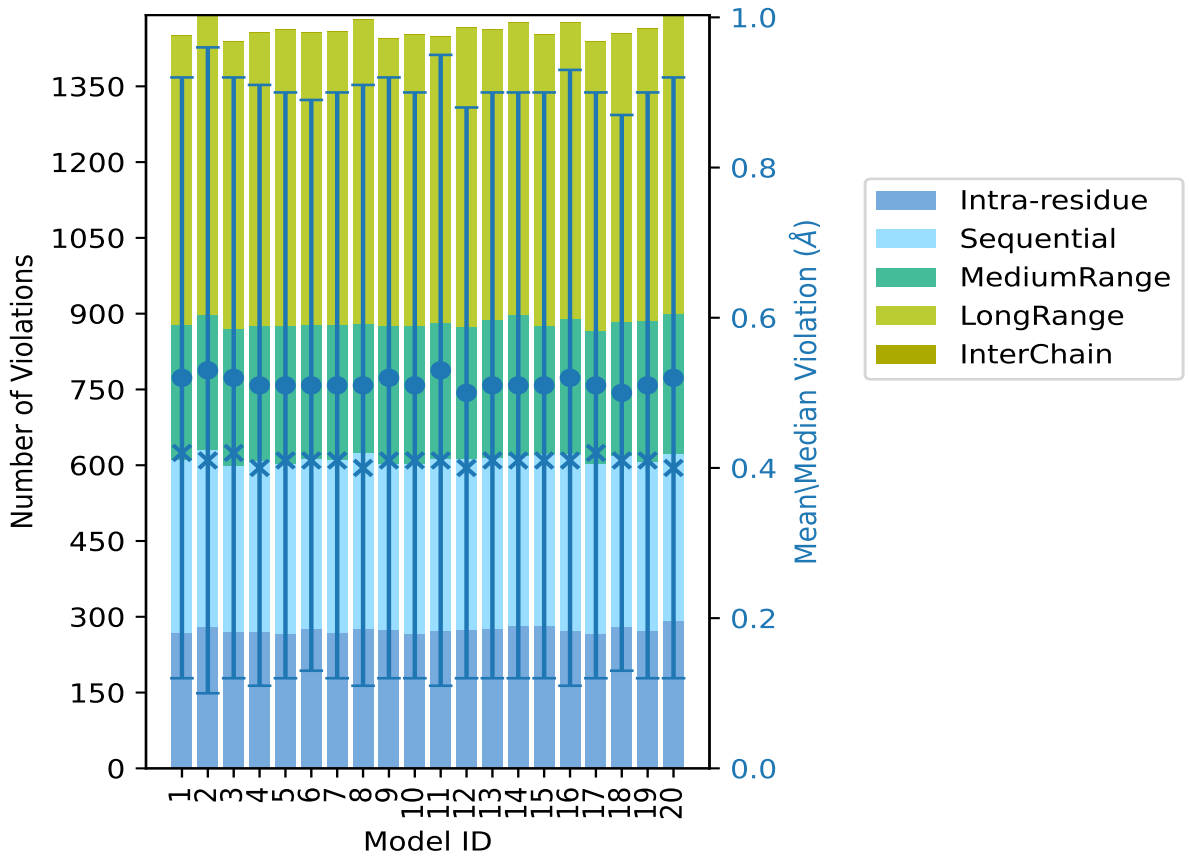
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	273	340	269	566	0	1448	0.53	3.69	0.42	0.41
12	275	337	262	593	0	1467	0.5	2.76	0.38	0.4
13	276	339	272	575	0	1462	0.51	3.36	0.39	0.41
14	283	335	281	578	0	1477	0.51	3.02	0.39	0.41
15	281	342	253	577	0	1453	0.51	2.97	0.39	0.41
16	273	349	267	587	0	1476	0.52	4.01	0.41	0.41
17	266	337	263	572	0	1438	0.51	2.96	0.39	0.42
18	280	339	265	570	0	1454	0.5	2.8	0.37	0.41
19	272	335	280	578	0	1465	0.51	2.99	0.39	0.41
20	291	332	276	591	0	1490	0.52	2.96	0.4	0.4

[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

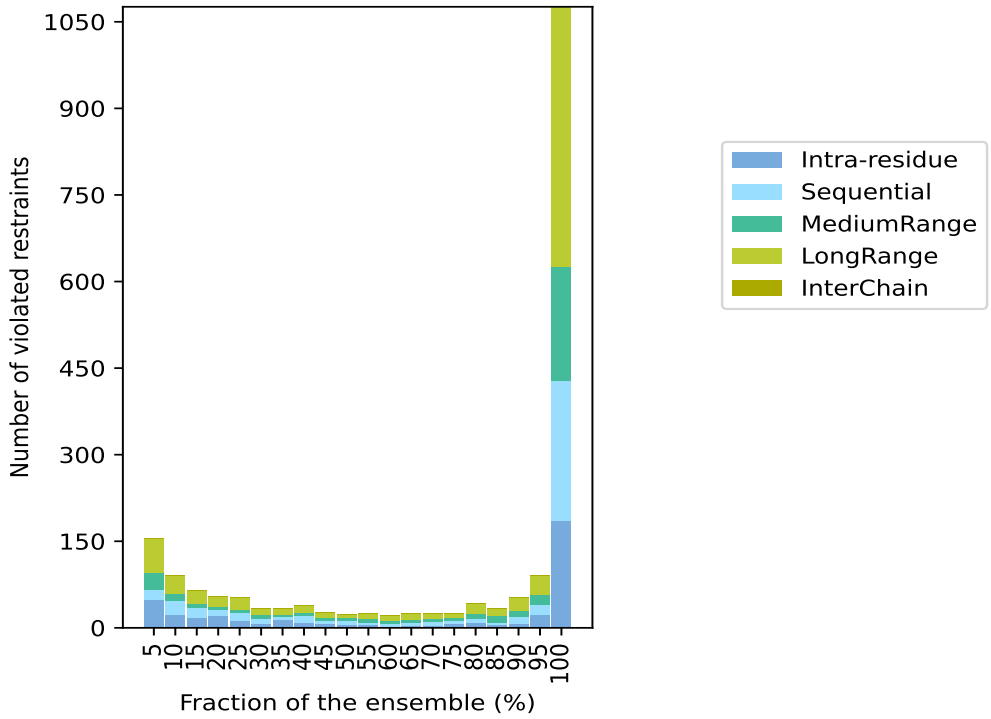
9.3 Distance violation statistics for the ensemble (i)

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, 3514(IR:1190, SQ:621, MR:487, LR:1216, 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]	%
48	17	31	58	0	154	1	5.0
23	24	12	31	0	90	2	10.0
18	16	8	23	0	65	3	15.0
21	11	4	19	0	55	4	20.0
12	14	6	21	0	53	5	25.0
6	10	6	11	0	33	6	30.0
14	5	3	11	0	33	7	35.0
9	12	6	11	0	38	8	40.0
8	4	6	8	0	26	9	45.0
6	6	5	6	0	23	10	50.0
5	5	7	7	0	24	11	55.0
2	6	4	10	0	22	12	60.0
3	5	6	11	0	25	13	65.0
3	8	4	10	0	25	14	70.0
7	6	4	8	0	25	15	75.0
8	8	9	17	0	42	16	80.0
6	2	13	13	0	34	17	85.0
7	13	9	24	0	53	18	90.0
23	16	19	32	0	90	19	95.0
186	241	199	450	0	1076	20	100.0

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

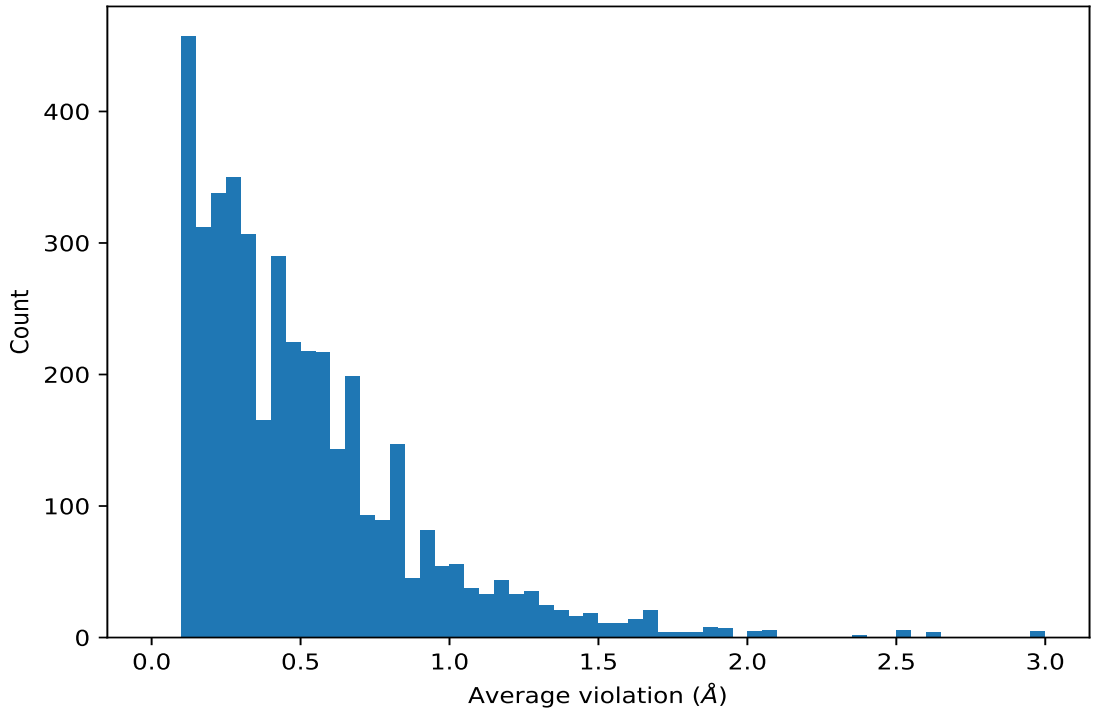
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	20	2.95	0.06	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	20	2.95	0.06	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG22	20	2.95	0.06	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HD11	20	2.95	0.06	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HD12	20	2.95	0.06	2.97
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	20	2.62	0.05	2.62
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	20	2.52	0.16	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG23	20	2.52	0.16	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG22	20	2.52	0.16	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD13	20	2.52	0.16	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD11	20	2.52	0.16	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD12	20	2.52	0.16	2.6
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	20	2.35	0.12	2.37
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HB2	20	2.35	0.12	2.37
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	20	2.08	0.88	2.54
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD11	20	2.08	0.88	2.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD12	20	2.08	0.88	2.54
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	20	2.07	0.2	2.17
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD11	20	2.07	0.2	2.17
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD12	20	2.07	0.2	2.17
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	20	2.03	0.09	2.02
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	20	2.03	0.09	2.02
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD21	20	2.03	0.09	2.02
(1,168)	1:87:A:LEU:HB2	1:89:A:VAL:HG11	20	2.03	0.09	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	20	2.01	0.01	2.02
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	20	1.93	0.22	1.88
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	20	1.93	0.22	1.88
(1,1227)	1:111:A:ASN:HD22	1:89:A:VAL:HG13	20	1.93	0.22	1.88
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD22	20	1.93	0.22	1.88
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	20	1.92	0.03	1.92
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	20	1.92	0.03	1.92
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB3	20	1.92	0.03	1.92
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	20	1.87	0.16	1.84
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	20	1.87	0.16	1.84
(1,706)	1:183:A:THR:HG23	1:180:A:LEU:HB2	20	1.87	0.12	1.85
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	20	1.87	0.12	1.85
(1,706)	1:183:A:THR:HG22	1:180:A:LEU:HB2	20	1.87	0.12	1.85
(1,706)	1:183:A:THR:HG23	1:185:A:GLU:HG3	20	1.87	0.12	1.85
(1,706)	1:183:A:THR:HG22	1:185:A:GLU:HG3	20	1.87	0.12	1.85
(1,706)	1:183:A:THR:HG21	1:185:A:GLU:HG3	20	1.87	0.12	1.85
(1,724)	1:67:A:ALA:HB1	1:65:A:ASN:HB3	20	1.83	0.05	1.84
(1,724)	1:67:A:ALA:HB2	1:65:A:ASN:HB3	20	1.83	0.05	1.84
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	20	1.83	0.05	1.84
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	20	1.82	0.02	1.83
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	20	1.79	0.03	1.8
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	20	1.79	0.03	1.8
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	20	1.79	0.03	1.8
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	20	1.72	0.07	1.74
(1,720)	1:67:A:ALA:HB2	1:64:A:TRP:HB2	20	1.72	0.07	1.74
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	20	1.72	0.07	1.74
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	20	1.72	0.03	1.72
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB3	20	1.7	0.15	1.68
(1,510)	1:85:A:SER:HB2	1:83:A:ALA:HB1	20	1.7	0.15	1.68
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	20	1.7	0.15	1.68
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB2	20	1.7	0.15	1.68
(1,510)	1:85:A:SER:HB3	1:118:A:LYS:HB2	20	1.7	0.15	1.68
(1,510)	1:85:A:SER:HB2	1:83:A:ALA:HB3	20	1.7	0.15	1.68
(1,510)	1:85:A:SER:HB2	1:83:A:ALA:HB2	20	1.7	0.15	1.68

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	20	1.69	0.05	1.7
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	20	1.69	0.05	1.7
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG22	20	1.69	0.05	1.7
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	20	1.69	0.09	1.7
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG23	20	1.69	0.09	1.7
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	20	1.69	0.09	1.7
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG23	20	1.67	0.05	1.68
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	20	1.67	0.05	1.68
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	20	1.67	0.05	1.68
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	20	1.64	0.75	2.07
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	20	1.64	0.75	2.07
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	20	1.64	0.75	2.07
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD22	20	1.61	0.15	1.66
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	20	1.61	0.15	1.66
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	20	1.61	0.15	1.66
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	20	1.61	0.28	1.69
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	20	1.6	0.05	1.62
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	20	1.6	0.05	1.62
(1,689)	1:181:A:VAL:HG12	1:180:A:LEU:HB2	20	1.6	0.05	1.62
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	20	1.59	0.18	1.54
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	20	1.58	0.45	1.67
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG2	20	1.58	0.45	1.67
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD23	20	1.57	0.05	1.58
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	20	1.57	0.05	1.58
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	20	1.57	0.05	1.58
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	20	1.57	0.0	1.57
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	20	1.57	0.09	1.57
(1,204)	1:153:A:ARG:HD2	1:150:A:GLY:HA3	20	1.57	0.09	1.57
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE2	20	1.53	0.27	1.65
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	20	1.53	0.27	1.65
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE1	20	1.53	0.27	1.65
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	20	1.52	0.04	1.5
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB3	20	1.52	0.04	1.5
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	20	1.52	0.04	1.5
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	20	1.52	0.02	1.52
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	20	1.52	0.05	1.52
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	20	1.52	0.05	1.52
(1,755)	1:103:A:ALA:HB3	1:104:A:GLU:HB3	20	1.52	0.05	1.52
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	20	1.49	0.19	1.47
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	20	1.49	0.19	1.47
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	20	1.49	0.19	1.47
(1,304)	1:111:A:ASN:HB2	1:121:A:LEU:HD21	20	1.49	0.19	1.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,769)	1:151:A:ILE:HD13	1:150:A:GLY:H	20	1.49	0.16	1.56
(1,769)	1:151:A:ILE:HD13	1:91:A:SER:H	20	1.49	0.16	1.56
(1,769)	1:151:A:ILE:HD11	1:144:A:THR:H	20	1.49	0.16	1.56
(1,769)	1:151:A:ILE:HD12	1:150:A:GLY:H	20	1.49	0.16	1.56
(1,769)	1:151:A:ILE:HD12	1:91:A:SER:H	20	1.49	0.16	1.56
(1,769)	1:151:A:ILE:HD11	1:150:A:GLY:H	20	1.49	0.16	1.56
(1,769)	1:151:A:ILE:HD12	1:144:A:THR:H	20	1.49	0.16	1.56
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	20	1.47	0.03	1.48
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	20	1.46	0.37	1.64
(1,463)	1:142:A:LEU:HD11	1:149:A:ILE:HA	20	1.46	0.37	1.64
(1,463)	1:142:A:LEU:HD12	1:149:A:ILE:HA	20	1.46	0.37	1.64
(1,463)	1:142:A:LEU:HD12	1:151:A:ILE:HA	20	1.46	0.37	1.64
(1,463)	1:142:A:LEU:HD13	1:151:A:ILE:HA	20	1.46	0.37	1.64
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	20	1.46	0.02	1.46
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	20	1.45	0.07	1.44
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	20	1.45	0.07	1.44
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	20	1.45	0.07	1.44
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	20	1.45	0.04	1.45
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	20	1.45	0.04	1.45
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB1	20	1.45	0.04	1.45
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	20	1.43	0.03	1.42
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	20	1.43	0.15	1.39
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	20	1.42	0.02	1.42
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	20	1.42	0.02	1.42
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG12	20	1.42	0.02	1.42
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	20	1.41	0.08	1.43
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	20	1.4	0.04	1.41
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	20	1.4	0.04	1.41
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	20	1.4	0.04	1.41
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	20	1.4	0.12	1.38
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG11	20	1.39	0.04	1.39
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG13	20	1.39	0.04	1.39
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG12	20	1.39	0.04	1.39
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG23	20	1.39	0.04	1.39
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG21	20	1.39	0.04	1.39
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG22	20	1.39	0.04	1.39
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	20	1.38	0.25	1.5
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	20	1.38	0.06	1.38
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	20	1.34	0.55	1.14
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	20	1.33	0.06	1.34
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD21	20	1.33	0.06	1.34
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD11	20	1.33	0.06	1.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD12	20	1.33	0.06	1.34
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD23	20	1.33	0.06	1.34
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD13	20	1.33	0.06	1.34
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	20	1.32	0.46	1.37
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	20	1.32	1.05	0.7
(1,3532)	1:105:A:ALA:HB2	1:61:A:HIS:HD2	20	1.32	1.05	0.7
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	20	1.32	1.05	0.7
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	20	1.31	0.14	1.35
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	20	1.31	0.14	1.35
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD12	20	1.31	0.14	1.35
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	20	1.31	0.13	1.34
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	20	1.31	0.03	1.3
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	20	1.31	0.03	1.3
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG12	20	1.31	0.03	1.3
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	20	1.31	0.02	1.31
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	20	1.3	0.03	1.3
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	20	1.3	0.03	1.3
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB3	20	1.3	0.03	1.3
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	20	1.28	0.04	1.28
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG12	20	1.28	0.03	1.29
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG12	20	1.28	0.03	1.29
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	20	1.28	0.03	1.29
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG13	20	1.28	0.03	1.29
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG11	20	1.28	0.03	1.29
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG11	20	1.28	0.03	1.29
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	20	1.28	0.07	1.27
(1,738)	1:78:A:ALA:HB3	1:187:A:ILE:HB	20	1.28	0.07	1.27
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	20	1.28	0.07	1.27
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	20	1.28	0.24	1.38
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	20	1.27	0.06	1.29
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	20	1.27	0.1	1.25
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	20	1.27	0.1	1.25
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD23	20	1.27	0.1	1.25
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD11	20	1.27	0.1	1.25
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD12	20	1.27	0.1	1.25
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD13	20	1.27	0.1	1.25
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	20	1.27	0.09	1.25
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	20	1.27	0.09	1.25
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB1	20	1.27	0.09	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	20	1.26	0.03	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	20	1.26	0.03	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB3	20	1.26	0.03	1.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB1	20	1.26	0.03	1.26
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB3	20	1.26	0.03	1.26
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB3	20	1.26	0.03	1.26
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB2	20	1.26	0.03	1.26
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB1	20	1.26	0.03	1.26
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB2	20	1.26	0.03	1.26
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	20	1.26	0.05	1.26
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	20	1.25	0.03	1.25
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB1	20	1.25	0.03	1.25
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB2	20	1.25	0.03	1.25
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	20	1.25	0.02	1.25
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	20	1.24	0.05	1.25
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	20	1.24	0.02	1.24
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	20	1.24	0.04	1.25
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	20	1.24	0.04	1.25
(1,716)	1:92:A:VAL:HG22	1:107:A:GLU:HA	20	1.24	0.04	1.25
(1,716)	1:92:A:VAL:HG22	1:141:A:SER:HB2	20	1.24	0.04	1.25
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	20	1.24	0.26	1.34
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	20	1.21	0.02	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	20	1.21	0.02	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	20	1.21	0.02	1.22
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	20	1.21	0.06	1.23
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	20	1.21	0.06	1.23
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	20	1.21	0.06	1.23
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB1	20	1.21	0.06	1.23
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB1	20	1.21	0.06	1.23
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB2	20	1.21	0.06	1.23
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB3	20	1.21	0.06	1.23
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	20	1.21	0.07	1.19
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	20	1.2	0.24	1.26
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE3	20	1.19	0.04	1.19
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE3	20	1.19	0.04	1.19
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE1	20	1.19	0.04	1.19
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE1	20	1.19	0.04	1.19
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE3	20	1.19	0.04	1.19
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE1	20	1.19	0.04	1.19
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	20	1.19	0.34	1.13
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	20	1.19	0.03	1.19
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD23	20	1.19	0.03	1.19
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD21	20	1.19	0.03	1.19
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	20	1.19	0.03	1.19
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	20	1.19	0.03	1.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	20	1.18	0.16	1.22
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	20	1.18	0.16	1.22
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG12	20	1.18	0.06	1.18
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG13	20	1.18	0.06	1.18
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG13	20	1.18	0.06	1.18
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG11	20	1.18	0.06	1.18
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG12	20	1.18	0.06	1.18
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG11	20	1.18	0.06	1.18
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	20	1.17	0.03	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	20	1.17	0.03	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG13	20	1.17	0.03	1.16
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	20	1.17	0.02	1.17
(1,741)	1:78:A:ALA:HB1	1:188:A:TRP:HE3	20	1.17	0.02	1.17
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	20	1.17	0.02	1.17
(1,741)	1:78:A:ALA:HB1	1:159:A:TYR:HE2	20	1.17	0.02	1.17
(1,741)	1:78:A:ALA:HB3	1:159:A:TYR:HE2	20	1.17	0.02	1.17
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	20	1.16	0.06	1.16
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	20	1.16	0.13	1.15
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HG23	20	1.16	0.13	1.15
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	20	1.16	0.13	1.15
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD13	20	1.16	0.13	1.15
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	20	1.16	0.13	1.15
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	20	1.16	0.13	1.15
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD11	20	1.16	0.13	1.15
(1,1058)	1:111:A:ASN:H	1:121:A:LEU:HD21	20	1.16	0.13	1.15
(1,1058)	1:111:A:ASN:H	1:121:A:LEU:HD23	20	1.16	0.13	1.15
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG11	20	1.16	0.13	1.15
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	20	1.16	0.13	1.15
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	20	1.16	0.13	1.15
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	20	1.15	0.05	1.15
(1,651)	1:133:A:GLN:HG2	1:130:A:ALA:HB3	20	1.14	0.67	0.72
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB2	20	1.14	0.67	0.72
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB1	20	1.14	0.67	0.72
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB2	20	1.14	0.67	0.72
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB3	20	1.14	0.67	0.72
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB3	20	1.14	0.67	0.72
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB1	20	1.14	0.67	0.72
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	20	1.13	0.04	1.12
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	20	1.12	0.05	1.12
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	20	1.12	0.05	1.12
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD13	20	1.12	0.05	1.12
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	20	1.12	0.03	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD22	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD21	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD22	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD23	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD21	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD21	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD23	20	1.12	0.03	1.12
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD23	20	1.12	0.03	1.12
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	20	1.11	0.06	1.1
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	20	1.11	0.03	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	20	1.11	0.03	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB2	20	1.11	0.03	1.11
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	20	1.1	0.23	1.12
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	20	1.1	0.3	1.23
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG22	20	1.1	0.3	1.23
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	20	1.1	0.3	1.23
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	20	1.1	0.06	1.08
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	20	1.09	0.33	1.03
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD11	20	1.09	0.33	1.03
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD12	20	1.09	0.33	1.03
(1,869)	1:127:A:LEU:HD13	1:129:A:MET:H	20	1.09	0.74	0.53
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	20	1.09	0.74	0.53
(1,869)	1:127:A:LEU:HD11	1:122:A:VAL:H	20	1.09	0.74	0.53
(1,869)	1:127:A:LEU:HD12	1:129:A:MET:H	20	1.09	0.74	0.53
(1,869)	1:127:A:LEU:HD12	1:122:A:VAL:H	20	1.09	0.74	0.53
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	20	1.08	0.04	1.08
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	20	1.08	0.04	1.08
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG11	20	1.08	0.04	1.08
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	20	1.08	0.01	1.08
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	20	1.08	0.1	1.1
(1,72)	1:146:A:SER:HB3	1:149:A:ILE:HB	20	1.08	0.1	1.1
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG13	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG12	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG13	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG13	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG11	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG11	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG11	20	1.07	0.09	1.08
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG12	20	1.07	0.09	1.08
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	20	1.07	0.09	1.04
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD23	20	1.07	0.02	1.07
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	20	1.07	0.02	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	20	1.07	0.02	1.07
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	20	1.07	0.05	1.08
(1,671)	1:179:A:MET:HG3	1:145:A:ARG:HG2	20	1.07	0.05	1.08
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	20	1.06	0.01	1.06
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	20	1.06	0.02	1.07
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	20	1.05	0.01	1.05
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	20	1.05	0.02	1.06
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	20	1.05	0.02	1.05
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	20	1.05	0.07	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	20	1.05	0.07	1.07
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	20	1.04	0.04	1.04
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	20	1.04	0.04	1.04
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	20	1.04	0.04	1.04
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	20	1.04	0.46	1.31
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	20	1.03	0.01	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB2	20	1.03	0.01	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	20	1.03	0.01	1.03
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD21	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD21	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD22	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD23	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD22	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD23	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD21	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD23	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD22	20	1.03	0.08	1.03
(1,438)	1:178:A:LEU:HD12	1:72:A:VAL:HG12	20	1.03	0.08	1.03
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD12	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD13	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD12	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD13	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD11	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD13	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD11	20	1.03	0.09	1.05
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD12	20	1.03	0.09	1.05
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	20	1.02	0.01	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	20	1.02	0.01	1.02
(1,1001)	1:126:A:GLN:H	1:127:A:LEU:HB2	20	1.02	0.14	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	20	1.02	0.14	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB3	20	1.02	0.14	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB2	20	1.02	0.14	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	20	1.02	0.19	1.02
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	20	1.02	0.04	1.01
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	20	1.02	0.04	1.01
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB3	20	1.02	0.04	1.01
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	20	1.02	0.03	1.02
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	20	1.01	0.04	1.0
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB3	20	1.01	0.04	1.0
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	20	1.01	0.04	1.0
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	20	1.01	0.05	1.01
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	20	1.01	0.05	1.01
(1,719)	1:92:A:VAL:HG23	1:175:A:GLN:H	20	1.01	0.05	1.01
(1,3243)	1:81:A:VAL:HG13	1:119:A:PHE:HE2	20	1.0	0.12	1.04
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	20	1.0	0.12	1.04
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE1	20	1.0	0.12	1.04
(1,3243)	1:81:A:VAL:HG12	1:119:A:PHE:HE2	20	1.0	0.12	1.04
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	20	1.0	0.28	0.97
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	20	1.0	0.28	0.97
(1,3805)	1:142:A:LEU:HD23	1:162:A:TYR:HE1	20	1.0	0.28	0.97
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	20	0.99	0.18	1.01
(1,517)	1:195:A:SER:HB3	1:62:A:TYR:HD1	20	0.99	0.18	1.01
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	20	0.99	0.03	0.99
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	20	0.99	0.03	0.99
(1,893)	1:86:A:VAL:HG11	1:157:A:ALA:H	20	0.99	0.03	0.99
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	20	0.99	0.05	1.0
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	20	0.99	0.05	1.0
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	20	0.99	0.05	1.0
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	20	0.99	0.1	1.0
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	20	0.99	0.29	0.83
(1,3422)	1:176:A:MET:HE1	1:68:A:MET:HG3	20	0.99	0.29	0.83
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	20	0.98	0.03	0.98
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	20	0.98	0.03	0.98
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB3	20	0.98	0.03	0.98
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD13	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD11	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD13	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD11	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD12	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD13	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD11	20	0.98	0.09	1.0
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD12	20	0.98	0.09	1.0
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	20	0.98	0.06	1.0
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	20	0.97	0.01	0.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	20	0.97	0.13	0.96
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	20	0.97	0.13	0.96
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	20	0.97	0.13	0.96
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD13	20	0.97	0.13	0.96
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	20	0.97	0.13	0.96
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD11	20	0.97	0.13	0.96
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	20	0.97	0.15	0.98
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	20	0.97	0.15	0.98
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD11	20	0.97	0.15	0.98
(1,513)	1:138:A:PRO:HA	1:142:A:LEU:HD21	20	0.97	0.15	0.98
(1,513)	1:138:A:PRO:HA	1:142:A:LEU:HD23	20	0.97	0.15	0.98
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	20	0.97	0.12	0.92
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	20	0.97	0.01	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB2	20	0.97	0.01	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	20	0.97	0.01	0.97
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	20	0.96	0.06	0.95
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	20	0.96	0.07	0.96
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	20	0.96	0.07	0.96
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD11	20	0.96	0.07	0.96
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	20	0.96	0.12	0.94
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	20	0.96	0.12	0.94
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	20	0.96	0.12	0.94
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	20	0.96	0.03	0.96
(1,961)	1:147:A:LYS:H	1:148:A:ALA:HB1	20	0.96	0.03	0.96
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	20	0.96	0.03	0.96
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	20	0.96	0.03	0.96
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	20	0.96	0.03	0.96
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	20	0.95	0.04	0.95
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG11	20	0.95	0.04	0.95
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	20	0.95	0.04	0.95
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	20	0.95	0.01	0.95
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	20	0.95	0.01	0.95
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	20	0.95	0.01	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	20	0.95	0.02	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	20	0.95	0.02	0.95
(1,162)	1:150:A:GLY:HA3	1:134:A:LEU:HD22	20	0.95	0.02	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	20	0.95	0.02	0.95
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	20	0.95	0.17	1.02
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	20	0.95	0.17	1.02
(1,714)	1:92:A:VAL:HG21	1:109:A:LEU:HB2	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG23	1:109:A:LEU:HB2	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	20	0.95	0.2	0.98

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB3	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB3	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB2	20	0.95	0.2	0.98
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB1	20	0.95	0.2	0.98
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	20	0.95	0.05	0.94
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	20	0.94	0.03	0.93
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	20	0.94	0.03	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	20	0.94	0.01	0.94
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	20	0.93	0.03	0.93
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	20	0.93	0.03	0.93
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG11	20	0.93	0.03	0.93
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG21	20	0.93	0.03	0.94
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	20	0.93	0.03	0.94
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	20	0.93	0.03	0.94
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	20	0.93	0.03	0.94
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG23	20	0.93	0.03	0.93
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	20	0.93	0.03	0.93
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	20	0.93	0.03	0.93
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	20	0.93	0.13	0.9
(1,710)	1:82:A:THR:HB	1:81:A:VAL:HG22	20	0.93	0.13	0.9
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG21	20	0.93	0.13	0.9
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG23	20	0.93	0.13	0.9
(1,710)	1:82:A:THR:HB	1:81:A:VAL:HG23	20	0.93	0.13	0.9
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	20	0.92	0.02	0.92
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB3	20	0.92	0.02	0.92
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB1	20	0.92	0.02	0.92
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	20	0.92	0.05	0.92
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	20	0.92	0.05	0.92
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	20	0.92	0.05	0.92
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	20	0.92	0.13	0.92
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	20	0.91	0.08	0.88
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	20	0.91	0.03	0.9
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB3	20	0.91	0.03	0.9
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	20	0.91	0.03	0.9
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	20	0.91	0.1	0.92
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	20	0.91	0.1	0.92
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD13	20	0.91	0.1	0.92
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	20	0.9	0.05	0.9
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	20	0.9	0.05	0.9

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG13	20	0.9	0.05	0.9
(1,214)	1:88:A:LEU:HB3	1:160:A:VAL:HG13	20	0.9	0.05	0.9
(1,214)	1:88:A:LEU:HB3	1:160:A:VAL:HG11	20	0.9	0.05	0.9
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB3	20	0.9	0.49	1.09
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB1	20	0.9	0.49	1.09
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	20	0.9	0.49	1.09
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	20	0.9	0.49	1.09
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	20	0.9	0.13	0.9
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	20	0.9	0.09	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	20	0.89	0.05	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB2	20	0.89	0.05	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	20	0.89	0.05	0.9
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	20	0.89	0.03	0.9
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	20	0.89	0.03	0.9
(1,842)	1:130:A:ALA:HB2	1:155:A:VAL:HB	20	0.89	0.03	0.9
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	20	0.89	0.06	0.88
(1,236)	1:137:A:SER:HB3	1:136:A:LEU:HB2	20	0.89	0.06	0.88
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	20	0.89	0.06	0.88
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	20	0.89	0.06	0.88
(1,3238)	1:81:A:VAL:HG23	1:119:A:PHE:HD1	20	0.89	0.06	0.88
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	20	0.88	0.06	0.88
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	20	0.88	0.06	0.88
(1,717)	1:92:A:VAL:HG23	1:162:A:TYR:HA	20	0.88	0.06	0.88
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	20	0.87	0.09	0.87
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	20	0.87	0.09	0.87
(1,773)	1:151:A:ILE:HD13	1:134:A:LEU:HA	20	0.87	0.09	0.87
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	20	0.87	0.17	0.76
(1,795)	1:176:A:MET:HE1	1:68:A:MET:H	20	0.87	0.17	0.76
(1,795)	1:176:A:MET:HE3	1:69:A:GLN:H	20	0.87	0.17	0.76
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	20	0.87	0.04	0.88
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	20	0.87	0.04	0.88
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	20	0.87	0.04	0.88
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	20	0.87	0.19	0.79
(1,1267)	1:117:A:GLY:H	1:113:A:LEU:HD12	20	0.87	0.19	0.79
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	20	0.87	0.19	0.79
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	20	0.87	0.19	0.79
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	20	0.87	0.09	0.84
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	20	0.87	0.09	0.84
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	20	0.86	0.15	0.9
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	20	0.86	0.04	0.86
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	20	0.86	0.04	0.86
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	20	0.86	0.04	0.86

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	20	0.86	0.42	0.68
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	20	0.86	0.42	0.68
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG12	20	0.86	0.42	0.68
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	20	0.86	0.05	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	20	0.86	0.01	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	20	0.86	0.01	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG12	20	0.86	0.01	0.86
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	20	0.86	0.14	0.9
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD2	20	0.86	0.14	0.9
(1,490)	1:181:A:VAL:HA	1:182:A:GLN:HA	20	0.85	0.01	0.86
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	20	0.85	0.01	0.86
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	20	0.85	0.07	0.86
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	20	0.85	0.07	0.86
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG22	20	0.85	0.07	0.86
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	20	0.85	0.04	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	20	0.85	0.04	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG11	20	0.85	0.04	0.85
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	20	0.85	0.05	0.85
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	20	0.84	0.03	0.84
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	20	0.84	0.03	0.84
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD22	20	0.84	0.03	0.84
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	20	0.84	0.15	0.86
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	20	0.84	0.02	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	20	0.84	0.02	0.85
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	20	0.84	0.02	0.84
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	20	0.84	0.02	0.84
(1,796)	1:181:A:VAL:HG13	1:152:A:ALA:H	20	0.84	0.02	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD21	20	0.83	0.03	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	20	0.83	0.03	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	20	0.83	0.03	0.84
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	20	0.83	0.11	0.8
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	20	0.83	0.08	0.84
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	20	0.83	0.08	0.84
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD11	20	0.83	0.08	0.84
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD22	20	0.83	0.08	0.84
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	20	0.83	0.03	0.83
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	20	0.83	0.03	0.83
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD21	20	0.83	0.03	0.83
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	20	0.83	0.1	0.86
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE1	20	0.83	0.1	0.86
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	20	0.83	0.03	0.82
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG12	20	0.83	0.03	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG11	20	0.83	0.03	0.82
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG11	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG11	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD12	1:92:A:VAL:HG12	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG12	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG13	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG13	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG12	20	0.83	0.06	0.84
(1,3310)	1:100:A:LEU:HD12	1:92:A:VAL:HG13	20	0.83	0.06	0.84
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	20	0.83	0.19	0.78
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	20	0.83	0.19	0.78
(1,474)	1:81:A:VAL:HG21	1:188:A:TRP:HB2	20	0.83	0.19	0.78
(1,474)	1:81:A:VAL:HG21	1:118:A:LYS:HE2	20	0.83	0.19	0.78
(1,474)	1:81:A:VAL:HG22	1:188:A:TRP:HB2	20	0.83	0.19	0.78
(1,474)	1:81:A:VAL:HG23	1:188:A:TRP:HB2	20	0.83	0.19	0.78
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	20	0.83	0.06	0.85
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE3	20	0.83	0.05	0.84
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	20	0.83	0.05	0.84
(1,2698)	1:108:A:THR:HG21	1:68:A:MET:HE2	20	0.83	0.05	0.84
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	20	0.83	0.05	0.84
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	20	0.82	0.05	0.82
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD12	20	0.82	0.05	0.82
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD11	20	0.82	0.05	0.82
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	20	0.82	0.02	0.82
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	20	0.82	0.05	0.82
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	20	0.82	0.05	0.82
(1,707)	1:108:A:THR:HG21	1:68:A:MET:H	20	0.82	0.05	0.82
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	20	0.82	0.08	0.84
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	20	0.82	0.08	0.84
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	20	0.82	0.08	0.84
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	20	0.82	0.22	0.74
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB3	20	0.82	0.22	0.74
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	20	0.82	0.22	0.74
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	20	0.82	0.07	0.82
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	20	0.82	0.07	0.82
(1,715)	1:92:A:VAL:HG21	1:109:A:LEU:HA	20	0.82	0.07	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	20	0.82	0.01	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	20	0.82	0.01	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG23	20	0.82	0.01	0.82
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	20	0.82	0.08	0.8
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	20	0.81	0.05	0.81
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG2	20	0.81	0.16	0.78

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	20	0.81	0.16	0.78
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	20	0.81	0.16	0.78
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	20	0.81	0.27	0.76
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	20	0.81	0.01	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB2	20	0.81	0.01	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	20	0.81	0.01	0.81
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	20	0.81	0.03	0.81
(1,3263)	1:194:A:VAL:HG22	1:68:A:MET:HE3	20	0.81	0.03	0.81
(1,3263)	1:194:A:VAL:HG21	1:68:A:MET:HE3	20	0.81	0.03	0.81
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	20	0.81	0.48	0.77
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE2	20	0.81	0.48	0.77
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	20	0.81	0.18	0.86
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	20	0.8	0.02	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	20	0.8	0.02	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB3	20	0.8	0.02	0.81
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	20	0.8	0.01	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG13	20	0.8	0.01	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	20	0.8	0.01	0.8
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	20	0.8	0.25	0.92
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG21	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG23	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG21	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG21	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG22	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG22	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG22	20	0.8	0.04	0.8
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG23	20	0.8	0.04	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	20	0.8	0.01	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB2	20	0.8	0.01	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	20	0.8	0.01	0.8
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	20	0.8	0.03	0.8
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	20	0.8	0.03	0.8
(1,3260)	1:81:A:VAL:HG11	1:188:A:TRP:H	20	0.8	0.03	0.8
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	20	0.8	0.59	0.76
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	20	0.8	0.08	0.78
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	20	0.8	0.08	0.78
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	20	0.8	0.08	0.78
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	20	0.8	0.04	0.8
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	20	0.8	0.04	0.8
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG13	20	0.8	0.04	0.8
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	20	0.8	0.02	0.79
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB3	20	0.8	0.02	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB1	20	0.8	0.02	0.79
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	20	0.8	0.1	0.82
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	20	0.8	0.65	0.66
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	20	0.8	0.65	0.66
(1,2650)	1:76:A:LEU:HD21	1:83:A:ALA:H	20	0.8	0.65	0.66
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	20	0.79	0.1	0.82
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	20	0.79	0.04	0.8
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	20	0.79	0.04	0.8
(1,703)	1:88:A:LEU:HD21	1:160:A:VAL:HA	20	0.79	0.04	0.8
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	20	0.79	0.13	0.76
(1,1199)	1:170:A:ASN:H	1:97:A:ASN:HD22	20	0.79	0.13	0.76
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	20	0.79	0.03	0.8
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	20	0.79	0.03	0.8
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG22	20	0.79	0.03	0.8
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	20	0.79	0.03	0.79
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	20	0.79	0.06	0.78
(1,3381)	1:92:A:VAL:HG12	1:68:A:MET:HE1	20	0.79	0.06	0.78
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	20	0.79	0.06	0.78
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	20	0.79	0.26	0.63
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	20	0.79	0.26	0.63
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG21	20	0.79	0.26	0.63
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	20	0.79	0.01	0.79
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	20	0.78	0.25	0.71
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	20	0.78	0.25	0.71
(1,1226)	1:111:A:ASN:HD21	1:109:A:LEU:HD21	20	0.78	0.25	0.71
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD22	20	0.78	0.25	0.71
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	20	0.78	0.04	0.78
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	20	0.78	0.04	0.78
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB2	20	0.78	0.04	0.78
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD21	20	0.78	0.21	0.85
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG12	20	0.78	0.21	0.85
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD22	20	0.78	0.21	0.85
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	20	0.78	0.21	0.85
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG13	20	0.78	0.21	0.85
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD23	20	0.78	0.21	0.85
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	20	0.78	0.02	0.78
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	20	0.78	0.02	0.78
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	20	0.78	0.16	0.82
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG12	20	0.78	0.16	0.82
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG11	20	0.78	0.16	0.82
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD11	20	0.78	0.16	0.82
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG13	20	0.78	0.16	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD13	20	0.78	0.16	0.82
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	20	0.78	0.06	0.79
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD21	20	0.77	0.13	0.82
(1,512)	1:85:A:SER:HB2	1:87:A:LEU:HD21	20	0.77	0.13	0.82
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	20	0.77	0.13	0.82
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD23	20	0.77	0.13	0.82
(1,512)	1:85:A:SER:HB2	1:87:A:LEU:HD22	20	0.77	0.13	0.82
(1,512)	1:85:A:SER:HB2	1:87:A:LEU:HD23	20	0.77	0.13	0.82
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	20	0.77	0.08	0.8
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	20	0.77	0.08	0.8
(1,771)	1:151:A:ILE:HD11	1:154:A:ASN:HD22	20	0.77	0.08	0.8
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	20	0.77	0.05	0.77
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	20	0.77	0.05	0.77
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE2	20	0.77	0.05	0.77
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG13	20	0.77	0.02	0.78
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG12	20	0.77	0.02	0.78
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG13	20	0.77	0.02	0.78
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG11	20	0.77	0.02	0.78
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG11	20	0.77	0.02	0.78
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG13	20	0.77	0.02	0.78
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG12	20	0.77	0.02	0.78
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	20	0.76	0.09	0.8
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG22	20	0.76	0.1	0.76
(1,511)	1:85:A:SER:HB2	1:82:A:THR:HG21	20	0.76	0.1	0.76
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	20	0.76	0.1	0.76
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG23	20	0.76	0.1	0.76
(1,511)	1:85:A:SER:HB2	1:82:A:THR:HG23	20	0.76	0.1	0.76
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	20	0.76	0.02	0.76
(1,867)	1:68:A:MET:HE1	1:92:A:VAL:HB	20	0.76	0.02	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	20	0.76	0.0	0.76
(1,3372)	1:68:A:MET:HE3	1:64:A:TRP:HB2	20	0.76	0.04	0.76
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	20	0.76	0.04	0.76
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	20	0.76	0.04	0.76
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	20	0.75	0.05	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	20	0.75	0.05	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD12	20	0.75	0.05	0.74
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG21	20	0.75	0.04	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	20	0.75	0.04	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	20	0.75	0.04	0.75
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	20	0.75	0.12	0.76
(1,3557)	1:187:A:ILE:HD12	1:78:A:ALA:HA	20	0.75	0.12	0.76
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	20	0.75	0.12	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	20	0.74	0.03	0.75
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	20	0.74	0.03	0.75
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG21	20	0.74	0.03	0.75
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	20	0.74	0.18	0.68
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	20	0.74	0.18	0.68
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD12	20	0.74	0.18	0.68
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	20	0.74	0.04	0.74
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	20	0.74	0.04	0.74
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	20	0.74	0.04	0.74
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	20	0.74	0.05	0.74
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	20	0.74	0.05	0.74
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	20	0.74	0.05	0.74
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	20	0.74	0.08	0.74
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	20	0.74	0.08	0.74
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB2	20	0.74	0.08	0.74
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD21	20	0.74	0.03	0.74
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	20	0.74	0.03	0.74
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	20	0.74	0.03	0.74
(1,240)	1:134:A:LEU:HB2	1:136:A:LEU:HD11	20	0.74	0.03	0.74
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD22	20	0.74	0.07	0.73
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	20	0.74	0.07	0.73
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	20	0.74	0.07	0.73
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG12	20	0.73	0.07	0.76
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG11	20	0.73	0.07	0.76
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG13	20	0.73	0.07	0.76
(1,688)	1:181:A:VAL:HG13	1:179:A:MET:HE1	20	0.73	0.07	0.76
(1,688)	1:181:A:VAL:HG11	1:179:A:MET:HE3	20	0.73	0.07	0.76
(1,688)	1:181:A:VAL:HG12	1:179:A:MET:HE3	20	0.73	0.07	0.76
(1,688)	1:181:A:VAL:HG12	1:179:A:MET:HE1	20	0.73	0.07	0.76
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	20	0.73	0.11	0.75
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	20	0.73	0.11	0.75
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	20	0.73	0.11	0.75
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	20	0.73	0.08	0.7
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD12	20	0.73	0.08	0.7
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD13	20	0.73	0.08	0.7
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD22	20	0.73	0.08	0.7
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD23	20	0.73	0.08	0.7
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	20	0.73	0.05	0.74
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	20	0.73	0.06	0.72
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	20	0.73	0.06	0.72
(1,3242)	1:81:A:VAL:HG11	1:159:A:TYR:HE2	20	0.73	0.06	0.72
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	20	0.73	0.09	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB3	20	0.73	0.09	0.74
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	20	0.73	0.09	0.74
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	20	0.73	0.06	0.72
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	20	0.73	0.06	0.72
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB3	20	0.73	0.06	0.72
(1,802)	1:127:A:LEU:HG	1:106:A:THR:HG22	20	0.73	0.06	0.72
(1,802)	1:127:A:LEU:HG	1:106:A:THR:HG21	20	0.73	0.06	0.72
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	20	0.73	0.05	0.74
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	20	0.73	0.05	0.74
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	20	0.73	0.07	0.74
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	20	0.73	0.07	0.74
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG22	20	0.73	0.07	0.74
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	20	0.72	0.04	0.72
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	20	0.72	0.04	0.72
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	20	0.72	0.04	0.72
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG2	20	0.72	0.23	0.64
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	20	0.72	0.23	0.64
(1,18)	1:106:A:THR:HB	1:107:A:GLU:HG3	20	0.72	0.23	0.64
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	20	0.72	0.03	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	20	0.72	0.01	0.72
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	20	0.72	0.03	0.72
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	20	0.72	0.03	0.72
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	20	0.72	0.03	0.72
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG21	20	0.72	0.03	0.72
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	20	0.71	0.04	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	20	0.71	0.04	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	20	0.71	0.04	0.74
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	20	0.71	0.04	0.72
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	20	0.71	0.04	0.72
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB1	20	0.71	0.04	0.72
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	20	0.71	0.09	0.7
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	20	0.71	0.01	0.71
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	20	0.71	0.04	0.73
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	20	0.71	0.03	0.7
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	20	0.71	0.1	0.74
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	20	0.71	0.06	0.7
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	20	0.71	0.06	0.7
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD12	20	0.71	0.06	0.7
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	20	0.71	0.05	0.7
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB3	20	0.71	0.05	0.7
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	20	0.71	0.05	0.7
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	20	0.71	0.03	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	20	0.71	0.03	0.7
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG23	20	0.71	0.03	0.7
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	20	0.7	0.08	0.74
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	20	0.7	0.08	0.74
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB3	20	0.7	0.08	0.74
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	20	0.7	0.06	0.71
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	20	0.7	0.06	0.71
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG22	20	0.7	0.06	0.71
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	20	0.7	0.04	0.7
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	20	0.7	0.03	0.7
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	20	0.7	0.03	0.7
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD22	20	0.7	0.03	0.7
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	20	0.7	0.14	0.66
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD12	20	0.7	0.14	0.66
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD13	20	0.7	0.14	0.66
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD22	20	0.7	0.14	0.66
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD23	20	0.7	0.14	0.66
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	20	0.7	0.03	0.7
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD13	20	0.7	0.03	0.7
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	20	0.7	0.03	0.7
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	20	0.7	0.12	0.77
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD11	20	0.7	0.02	0.7
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD12	20	0.7	0.02	0.7
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD11	20	0.7	0.02	0.7
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD13	20	0.7	0.02	0.7
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD12	20	0.7	0.02	0.7
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD13	20	0.7	0.02	0.7
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	20	0.7	0.04	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	20	0.7	0.04	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD21	20	0.7	0.04	0.69
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	20	0.69	0.03	0.7
(1,3286)	1:67:A:ALA:HB2	1:64:A:TRP:HZ3	20	0.69	0.03	0.7
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	20	0.69	0.03	0.7
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG21	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG23	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG22	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG21	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG21	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG23	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG22	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG23	20	0.69	0.04	0.7
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG22	20	0.69	0.04	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	20	0.69	0.05	0.7
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	20	0.69	0.05	0.7
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD12	20	0.69	0.05	0.7
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	20	0.69	0.04	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	20	0.69	0.04	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD22	20	0.69	0.04	0.69
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	20	0.69	0.03	0.69
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB3	20	0.69	0.03	0.69
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	20	0.69	0.03	0.69
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	20	0.69	0.4	0.57
(1,48)	1:85:A:SER:HB2	1:76:A:LEU:HD23	20	0.69	0.4	0.57
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	20	0.69	0.4	0.57
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD22	20	0.69	0.4	0.57
(1,48)	1:85:A:SER:HB2	1:76:A:LEU:HD21	20	0.69	0.4	0.57
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	20	0.69	0.02	0.7
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD11	20	0.69	0.02	0.7
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	20	0.69	0.02	0.7
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	20	0.69	0.02	0.68
(1,3417)	1:187:A:ILE:HG22	1:185:A:GLU:HA	20	0.69	0.02	0.68
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	20	0.69	0.02	0.68
(1,469)	1:86:A:VAL:HG23	1:88:A:LEU:HA	20	0.69	0.05	0.68
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	20	0.69	0.05	0.68
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	20	0.69	0.05	0.68
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	20	0.69	0.04	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	20	0.69	0.04	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG22	20	0.69	0.04	0.67
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB3	20	0.68	0.04	0.68
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	20	0.68	0.04	0.68
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	20	0.68	0.04	0.68
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	20	0.68	0.03	0.68
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD11	20	0.68	0.03	0.68
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD12	20	0.68	0.03	0.68
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	20	0.68	0.02	0.68
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	20	0.68	0.02	0.68
(1,3318)	1:92:A:VAL:HG11	1:106:A:THR:HG1	20	0.68	0.02	0.68
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	20	0.68	0.02	0.68
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	20	0.68	0.01	0.68
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	20	0.68	0.04	0.69
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB2	20	0.68	0.04	0.69
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	20	0.68	0.04	0.69
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	20	0.68	0.77	0.24
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	20	0.68	0.77	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2700)	1:144:A:THR:HG23	1:147:A:LYS:HE2	20	0.68	0.77	0.24
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	20	0.68	0.06	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB1	20	0.68	0.06	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	20	0.68	0.06	0.71
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	20	0.67	0.26	0.6
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	20	0.67	0.26	0.6
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE3	20	0.67	0.26	0.6
(1,632)	1:81:A:VAL:HG21	1:118:A:LYS:HE2	20	0.67	0.26	0.6
(1,632)	1:81:A:VAL:HG21	1:118:A:LYS:HE3	20	0.67	0.26	0.6
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE3	20	0.67	0.26	0.6
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	20	0.67	0.54	0.4
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	20	0.67	0.54	0.4
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	20	0.67	0.54	0.4
(1,3864)	1:183:A:THR:HG22	1:185:A:GLU:H	20	0.67	0.08	0.7
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	20	0.67	0.08	0.7
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	20	0.67	0.08	0.7
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	20	0.67	0.08	0.68
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	20	0.67	0.08	0.68
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	20	0.67	0.08	0.68
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	20	0.67	0.04	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB3	20	0.67	0.04	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	20	0.67	0.04	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	20	0.67	0.04	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	20	0.67	0.04	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	20	0.67	0.04	0.66
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	20	0.67	0.03	0.67
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	20	0.67	0.03	0.67
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	20	0.67	0.03	0.67
(1,3431)	1:102:A:ALA:HB3	1:105:A:ALA:H	20	0.67	0.03	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	20	0.66	0.0	0.66
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	20	0.66	0.03	0.66
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	20	0.66	0.03	0.66
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB2	20	0.66	0.03	0.66
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	20	0.66	0.06	0.66
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	20	0.66	0.07	0.65
(1,456)	1:100:A:LEU:HD12	1:62:A:TYR:HE2	20	0.66	0.07	0.65
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	20	0.66	0.07	0.65
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	20	0.66	0.05	0.66
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	20	0.66	0.05	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	20	0.66	0.02	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD12	20	0.66	0.02	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	20	0.66	0.02	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	20	0.66	0.06	0.64
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	20	0.66	0.06	0.64
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	20	0.66	0.06	0.64
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	20	0.66	0.3	0.61
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG23	20	0.66	0.3	0.61
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	20	0.66	0.3	0.61
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	20	0.65	0.01	0.65
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	20	0.65	0.02	0.65
(1,3503)	1:151:A:ILE:HG21	1:155:A:VAL:H	20	0.65	0.02	0.65
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	20	0.65	0.02	0.65
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	20	0.65	0.03	0.66
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	20	0.65	0.02	0.66
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG22	20	0.65	0.02	0.66
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	20	0.65	0.02	0.66
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	20	0.65	0.07	0.68
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG12	20	0.65	0.07	0.68
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG11	20	0.65	0.07	0.68
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD12	20	0.65	0.26	0.61
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD21	20	0.65	0.26	0.61
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD13	20	0.65	0.26	0.61
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD11	20	0.65	0.26	0.61
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD22	20	0.65	0.26	0.61
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD23	20	0.65	0.26	0.61
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	20	0.65	0.14	0.62
(1,753)	1:112:A:ALA:HB3	1:65:A:ASN:HB2	20	0.65	0.14	0.62
(1,753)	1:112:A:ALA:HB2	1:111:A:ASN:HB3	20	0.65	0.14	0.62
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	20	0.65	0.14	0.62
(1,753)	1:112:A:ALA:HB3	1:115:A:ASN:HB2	20	0.65	0.14	0.62
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	20	0.65	0.04	0.65
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG23	20	0.65	0.04	0.65
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG22	20	0.65	0.04	0.65
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	20	0.65	0.07	0.67
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB3	20	0.65	0.07	0.67
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG13	20	0.65	0.14	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	20	0.65	0.14	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG23	20	0.65	0.14	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG12	20	0.65	0.14	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	20	0.65	0.14	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG11	20	0.65	0.14	0.65
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	20	0.65	0.05	0.67
(1,951)	1:187:A:ILE:H	1:189:A:SER:H	20	0.65	0.05	0.67
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	20	0.65	0.02	0.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	20	0.65	0.02	0.65
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	20	0.65	0.02	0.65
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	20	0.65	0.06	0.63
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	20	0.65	0.05	0.62
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG11	20	0.65	0.01	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	20	0.65	0.01	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG13	20	0.65	0.01	0.65
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	20	0.64	0.02	0.65
(1,734)	1:67:A:ALA:HB2	1:68:A:MET:HE3	20	0.64	0.02	0.65
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	20	0.64	0.02	0.65
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	20	0.64	0.05	0.63
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	20	0.64	0.05	0.63
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	20	0.64	0.05	0.63
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG11	20	0.64	0.02	0.65
(1,723)	1:155:A:VAL:HG13	1:88:A:LEU:HA	20	0.64	0.02	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG12	20	0.64	0.02	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	20	0.64	0.02	0.65
(1,723)	1:155:A:VAL:HG12	1:88:A:LEU:HA	20	0.64	0.02	0.65
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	20	0.64	0.03	0.64
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	20	0.64	0.03	0.64
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	20	0.64	0.03	0.64
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	20	0.64	0.02	0.64
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB1	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB3	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB3	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB2	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB3	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB1	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB2	20	0.64	0.08	0.64
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB1	20	0.64	0.08	0.64
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB2	20	0.64	0.02	0.64
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	20	0.64	0.02	0.64
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	20	0.64	0.02	0.64
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD23	20	0.64	0.03	0.64
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG22	20	0.64	0.03	0.64
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	20	0.64	0.03	0.64
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD22	20	0.64	0.03	0.64
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG23	20	0.64	0.03	0.64
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG21	20	0.64	0.03	0.64
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	20	0.64	0.02	0.64
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG21	20	0.64	0.02	0.64
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG23	20	0.64	0.02	0.64

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	20	0.64	0.05	0.64
(1,528)	1:146:A:SER:HB2	1:145:A:ARG:H	20	0.64	0.05	0.64
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	20	0.64	0.04	0.64
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	20	0.64	0.04	0.64
(1,3148)	1:174:A:LEU:HD21	1:174:A:LEU:H	20	0.64	0.04	0.64
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	20	0.63	0.05	0.62
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	20	0.63	0.03	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG13	20	0.63	0.03	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG11	20	0.63	0.03	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG22	20	0.63	0.03	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG21	20	0.63	0.03	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG23	20	0.63	0.03	0.63
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	20	0.63	0.04	0.63
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD11	20	0.63	0.04	0.63
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD12	20	0.63	0.04	0.63
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD12	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD13	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD11	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD13	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD13	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD12	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD11	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD12	20	0.63	0.12	0.62
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD11	20	0.63	0.12	0.62
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	20	0.63	0.05	0.64
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	20	0.63	0.05	0.64
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	20	0.63	0.05	0.64
(1,693)	1:180:A:LEU:HD22	1:181:A:VAL:H	20	0.63	0.06	0.62
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	20	0.63	0.06	0.62
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	20	0.63	0.06	0.62
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD13	20	0.63	0.04	0.63
(1,3912)	1:113:A:LEU:HD22	1:161:A:LEU:HD11	20	0.63	0.04	0.63
(1,3912)	1:113:A:LEU:HD22	1:161:A:LEU:HD13	20	0.63	0.04	0.63
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	20	0.63	0.04	0.63
(1,3912)	1:113:A:LEU:HD23	1:161:A:LEU:HD11	20	0.63	0.04	0.63
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD11	20	0.63	0.04	0.63
(1,3912)	1:113:A:LEU:HD23	1:161:A:LEU:HD13	20	0.63	0.04	0.63
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	20	0.63	0.04	0.62
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG12	20	0.63	0.04	0.62
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG11	20	0.63	0.04	0.62
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	20	0.63	0.1	0.6
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	20	0.63	0.1	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	20	0.63	0.1	0.6
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	20	0.63	0.04	0.61
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	20	0.63	0.04	0.61
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB1	20	0.63	0.04	0.61
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	20	0.63	0.42	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD22	20	0.63	0.42	0.54
(1,3420)	1:176:A:MET:HE2	1:109:A:LEU:HD22	20	0.63	0.42	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	20	0.63	0.42	0.54
(1,3420)	1:176:A:MET:HE2	1:109:A:LEU:HD23	20	0.63	0.42	0.54
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	20	0.62	0.04	0.62
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	20	0.62	0.04	0.62
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	20	0.62	0.04	0.62
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	20	0.62	0.01	0.62
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	20	0.62	0.1	0.59
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	20	0.62	0.1	0.59
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD13	20	0.62	0.1	0.59
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	20	0.62	0.15	0.57
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	20	0.62	0.02	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG21	20	0.62	0.02	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	20	0.62	0.02	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	20	0.62	0.01	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	20	0.62	0.01	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB3	20	0.62	0.01	0.62
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD23	20	0.62	0.06	0.61
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	20	0.62	0.06	0.61
(1,907)	1:162:A:TYR:H	1:160:A:VAL:HG22	20	0.62	0.06	0.61
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD22	20	0.62	0.06	0.61
(1,907)	1:162:A:TYR:H	1:160:A:VAL:HG21	20	0.62	0.06	0.61
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	20	0.62	0.16	0.67
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	20	0.62	0.16	0.67
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	20	0.62	0.01	0.62
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	20	0.62	0.08	0.6
(1,585)	1:67:A:ALA:HA	1:66:A:GLY:HA3	20	0.62	0.08	0.6
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	20	0.62	0.21	0.56
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE2	20	0.62	0.21	0.56
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	20	0.62	0.15	0.64
(1,772)	1:151:A:ILE:HD13	1:90:A:ASP:HA	20	0.62	0.15	0.64
(1,772)	1:151:A:ILE:HD12	1:90:A:ASP:HA	20	0.62	0.15	0.64
(1,772)	1:151:A:ILE:HD11	1:90:A:ASP:HA	20	0.62	0.15	0.64
(1,772)	1:151:A:ILE:HD11	1:141:A:SER:HA	20	0.62	0.15	0.64
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	20	0.61	0.47	0.4
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	20	0.61	0.04	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	20	0.61	0.04	0.61
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	20	0.61	0.04	0.61
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	20	0.61	0.14	0.6
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	20	0.61	0.04	0.6
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD11	20	0.61	0.1	0.57
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	20	0.61	0.1	0.57
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	20	0.61	0.1	0.57
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	20	0.61	0.06	0.6
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG21	20	0.61	0.06	0.6
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	20	0.61	0.06	0.6
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	20	0.6	0.02	0.61
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	20	0.6	0.07	0.59
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	20	0.6	0.07	0.59
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD12	20	0.6	0.07	0.59
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	20	0.6	0.04	0.62
(1,350)	1:68:A:MET:HB3	1:108:A:THR:HB	20	0.6	0.04	0.62
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	20	0.6	0.06	0.62
(1,502)	1:189:A:SER:HB3	1:178:A:LEU:HA	20	0.6	0.06	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	20	0.6	0.04	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD13	20	0.6	0.04	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD11	20	0.6	0.04	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD22	20	0.6	0.04	0.62
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	20	0.6	0.02	0.6
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	20	0.6	0.11	0.6
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	20	0.6	0.11	0.6
(1,3176)	1:121:A:LEU:HD21	1:119:A:PHE:HD2	20	0.6	0.11	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	20	0.6	0.04	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	20	0.6	0.04	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG23	20	0.6	0.04	0.6
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	20	0.6	0.02	0.59
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	20	0.6	0.02	0.6
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD21	20	0.6	0.03	0.6
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	20	0.6	0.03	0.6
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD22	20	0.6	0.03	0.6
(1,458)	1:178:A:LEU:H	1:178:A:LEU:HD21	20	0.6	0.03	0.6
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD21	20	0.6	0.4	0.51
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD21	20	0.6	0.4	0.51
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD22	20	0.6	0.4	0.51
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD22	20	0.6	0.4	0.51
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD23	20	0.6	0.4	0.51
(1,3910)	1:113:A:LEU:HD23	1:109:A:LEU:HD22	20	0.6	0.4	0.51
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD23	20	0.6	0.4	0.51

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3910)	1:113:A:LEU:HD23	1:109:A:LEU:HD23	20	0.6	0.4	0.51
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	20	0.6	0.03	0.59
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB1	20	0.6	0.03	0.59
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	20	0.6	0.03	0.59
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	20	0.6	0.04	0.61
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	20	0.6	0.04	0.61
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	20	0.6	0.04	0.61
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	20	0.6	0.1	0.62
(1,310)	1:146:A:SER:HB3	1:149:A:ILE:HB	20	0.6	0.1	0.62
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	20	0.6	0.04	0.6
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD23	20	0.6	0.04	0.6
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD21	20	0.6	0.04	0.6
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	20	0.59	0.06	0.6
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	20	0.59	0.06	0.6
(1,787)	1:134:A:LEU:HD11	1:150:A:GLY:H	20	0.59	0.06	0.6
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	20	0.59	0.16	0.66
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	20	0.59	0.18	0.6
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB3	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB3	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB2	20	0.59	0.05	0.57
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB1	20	0.59	0.05	0.57
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	20	0.59	0.11	0.58
(1,1299)	1:75:A:MET:HE1	1:119:A:PHE:HZ	20	0.59	0.11	0.58
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	20	0.59	0.05	0.6
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	20	0.59	0.04	0.59
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	20	0.59	0.04	0.59
(1,708)	1:108:A:THR:HG23	1:111:A:ASN:H	20	0.59	0.04	0.59
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	20	0.59	0.08	0.59
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	20	0.59	0.08	0.59
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD13	20	0.59	0.08	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG23	20	0.59	0.01	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	20	0.59	0.01	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	20	0.59	0.01	0.59
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	20	0.59	0.09	0.62
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	20	0.59	0.06	0.58
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	20	0.59	0.03	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	20	0.59	0.01	0.59
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	20	0.59	0.04	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	20	0.59	0.04	0.58
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD13	20	0.59	0.04	0.58
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	20	0.58	0.02	0.59
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	20	0.58	0.03	0.59
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	20	0.58	0.03	0.59
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD21	20	0.58	0.03	0.59
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	20	0.58	0.02	0.58
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	20	0.58	0.02	0.58
(1,790)	1:165:A:ALA:HB2	1:172:A:PRO:HA	20	0.58	0.02	0.58
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD13	20	0.58	0.04	0.58
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	20	0.58	0.04	0.58
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	20	0.58	0.04	0.58
(1,810)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	20	0.58	0.01	0.58
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	20	0.58	0.01	0.58
(1,810)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	20	0.58	0.01	0.58
(1,810)	1:12:A:PRO:HB3	1:12:A:PRO:HG3	20	0.58	0.01	0.58
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	20	0.58	0.13	0.62
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	20	0.58	0.13	0.62
(1,770)	1:151:A:ILE:HD11	1:154:A:ASN:HD21	20	0.58	0.13	0.62
(1,770)	1:151:A:ILE:HD11	1:147:A:LYS:H	20	0.58	0.13	0.62
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	20	0.58	0.1	0.56
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	20	0.58	0.1	0.56
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	20	0.58	0.1	0.56
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	20	0.58	0.05	0.59
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	20	0.58	0.11	0.58
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	20	0.58	0.02	0.57
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	20	0.58	0.02	0.57
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG11	20	0.58	0.02	0.57
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	20	0.58	0.02	0.57
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB1	20	0.58	0.02	0.57
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	20	0.58	0.02	0.57
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	20	0.57	0.04	0.58
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	20	0.57	0.04	0.58
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	20	0.57	0.04	0.57
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD23	20	0.57	0.06	0.57
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	20	0.57	0.06	0.57
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	20	0.57	0.06	0.57
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	20	0.57	0.04	0.57
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG13	20	0.57	0.04	0.57
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG12	20	0.57	0.04	0.57
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	20	0.57	0.07	0.57
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB2	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)
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	20	0.57	0.07	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	20	0.57	0.03	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG22	20	0.57	0.03	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG21	20	0.57	0.03	0.57
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	20	0.57	0.16	0.57
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG21	20	0.57	0.16	0.57
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	20	0.57	0.16	0.57
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE1	20	0.57	0.06	0.55
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE1	20	0.57	0.06	0.55
(1,2660)	1:174:A:LEU:HD11	1:68:A:MET:HE1	20	0.57	0.06	0.55
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE3	20	0.57	0.06	0.55
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE3	20	0.57	0.06	0.55
(1,2660)	1:174:A:LEU:HD11	1:68:A:MET:HE3	20	0.57	0.06	0.55
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	20	0.56	0.1	0.56
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB2	20	0.56	0.1	0.56
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	20	0.56	0.02	0.56
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	20	0.56	0.02	0.56
(1,756)	1:151:A:ILE:HG22	1:130:A:ALA:HA	20	0.56	0.02	0.56
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	20	0.56	0.02	0.56
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	20	0.56	0.02	0.56
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG12	20	0.56	0.02	0.56
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	20	0.56	0.08	0.6
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	20	0.56	0.08	0.6
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	20	0.56	0.07	0.58
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	20	0.56	0.07	0.58
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD22	20	0.56	0.07	0.58
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	20	0.56	0.07	0.56
(1,3285)	1:67:A:ALA:HB3	1:64:A:TRP:H	20	0.56	0.07	0.56
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	20	0.56	0.07	0.56
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	20	0.56	0.07	0.56
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	20	0.56	0.07	0.56
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	20	0.56	0.02	0.56
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	20	0.56	0.04	0.56
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG11	20	0.56	0.04	0.56
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	20	0.56	0.04	0.56
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	20	0.56	0.06	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	20	0.56	0.06	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB3	20	0.56	0.06	0.53
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	20	0.56	0.07	0.58
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD13	20	0.56	0.07	0.58
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD22	20	0.56	0.07	0.58
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD23	20	0.56	0.07	0.58

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD11	20	0.56	0.07	0.58
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	20	0.56	0.02	0.56
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	20	0.56	0.02	0.56
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	20	0.56	0.02	0.56
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	20	0.55	0.09	0.56
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	20	0.55	0.09	0.56
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	20	0.55	0.09	0.56
(1,377)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	20	0.55	0.01	0.55
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	20	0.55	0.01	0.55
(1,377)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	20	0.55	0.01	0.55
(1,377)	1:12:A:PRO:HB3	1:12:A:PRO:HG3	20	0.55	0.01	0.55
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	20	0.55	0.07	0.58
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	20	0.55	0.07	0.58
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD12	20	0.55	0.07	0.58
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	20	0.55	0.09	0.58
(1,1033)	1:185:A:GLU:H	1:180:A:LEU:HA	20	0.55	0.09	0.58
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	20	0.55	0.01	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG22	20	0.55	0.01	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	20	0.55	0.01	0.55
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD1	20	0.55	0.1	0.54
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD2	20	0.55	0.1	0.54
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD1	20	0.55	0.1	0.54
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	20	0.55	0.1	0.54
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD2	20	0.55	0.1	0.54
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD2	20	0.55	0.1	0.54
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	20	0.55	0.07	0.55
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	20	0.55	0.07	0.55
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD22	20	0.55	0.07	0.55
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	20	0.55	0.16	0.56
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	20	0.55	0.16	0.56
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	20	0.55	0.03	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	20	0.55	0.03	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB2	20	0.55	0.03	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	20	0.55	0.01	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	20	0.55	0.01	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG12	20	0.55	0.01	0.55
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	20	0.54	0.07	0.55
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	20	0.54	0.12	0.53
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	20	0.54	0.35	0.3
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	20	0.54	0.35	0.3
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG12	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG11	20	0.54	0.04	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG12	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG13	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG12	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG11	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG11	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG13	20	0.54	0.04	0.56
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG13	20	0.54	0.04	0.56
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	20	0.54	0.01	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG13	20	0.54	0.01	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	20	0.54	0.01	0.54
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	20	0.54	0.05	0.53
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	20	0.54	0.05	0.53
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	20	0.54	0.05	0.53
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	20	0.54	0.03	0.54
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	20	0.54	0.03	0.54
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD12	20	0.54	0.03	0.54
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	20	0.54	0.13	0.57
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	20	0.54	0.13	0.57
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD22	20	0.54	0.13	0.57
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	20	0.54	0.06	0.52
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	20	0.54	0.06	0.52
(1,3406)	1:148:A:ALA:HB2	1:162:A:TYR:HD2	20	0.54	0.06	0.52
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	20	0.54	0.1	0.57
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	20	0.54	0.1	0.57
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	20	0.54	0.1	0.57
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	20	0.53	0.03	0.54
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG22	20	0.53	0.03	0.54
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	20	0.53	0.03	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	20	0.53	0.03	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	20	0.53	0.03	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD23	20	0.53	0.03	0.54
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB1	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB3	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB2	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB1	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB1	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB2	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB2	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB3	20	0.53	0.09	0.56
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB3	20	0.53	0.09	0.56
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	20	0.53	0.01	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG11	20	0.53	0.01	0.53

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG13	20	0.53	0.01	0.53
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	20	0.53	0.02	0.53
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	20	0.53	0.02	0.53
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG22	20	0.53	0.02	0.53
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	20	0.53	0.25	0.43
(1,1163)	1:161:A:LEU:H	1:88:A:LEU:HB2	20	0.53	0.25	0.43
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	20	0.53	0.05	0.54
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	20	0.53	0.05	0.54
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	20	0.53	0.02	0.53
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	20	0.53	0.02	0.53
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG23	20	0.53	0.02	0.53
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	20	0.53	0.12	0.56
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	20	0.53	0.12	0.56
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD22	20	0.53	0.12	0.56
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	20	0.53	0.03	0.52
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	20	0.53	0.02	0.52
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE3	20	0.53	0.02	0.52
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	20	0.53	0.03	0.52
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG13	20	0.53	0.03	0.52
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	20	0.53	0.03	0.52
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	20	0.53	0.14	0.54
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG13	20	0.53	0.14	0.54
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG12	20	0.53	0.14	0.54
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	20	0.52	0.02	0.52
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	20	0.52	0.03	0.53
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	20	0.52	0.03	0.53
(1,3905)	1:103:A:ALA:HB1	1:106:A:THR:HG1	20	0.52	0.03	0.53
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	20	0.52	0.13	0.55
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD3	20	0.52	0.13	0.55
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	20	0.52	0.05	0.51
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	20	0.52	0.05	0.51
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	20	0.52	0.05	0.51
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	20	0.52	0.04	0.54
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG11	20	0.52	0.04	0.54
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	20	0.52	0.04	0.54
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	20	0.52	0.04	0.53
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	20	0.52	0.04	0.53
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD22	20	0.52	0.04	0.53
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	20	0.52	0.24	0.46
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD12	20	0.52	0.24	0.46
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD13	20	0.52	0.24	0.46
(1,927)	1:90:A:ASP:H	1:88:A:LEU:HD23	20	0.52	0.24	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	20	0.52	0.02	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	20	0.52	0.02	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	20	0.52	0.02	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	20	0.52	0.02	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	20	0.52	0.0	0.52
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	20	0.52	0.05	0.52
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB3	20	0.52	0.05	0.52
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	20	0.52	0.05	0.52
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	20	0.51	0.16	0.57
(1,508)	1:85:A:SER:HB3	1:86:A:VAL:HA	20	0.51	0.16	0.57
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	20	0.51	0.03	0.52
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	20	0.51	0.02	0.52
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	20	0.51	0.13	0.54
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	20	0.51	0.13	0.54
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD11	20	0.51	0.13	0.54
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	20	0.51	0.01	0.51
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	20	0.51	0.01	0.51
(1,2596)	1:100:A:LEU:HD22	1:100:A:LEU:HA	20	0.51	0.01	0.51
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	20	0.51	0.02	0.52
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	20	0.51	0.02	0.52
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG21	20	0.51	0.02	0.52
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	20	0.51	0.01	0.51
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	20	0.51	0.02	0.5
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	20	0.51	0.02	0.5
(1,3248)	1:108:A:THR:HG21	1:64:A:TRP:HA	20	0.51	0.02	0.5
(1,3300)	1:193:A:ALA:HB2	1:174:A:LEU:H	20	0.51	0.03	0.51
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	20	0.51	0.03	0.51
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	20	0.51	0.03	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	20	0.51	0.03	0.51
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	20	0.51	0.02	0.51
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	20	0.51	0.02	0.51
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	20	0.51	0.02	0.51
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	20	0.51	0.06	0.52
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HB2	20	0.51	0.06	0.52
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	20	0.51	0.04	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD11	20	0.51	0.01	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	20	0.51	0.01	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	20	0.51	0.01	0.51
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	20	0.51	0.08	0.5
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	20	0.51	0.1	0.51
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	20	0.51	0.11	0.56
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	20	0.51	0.11	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG22	20	0.51	0.11	0.56
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	20	0.51	0.02	0.5
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	20	0.51	0.03	0.51
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	20	0.5	0.05	0.5
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	20	0.5	0.05	0.5
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD13	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG13	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG13	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG11	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG13	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG12	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG11	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG11	20	0.5	0.05	0.5
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG12	20	0.5	0.05	0.5
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	20	0.5	0.03	0.5
(1,3627)	1:176:A:MET:HE3	1:188:A:TRP:HZ2	20	0.5	0.03	0.5
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB3	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB2	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD12	1:105:A:ALA:HB2	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB1	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB2	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB3	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD12	1:105:A:ALA:HB1	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB1	20	0.5	0.06	0.53
(1,2630)	1:100:A:LEU:HD12	1:105:A:ALA:HB3	20	0.5	0.06	0.53
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	20	0.5	0.11	0.5
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	20	0.5	0.11	0.5
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG23	20	0.5	0.11	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	20	0.5	0.02	0.5
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	20	0.5	0.04	0.52
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	20	0.5	0.04	0.52
(1,3392)	1:130:A:ALA:HB2	1:133:A:GLN:HG3	20	0.5	0.04	0.52
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD23	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD21	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD22	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD21	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD22	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD23	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD22	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD21	20	0.5	0.08	0.52
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD23	20	0.5	0.08	0.52
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	20	0.5	0.05	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	20	0.5	0.05	0.5
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	20	0.5	0.07	0.48
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	20	0.5	0.07	0.48
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	20	0.5	0.01	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB1	20	0.5	0.01	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB3	20	0.5	0.01	0.5
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	20	0.49	0.13	0.56
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	20	0.49	0.13	0.56
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	20	0.49	0.13	0.56
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	20	0.49	0.04	0.48
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB3	20	0.49	0.04	0.48
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	20	0.49	0.03	0.49
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	20	0.49	0.03	0.49
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB2	20	0.49	0.03	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	20	0.49	0.01	0.49
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	20	0.49	0.11	0.5
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	20	0.49	0.12	0.53
(1,3860)	1:176:A:MET:HE3	1:75:A:MET:HE1	20	0.49	0.12	0.53
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE2	20	0.49	0.12	0.53
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD21	20	0.49	0.07	0.48
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD22	20	0.49	0.07	0.48
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD13	20	0.49	0.07	0.48
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD11	20	0.49	0.07	0.48
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD12	20	0.49	0.07	0.48
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	20	0.49	0.09	0.48
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	20	0.49	0.09	0.48
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	20	0.49	0.08	0.5
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD1	20	0.49	0.08	0.5
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	20	0.49	0.02	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD12	20	0.49	0.02	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD11	20	0.49	0.02	0.49
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	20	0.49	0.02	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB1	20	0.49	0.02	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	20	0.49	0.02	0.48
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	20	0.49	0.33	0.32
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD12	20	0.49	0.33	0.32
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD13	20	0.49	0.33	0.32
(1,465)	1:142:A:LEU:HD13	1:149:A:ILE:H	20	0.49	0.33	0.32
(1,3809)	1:87:A:LEU:HD21	1:119:A:PHE:HD1	20	0.49	0.15	0.5
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	20	0.49	0.15	0.5
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	20	0.49	0.15	0.5
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	20	0.48	0.01	0.49

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,431)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	20	0.48	0.02	0.49
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	20	0.48	0.02	0.49
(1,431)	1:45:A:PRO:HG2	1:45:A:PRO:HD2	20	0.48	0.02	0.49
(1,431)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	20	0.48	0.02	0.49
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	20	0.48	0.02	0.49
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	20	0.48	0.03	0.48
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	20	0.48	0.03	0.48
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	20	0.48	0.03	0.48
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	20	0.48	0.06	0.5
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	20	0.48	0.06	0.5
(1,3630)	1:174:A:LEU:HD11	1:64:A:TRP:HH2	20	0.48	0.06	0.5
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	20	0.48	0.02	0.48
(1,691)	1:88:A:LEU:HD11	1:88:A:LEU:H	20	0.48	0.02	0.48
(1,691)	1:88:A:LEU:HD13	1:88:A:LEU:H	20	0.48	0.02	0.48
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	20	0.48	0.03	0.49
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG22	20	0.48	0.03	0.49
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	20	0.48	0.03	0.49
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	20	0.48	0.19	0.53
(1,262)	1:191:A:LYS:HE3	1:192:A:GLY:HA2	20	0.48	0.19	0.53
(1,262)	1:191:A:LYS:HE2	1:192:A:GLY:HA2	20	0.48	0.19	0.53
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	20	0.48	0.02	0.48
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	20	0.48	0.15	0.48
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	20	0.48	0.08	0.48
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	20	0.48	0.08	0.48
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB1	20	0.48	0.08	0.48
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	20	0.48	0.07	0.48
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	20	0.48	0.04	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	20	0.48	0.04	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG22	20	0.48	0.04	0.46
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	20	0.48	0.02	0.48
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG23	20	0.48	0.02	0.48
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG22	20	0.48	0.02	0.48
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	20	0.48	0.05	0.48
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	20	0.48	0.02	0.47
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	20	0.47	0.09	0.44
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	20	0.47	0.05	0.46
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG21	20	0.47	0.05	0.46
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG23	20	0.47	0.05	0.46
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	20	0.47	0.02	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	20	0.47	0.02	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	20	0.47	0.02	0.47
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	20	0.47	0.03	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	20	0.47	0.07	0.46
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	20	0.47	0.03	0.47
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	20	0.47	0.22	0.4
(1,450)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	20	0.47	0.22	0.4
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	20	0.47	0.15	0.48
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	20	0.47	0.02	0.47
(1,3296)	1:67:A:ALA:HB2	1:68:A:MET:HG2	20	0.47	0.02	0.47
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	20	0.47	0.02	0.47
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD22	20	0.47	0.06	0.46
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	20	0.47	0.06	0.46
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	20	0.47	0.06	0.46
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	20	0.47	0.03	0.48
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD13	20	0.47	0.03	0.48
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD11	20	0.47	0.03	0.48
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	20	0.47	0.03	0.47
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	20	0.47	0.07	0.47
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	20	0.47	0.07	0.47
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	20	0.47	0.07	0.48
(1,3559)	1:187:A:ILE:HD13	1:159:A:TYR:HA	20	0.47	0.07	0.48
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	20	0.47	0.07	0.48
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	20	0.47	0.17	0.55
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	20	0.47	0.17	0.55
(1,459)	1:178:A:LEU:HD23	1:180:A:LEU:HB2	20	0.47	0.17	0.55
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	20	0.47	0.01	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG23	20	0.47	0.01	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG22	20	0.47	0.01	0.47
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	20	0.47	0.13	0.48
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	20	0.47	0.06	0.46
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD12	20	0.47	0.07	0.48
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	20	0.47	0.07	0.48
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	20	0.47	0.07	0.48
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	20	0.47	0.02	0.46
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	20	0.47	0.02	0.46
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	20	0.47	0.02	0.46
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG21	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG22	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG21	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG23	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG23	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG22	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG23	20	0.46	0.02	0.46
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG21	20	0.46	0.02	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG22	20	0.46	0.02	0.46
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	20	0.46	0.03	0.46
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	20	0.46	0.05	0.48
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	20	0.46	0.04	0.47
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	20	0.46	0.04	0.47
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD13	20	0.46	0.04	0.47
(1,466)	1:72:A:VAL:HG22	1:69:A:GLN:HA	20	0.46	0.04	0.48
(1,466)	1:72:A:VAL:HG23	1:68:A:MET:HA	20	0.46	0.04	0.48
(1,466)	1:72:A:VAL:HG22	1:68:A:MET:HA	20	0.46	0.04	0.48
(1,466)	1:72:A:VAL:HG21	1:68:A:MET:HA	20	0.46	0.04	0.48
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	20	0.46	0.04	0.48
(1,466)	1:72:A:VAL:HG21	1:69:A:GLN:HA	20	0.46	0.04	0.48
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	20	0.46	0.02	0.46
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	20	0.46	0.02	0.46
(1,2693)	1:108:A:THR:HG21	1:64:A:TRP:HD1	20	0.46	0.02	0.46
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	20	0.46	0.06	0.46
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	20	0.46	0.06	0.46
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB1	20	0.46	0.06	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD21	20	0.46	0.01	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	20	0.46	0.01	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD23	20	0.46	0.01	0.46
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB2	20	0.46	0.05	0.46
(1,754)	1:112:A:ALA:HB1	1:69:A:GLN:HB2	20	0.46	0.05	0.46
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	20	0.46	0.05	0.46
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB3	20	0.46	0.05	0.46
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	20	0.46	0.06	0.46
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	20	0.46	0.06	0.46
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB3	20	0.46	0.06	0.46
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	20	0.46	0.14	0.42
(1,3213)	1:88:A:LEU:HD11	1:90:A:ASP:HB3	20	0.46	0.14	0.42
(1,3213)	1:88:A:LEU:HD13	1:90:A:ASP:HB3	20	0.46	0.14	0.42
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG13	20	0.45	0.02	0.46
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG13	20	0.45	0.02	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG13	20	0.45	0.02	0.46
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG11	20	0.45	0.02	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG12	20	0.45	0.02	0.46
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG12	20	0.45	0.02	0.46
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG12	20	0.45	0.02	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	20	0.45	0.01	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	20	0.45	0.01	0.45
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	20	0.45	0.36	0.4
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	20	0.45	0.36	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD22	20	0.45	0.36	0.4
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	20	0.45	0.04	0.46
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	20	0.45	0.04	0.46
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG13	20	0.45	0.04	0.46
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	20	0.45	0.06	0.44
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD22	20	0.45	0.06	0.44
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	20	0.45	0.06	0.44
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	20	0.45	0.04	0.45
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	20	0.45	0.04	0.45
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	20	0.45	0.04	0.45
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	20	0.45	0.04	0.45
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	20	0.45	0.11	0.44
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	20	0.44	0.05	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	0.44	0.02	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	20	0.44	0.02	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	20	0.44	0.02	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	20	0.44	0.03	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	20	0.44	0.03	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD23	20	0.44	0.03	0.44
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	20	0.44	0.02	0.45
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	20	0.44	0.01	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG23	20	0.44	0.01	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG22	20	0.44	0.01	0.44
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	20	0.44	0.01	0.44
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	20	0.44	0.01	0.44
(1,158)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	20	0.44	0.01	0.44
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	20	0.44	0.01	0.44
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	20	0.44	0.11	0.43
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	20	0.44	0.11	0.43
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	20	0.44	0.11	0.43
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	20	0.44	0.01	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	20	0.44	0.01	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG23	20	0.44	0.01	0.44
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	20	0.44	0.05	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	20	0.44	0.02	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	20	0.44	0.02	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB1	20	0.44	0.02	0.44
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	20	0.44	0.03	0.44
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	20	0.44	0.03	0.44
(1,745)	1:174:A:LEU:HD21	1:176:A:MET:HE3	20	0.44	0.09	0.44
(1,745)	1:174:A:LEU:HD22	1:176:A:MET:HE3	20	0.44	0.09	0.44
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	20	0.44	0.09	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,745)	1:161:A:LEU:HD13	1:176:A:MET:HE2	20	0.44	0.09	0.44
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE3	20	0.44	0.09	0.44
(1,745)	1:161:A:LEU:HD11	1:176:A:MET:HE2	20	0.44	0.09	0.44
(1,745)	1:174:A:LEU:HD23	1:176:A:MET:HE3	20	0.44	0.09	0.44
(1,745)	1:174:A:LEU:HD21	1:176:A:MET:HE1	20	0.44	0.09	0.44
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	20	0.44	0.02	0.44
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	20	0.44	0.02	0.44
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	20	0.44	0.02	0.44
(1,2586)	1:178:A:LEU:HD13	1:179:A:MET:H	20	0.44	0.02	0.44
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	20	0.44	0.02	0.44
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	20	0.44	0.02	0.44
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG22	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD13	1:81:A:VAL:HG21	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG21	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG21	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD13	1:81:A:VAL:HG23	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG23	20	0.44	0.08	0.44
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG23	20	0.44	0.08	0.44
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	20	0.44	0.15	0.36
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE3	20	0.44	0.15	0.36
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	20	0.44	0.03	0.44
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD12	20	0.44	0.03	0.44
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	20	0.44	0.03	0.44
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	20	0.43	0.44	0.15
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	20	0.43	0.03	0.43
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	20	0.43	0.03	0.43
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	20	0.43	0.04	0.44
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	20	0.43	0.02	0.44
(1,3357)	1:157:A:ALA:HB2	1:152:A:ALA:H	20	0.43	0.02	0.44
(1,3357)	1:157:A:ALA:HB3	1:152:A:ALA:H	20	0.43	0.02	0.44
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	20	0.43	0.02	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD23	20	0.43	0.02	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD21	20	0.43	0.02	0.43
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	20	0.43	0.27	0.42
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB1	20	0.43	0.27	0.42
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB3	20	0.43	0.27	0.42
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	20	0.43	0.05	0.43
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	20	0.43	0.05	0.43
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG13	20	0.43	0.05	0.43
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	20	0.43	0.11	0.42
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB1	20	0.43	0.11	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	20	0.43	0.11	0.42
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	20	0.43	0.03	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	20	0.43	0.03	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB1	20	0.43	0.03	0.44
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	20	0.43	0.07	0.42
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	20	0.43	0.07	0.42
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB1	20	0.43	0.07	0.42
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	20	0.43	0.06	0.44
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG13	20	0.43	0.06	0.44
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG12	20	0.43	0.06	0.44
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	20	0.43	0.03	0.42
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	20	0.43	0.02	0.42
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	20	0.43	0.03	0.44
(1,1414)	1:194:A:VAL:HG22	1:64:A:TRP:HZ2	20	0.43	0.03	0.44
(1,1414)	1:194:A:VAL:HG21	1:64:A:TRP:HZ2	20	0.43	0.03	0.44
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	20	0.43	0.11	0.49
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	20	0.43	0.11	0.49
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	20	0.43	0.11	0.49
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG21	20	0.43	0.01	0.43
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG22	20	0.43	0.01	0.43
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG22	20	0.43	0.01	0.43
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG23	20	0.43	0.01	0.43
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG23	20	0.43	0.01	0.43
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG23	20	0.43	0.01	0.43
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG21	20	0.43	0.01	0.43
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD23	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD21	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD21	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD23	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD22	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD23	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD22	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD21	20	0.43	0.03	0.43
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD22	20	0.43	0.03	0.43
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD21	20	0.42	0.05	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	20	0.42	0.05	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	20	0.42	0.05	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	20	0.42	0.01	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG13	20	0.42	0.01	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	20	0.42	0.01	0.42
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	20	0.42	0.04	0.42
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG21	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)
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	20	0.42	0.04	0.42
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	20	0.42	0.04	0.41
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	20	0.42	0.04	0.41
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG21	20	0.42	0.04	0.41
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	20	0.42	0.04	0.43
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG11	20	0.42	0.04	0.43
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	20	0.42	0.04	0.43
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	20	0.42	0.02	0.42
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	20	0.42	0.04	0.43
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	20	0.42	0.04	0.43
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG21	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG23	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG21	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG21	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG23	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG22	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG23	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG22	20	0.42	0.03	0.42
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG22	20	0.42	0.03	0.42
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	20	0.42	0.06	0.44
(1,10)	1:74:A:LYS:HB2	1:188:A:TRP:HD1	20	0.42	0.06	0.44
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	20	0.42	0.02	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	20	0.42	0.01	0.42
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	20	0.42	0.06	0.4
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	20	0.42	0.06	0.4
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB3	20	0.42	0.06	0.4
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	20	0.42	0.06	0.42
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	20	0.42	0.06	0.42
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB2	20	0.42	0.06	0.42
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	20	0.42	0.11	0.4
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB1	20	0.42	0.11	0.4
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	20	0.42	0.11	0.4
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	20	0.42	0.01	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	20	0.42	0.01	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	20	0.42	0.01	0.42
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	20	0.42	0.01	0.42
(1,3316)	1:92:A:VAL:HG13	1:94:A:ASN:HA	20	0.42	0.01	0.42
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	20	0.42	0.01	0.42
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	20	0.42	0.05	0.43
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	20	0.42	0.05	0.43
(1,2603)	1:100:A:LEU:HD21	1:172:A:PRO:HB2	20	0.42	0.05	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	20	0.42	0.09	0.4
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	20	0.42	0.09	0.4
(1,784)	1:121:A:LEU:HD21	1:120:A:THR:H	20	0.42	0.09	0.4
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	20	0.42	0.04	0.41
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB1	20	0.42	0.04	0.41
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	20	0.42	0.04	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	20	0.41	0.01	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	20	0.41	0.01	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG21	20	0.41	0.01	0.42
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	20	0.41	0.03	0.41
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	20	0.41	0.03	0.41
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG13	20	0.41	0.03	0.41
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	20	0.41	0.05	0.42
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB2	20	0.41	0.05	0.42
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB1	20	0.41	0.05	0.42
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB3	20	0.41	0.05	0.42
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	20	0.41	0.07	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	20	0.41	0.02	0.42
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	20	0.41	0.02	0.42
(1,576)	1:100:A:LEU:HD13	1:100:A:LEU:HA	20	0.41	0.02	0.42
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	20	0.41	0.02	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	20	0.41	0.04	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB2	20	0.41	0.04	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB3	20	0.41	0.04	0.42
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	20	0.41	0.19	0.36
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	20	0.41	0.19	0.36
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	20	0.41	0.19	0.36
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	20	0.41	0.19	0.36
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	20	0.41	0.19	0.36
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	20	0.41	0.19	0.36
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	20	0.41	0.04	0.4
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	20	0.41	0.02	0.42
(1,731)	1:157:A:ALA:HB2	1:181:A:VAL:HB	20	0.41	0.02	0.42
(1,731)	1:157:A:ALA:HB3	1:181:A:VAL:HB	20	0.41	0.02	0.42
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	20	0.41	0.04	0.42
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	20	0.41	0.1	0.38
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	20	0.41	0.1	0.38
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	20	0.41	0.1	0.38
(1,73)	1:146:A:SER:HB3	1:149:A:ILE:HD13	20	0.41	0.1	0.38
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	20	0.41	0.02	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	20	0.41	0.02	0.41
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	20	0.41	0.17	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	20	0.41	0.17	0.36
(1,701)	1:88:A:LEU:HD22	1:127:A:LEU:HB2	20	0.41	0.17	0.36
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	20	0.41	0.04	0.42
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	20	0.41	0.04	0.42
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	20	0.41	0.03	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	20	0.41	0.03	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG21	20	0.41	0.03	0.4
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	20	0.4	0.02	0.4
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	20	0.4	0.02	0.4
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	20	0.4	0.03	0.41
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB1	20	0.4	0.03	0.41
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	20	0.4	0.03	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	20	0.4	0.02	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	20	0.4	0.02	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG21	20	0.4	0.02	0.4
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	20	0.4	0.05	0.41
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	20	0.4	0.05	0.41
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB2	20	0.4	0.05	0.41
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	20	0.4	0.09	0.42
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	20	0.4	0.01	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	20	0.4	0.01	0.4
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	20	0.4	0.06	0.39
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	20	0.4	0.06	0.39
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	20	0.4	0.06	0.39
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	20	0.4	0.01	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG13	20	0.4	0.01	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	20	0.4	0.01	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	20	0.4	0.01	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB3	20	0.4	0.01	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	20	0.4	0.01	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	20	0.4	0.01	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG21	20	0.4	0.01	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG23	20	0.4	0.01	0.4
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	20	0.4	0.02	0.4
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	20	0.4	0.02	0.4
(1,3525)	1:149:A:ILE:HG22	1:146:A:SER:HA	20	0.4	0.02	0.4
(1,437)	1:178:A:LEU:HD11	1:188:A:TRP:HA	20	0.4	0.12	0.44
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	20	0.4	0.12	0.44
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	20	0.4	0.12	0.44
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	20	0.4	0.04	0.4
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	20	0.4	0.04	0.4
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG23	20	0.4	0.04	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	20	0.4	0.12	0.42
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	20	0.4	0.02	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	20	0.4	0.03	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB1	20	0.4	0.03	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	20	0.4	0.03	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	20	0.39	0.03	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	20	0.39	0.03	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD11	20	0.39	0.03	0.4
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	20	0.39	0.03	0.39
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	20	0.39	0.03	0.39
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG21	20	0.39	0.03	0.39
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	20	0.39	0.07	0.42
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	20	0.39	0.01	0.39
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	20	0.39	0.08	0.42
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	20	0.39	0.08	0.42
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG23	20	0.39	0.08	0.42
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG22	20	0.39	0.03	0.38
(1,3633)	1:89:A:VAL:HG11	1:89:A:VAL:HG21	20	0.39	0.03	0.38
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG21	20	0.39	0.03	0.38
(1,3633)	1:89:A:VAL:HG11	1:89:A:VAL:HG23	20	0.39	0.03	0.38
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG21	20	0.39	0.03	0.38
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG22	20	0.39	0.03	0.38
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG23	20	0.39	0.03	0.38
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	20	0.39	0.06	0.38
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD13	20	0.39	0.06	0.38
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	20	0.39	0.06	0.38
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	20	0.39	0.1	0.4
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	20	0.39	0.1	0.4
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG23	20	0.39	0.1	0.4
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB3	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB3	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB3	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB1	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB2	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB1	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB1	20	0.39	0.03	0.38
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB2	20	0.39	0.03	0.38
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HE1	20	0.39	0.11	0.42
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HE1	20	0.39	0.11	0.42
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	20	0.39	0.11	0.42
(1,699)	1:178:A:LEU:HD12	1:75:A:MET:HG2	20	0.39	0.11	0.42
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	20	0.39	0.11	0.42

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	20	0.39	0.05	0.42
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	20	0.39	0.0	0.39
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	20	0.39	0.0	0.39
(1,380)	1:45:A:PRO:HB2	1:45:A:PRO:HB3	20	0.39	0.0	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	20	0.39	0.0	0.39
(1,892)	1:196:A:GLN:HG2	1:196:A:GLN:HB2	20	0.39	0.0	0.39
(1,1417)	1:178:A:LEU:HD13	1:159:A:TYR:HE2	20	0.39	0.07	0.36
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	20	0.39	0.07	0.36
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	20	0.39	0.07	0.36
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	20	0.38	0.02	0.38
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD11	20	0.38	0.02	0.38
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	20	0.38	0.02	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	20	0.38	0.02	0.38
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	20	0.38	0.04	0.39
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	20	0.38	0.05	0.38
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	20	0.38	0.05	0.38
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	20	0.38	0.01	0.38
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD23	20	0.38	0.06	0.4
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	20	0.38	0.06	0.4
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	20	0.38	0.06	0.4
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	20	0.38	0.09	0.36
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	20	0.38	0.09	0.36
(1,788)	1:134:A:LEU:HD12	1:154:A:ASN:HB2	20	0.38	0.09	0.36
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	20	0.38	0.02	0.38
(1,3798)	1:88:A:LEU:HD11	1:88:A:LEU:HA	20	0.38	0.02	0.38
(1,3798)	1:88:A:LEU:HD13	1:88:A:LEU:HA	20	0.38	0.02	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	20	0.38	0.01	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG12	20	0.38	0.01	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	20	0.38	0.01	0.38
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD21	20	0.38	0.07	0.39
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	20	0.38	0.07	0.39
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	20	0.38	0.07	0.39
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	20	0.38	0.03	0.38
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	20	0.38	0.03	0.38
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG23	20	0.38	0.03	0.38
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	20	0.38	0.04	0.38
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD13	20	0.38	0.04	0.37
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	20	0.38	0.04	0.37
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	20	0.38	0.04	0.37
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	20	0.37	0.02	0.37
(1,3292)	1:155:A:VAL:HG13	1:157:A:ALA:HA	20	0.37	0.02	0.37
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	20	0.37	0.02	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2672)	1:106:A:THR:HG22	1:110:A:ARG:H	20	0.37	0.05	0.38
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	20	0.37	0.05	0.38
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	20	0.37	0.05	0.38
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	20	0.37	0.08	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB3	20	0.37	0.08	0.36
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	20	0.37	0.0	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	20	0.37	0.0	0.37
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	20	0.37	0.08	0.39
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	20	0.37	0.04	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	20	0.37	0.01	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	20	0.37	0.01	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB3	20	0.37	0.01	0.37
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	20	0.37	0.03	0.36
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	20	0.37	0.03	0.36
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	20	0.37	0.03	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	20	0.36	0.01	0.36
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	20	0.36	0.07	0.36
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	20	0.36	0.07	0.36
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD22	20	0.36	0.07	0.36
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	20	0.36	0.05	0.37
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	20	0.36	0.04	0.36
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	20	0.36	0.04	0.36
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	20	0.36	0.02	0.36
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	20	0.36	0.02	0.36
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	20	0.36	0.02	0.36
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	20	0.36	0.07	0.34
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	20	0.36	0.07	0.34
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	20	0.36	0.07	0.34
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	20	0.35	0.02	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB1	20	0.35	0.02	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	20	0.35	0.02	0.35
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	20	0.35	0.04	0.36
(1,2816)	1:72:A:VAL:HG21	1:69:A:GLN:HA	20	0.35	0.04	0.36
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	20	0.35	0.04	0.36
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	20	0.35	0.06	0.34
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD21	20	0.35	0.06	0.34
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD22	20	0.35	0.06	0.34
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	20	0.35	0.0	0.35
(1,800)	1:32:A:THR:HG22	1:32:A:THR:HB	20	0.35	0.01	0.35
(1,800)	1:38:A:THR:HG23	1:38:A:THR:HB	20	0.35	0.01	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	20	0.35	0.01	0.35
(1,800)	1:32:A:THR:HG23	1:32:A:THR:HB	20	0.35	0.01	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,800)	1:32:A:THR:HG21	1:32:A:THR:HB	20	0.35	0.01	0.35
(1,3360)	1:148:A:ALA:HB1	1:145:A:ARG:H	20	0.35	0.07	0.36
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	20	0.35	0.07	0.36
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	20	0.35	0.07	0.36
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	20	0.35	0.02	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	20	0.35	0.01	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	20	0.35	0.01	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	20	0.35	0.01	0.35
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	20	0.35	0.02	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG21	20	0.35	0.02	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	20	0.35	0.02	0.34
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	20	0.35	0.01	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	20	0.35	0.01	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG13	20	0.35	0.01	0.35
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	20	0.34	0.12	0.4
(1,3423)	1:176:A:MET:HE3	1:72:A:VAL:HA	20	0.34	0.12	0.4
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	20	0.34	0.05	0.36
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG11	20	0.34	0.05	0.36
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	20	0.34	0.05	0.36
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	20	0.34	0.02	0.34
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	20	0.34	0.11	0.4
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	20	0.34	0.02	0.34
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	20	0.34	0.02	0.34
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG23	20	0.34	0.02	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	20	0.34	0.02	0.34
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	20	0.34	0.33	0.21
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	20	0.34	0.07	0.34
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	20	0.34	0.07	0.34
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD23	20	0.34	0.07	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	20	0.34	0.01	0.34
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG23	20	0.34	0.03	0.34
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	20	0.34	0.03	0.34
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	20	0.34	0.03	0.34
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	20	0.34	0.37	0.19
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG23	20	0.34	0.07	0.34
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	20	0.34	0.07	0.34
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	20	0.34	0.07	0.34
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	20	0.34	0.04	0.35
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	20	0.34	0.04	0.35
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	20	0.34	0.04	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	20	0.34	0.03	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	20	0.34	0.03	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB1	20	0.34	0.03	0.35
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB2	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB1	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB1	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB3	1:105:A:ALA:HB3	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB3	1:105:A:ALA:HB1	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB2	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB3	20	0.34	0.03	0.34
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB3	20	0.34	0.03	0.34
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	20	0.34	0.07	0.34
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	20	0.34	0.05	0.35
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	20	0.34	0.05	0.35
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	20	0.34	0.05	0.35
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	20	0.34	0.01	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB1	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB1	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB1	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB2	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB3	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB2	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB2	20	0.34	0.02	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB3	20	0.34	0.02	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	20	0.33	0.01	0.33
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	20	0.33	0.05	0.32
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	20	0.33	0.05	0.32
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	20	0.33	0.05	0.32
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	20	0.33	0.04	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	20	0.33	0.02	0.34
(1,828)	1:139:A:GLN:HG3	1:139:A:GLN:HB2	20	0.33	0.02	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	20	0.33	0.03	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	20	0.33	0.03	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	20	0.33	0.03	0.34
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	20	0.33	0.03	0.32
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	20	0.33	0.01	0.33
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	20	0.33	0.01	0.33
(1,522)	1:37:A:PRO:HB3	1:37:A:PRO:HA	20	0.33	0.01	0.33
(1,522)	1:12:A:PRO:HA	1:12:A:PRO:HB3	20	0.33	0.01	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	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)
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	20	0.33	0.02	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	20	0.33	0.02	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	20	0.33	0.02	0.33
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	20	0.33	0.03	0.32
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	20	0.32	0.03	0.33
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	20	0.32	0.05	0.32
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	20	0.32	0.04	0.32
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	20	0.32	0.04	0.32
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	20	0.32	0.04	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	20	0.32	0.02	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	20	0.32	0.02	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	20	0.32	0.02	0.32
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	20	0.32	0.02	0.32
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	20	0.32	0.08	0.32
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD23	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD21	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD21	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD22	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD23	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD23	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD22	20	0.32	0.04	0.32
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD21	20	0.32	0.04	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	20	0.32	0.02	0.32
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	20	0.32	0.02	0.32
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	20	0.32	0.04	0.33
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB3	20	0.32	0.04	0.33
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	20	0.32	0.04	0.33
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	20	0.32	0.04	0.32
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	20	0.32	0.08	0.33
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	20	0.32	0.08	0.33
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	20	0.32	0.08	0.33
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	20	0.32	0.03	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	20	0.32	0.03	0.33
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	20	0.32	0.06	0.32
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	20	0.32	0.06	0.32
(1,569)	1:108:A:THR:HG21	1:105:A:ALA:HA	20	0.32	0.06	0.32
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	20	0.32	0.02	0.32
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	20	0.32	0.02	0.32
(1,3612)	1:134:A:LEU:HD13	1:134:A:LEU:HA	20	0.32	0.02	0.32
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	20	0.32	0.02	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	20	0.32	0.01	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	20	0.32	0.0	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	20	0.32	0.0	0.32
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	20	0.32	0.04	0.32
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	20	0.32	0.04	0.32
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD23	20	0.32	0.04	0.32
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	20	0.32	0.04	0.32
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	20	0.32	0.04	0.32
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB1	20	0.32	0.04	0.32
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	20	0.32	0.07	0.31
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	20	0.32	0.07	0.31
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	20	0.32	0.07	0.31
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	20	0.32	0.02	0.32
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	20	0.32	0.02	0.32
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	20	0.32	0.04	0.32
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	20	0.32	0.04	0.32
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	20	0.32	0.03	0.32
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	20	0.32	0.03	0.32
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG23	20	0.32	0.03	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	20	0.32	0.01	0.32
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	20	0.32	0.09	0.3
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	20	0.32	0.09	0.3
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	20	0.31	0.06	0.31
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG11	20	0.31	0.06	0.31
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	20	0.31	0.06	0.31
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	20	0.31	0.01	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB1	20	0.31	0.01	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	20	0.31	0.01	0.32
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	20	0.31	0.01	0.31
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD23	20	0.31	0.07	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	20	0.31	0.07	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	20	0.31	0.07	0.3
(1,3517)	1:75:A:MET:HE3	1:87:A:LEU:HD23	20	0.31	0.07	0.3
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	20	0.31	0.06	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3511)	1:75:A:MET:HE2	1:188:A:TRP:HZ3	20	0.31	0.06	0.32
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	20	0.31	0.05	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB1	20	0.31	0.05	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	20	0.31	0.05	0.3
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	20	0.31	0.01	0.31
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	20	0.31	0.05	0.3
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	20	0.31	0.07	0.29
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG21	20	0.31	0.07	0.29
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	20	0.31	0.07	0.29
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	20	0.31	0.03	0.3
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	20	0.31	0.03	0.3
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB2	20	0.31	0.03	0.3
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	20	0.31	0.03	0.3
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	20	0.31	0.05	0.3
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	20	0.31	0.05	0.3
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB2	20	0.31	0.05	0.3
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	20	0.3	0.05	0.31
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	20	0.3	0.1	0.3
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	20	0.3	0.11	0.26
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD12	20	0.3	0.11	0.26
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD13	20	0.3	0.11	0.26
(1,3518)	1:75:A:MET:HE3	1:87:A:LEU:HD11	20	0.3	0.11	0.26
(1,3518)	1:75:A:MET:HE3	1:87:A:LEU:HD13	20	0.3	0.11	0.26
(1,3518)	1:75:A:MET:HE3	1:87:A:LEU:HD12	20	0.3	0.11	0.26
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	20	0.3	0.02	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	20	0.3	0.02	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	20	0.3	0.02	0.3
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	20	0.3	0.07	0.31
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	20	0.3	0.03	0.3
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	20	0.3	0.03	0.31
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB1	20	0.3	0.03	0.31
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	20	0.3	0.03	0.31
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	20	0.3	0.04	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	20	0.3	0.01	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD13	20	0.3	0.01	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	20	0.3	0.01	0.3
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	20	0.3	0.02	0.3
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	20	0.3	0.04	0.3
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	20	0.3	0.04	0.3
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	20	0.3	0.04	0.3
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	20	0.3	0.07	0.32
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG11	20	0.3	0.07	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	20	0.3	0.07	0.32
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	20	0.3	0.05	0.28
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	20	0.3	0.02	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB1	20	0.3	0.02	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	20	0.3	0.02	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	20	0.29	0.02	0.29
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG21	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG23	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG23	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG23	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG21	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG22	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG22	20	0.29	0.02	0.3
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG21	20	0.29	0.02	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	20	0.29	0.02	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG23	20	0.29	0.02	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG22	20	0.29	0.02	0.3
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG23	20	0.29	0.05	0.31
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	20	0.29	0.05	0.31
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	20	0.29	0.05	0.31
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	20	0.29	0.02	0.28
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	20	0.29	0.02	0.3
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	20	0.29	0.07	0.29
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	20	0.29	0.07	0.29
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB1	20	0.29	0.07	0.29
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	20	0.29	0.02	0.29
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	20	0.29	0.01	0.29
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	20	0.29	0.03	0.3
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG21	20	0.29	0.03	0.3
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG23	20	0.29	0.03	0.3
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	20	0.29	0.08	0.3
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	20	0.29	0.08	0.3
(1,1327)	1:148:A:ALA:HB1	1:162:A:TYR:HE2	20	0.29	0.08	0.3
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	20	0.29	0.07	0.26
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE3	20	0.29	0.07	0.26
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	20	0.29	0.03	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG11	20	0.29	0.03	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	20	0.29	0.03	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	20	0.29	0.01	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	20	0.29	0.01	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	20	0.29	0.01	0.29
(1,2602)	1:178:A:LEU:HD11	1:188:A:TRP:HZ3	20	0.29	0.06	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	20	0.29	0.06	0.27
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	20	0.29	0.06	0.27
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	20	0.29	0.01	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB1	20	0.29	0.01	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	20	0.29	0.01	0.29
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	20	0.29	0.13	0.28
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE3	20	0.29	0.13	0.28
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	20	0.28	0.05	0.28
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	20	0.28	0.05	0.28
(1,850)	1:100:A:LEU:HD21	1:166:A:SER:HA	20	0.28	0.05	0.28
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	20	0.28	0.03	0.28
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	20	0.28	0.03	0.28
(1,1444)	1:86:A:VAL:HG12	1:158:A:HIS:HE1	20	0.28	0.03	0.28
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	20	0.28	0.05	0.27
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	20	0.28	0.05	0.27
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD12	20	0.28	0.05	0.27
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	20	0.28	0.02	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	20	0.28	0.02	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB1	20	0.28	0.02	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	20	0.28	0.02	0.28
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	20	0.28	0.06	0.28
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD2	20	0.28	0.06	0.28
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	20	0.28	0.06	0.29
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	20	0.28	0.06	0.26
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	20	0.28	0.06	0.26
(1,2722)	1:81:A:VAL:HG12	1:75:A:MET:HG2	20	0.28	0.06	0.26
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD21	20	0.27	0.01	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	20	0.27	0.01	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	20	0.27	0.01	0.27
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	20	0.27	0.15	0.2
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB2	20	0.27	0.15	0.2
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	20	0.27	0.02	0.28
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	20	0.27	0.02	0.28
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD22	20	0.27	0.02	0.28
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	20	0.27	0.01	0.27
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	20	0.27	0.07	0.24
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	20	0.27	0.04	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB2	20	0.27	0.04	0.26
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	20	0.27	0.0	0.27
(1,326)	1:185:A:GLU:HG3	1:185:A:GLU:HB3	20	0.27	0.0	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	20	0.27	0.02	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB2	20	0.27	0.02	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	20	0.27	0.02	0.27
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	20	0.27	0.03	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	20	0.27	0.03	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD23	20	0.27	0.03	0.26
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	20	0.27	0.06	0.28
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	20	0.27	0.06	0.28
(1,3241)	1:81:A:VAL:HG23	1:159:A:TYR:HD2	20	0.27	0.06	0.28
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	20	0.27	0.06	0.26
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	20	0.27	0.06	0.26
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD11	20	0.27	0.06	0.26
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	20	0.27	0.02	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG21	20	0.27	0.02	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	20	0.27	0.02	0.27
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	20	0.27	0.03	0.27
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	20	0.27	0.03	0.28
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	20	0.26	0.05	0.28
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	20	0.26	0.06	0.28
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB1	20	0.26	0.06	0.28
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	20	0.26	0.06	0.28
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	20	0.26	0.01	0.27
(1,1063)	1:99:A:SER:H	1:98:A:GLY:HA2	20	0.26	0.01	0.27
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	20	0.26	0.08	0.22
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	20	0.26	0.1	0.22
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	20	0.26	0.1	0.22
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG12	20	0.26	0.1	0.22
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	20	0.26	0.08	0.28
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB3	20	0.26	0.08	0.28
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	20	0.26	0.01	0.26
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	20	0.26	0.07	0.27
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	20	0.26	0.07	0.27
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD12	20	0.26	0.07	0.27
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB1	20	0.26	0.05	0.26
(1,3308)	1:92:A:VAL:HG13	1:102:A:ALA:HB2	20	0.26	0.05	0.26
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB3	20	0.26	0.05	0.26
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB1	20	0.26	0.05	0.26
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB2	20	0.26	0.05	0.26
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB2	20	0.26	0.05	0.26
(1,3308)	1:92:A:VAL:HG13	1:102:A:ALA:HB1	20	0.26	0.05	0.26
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	20	0.26	0.02	0.26
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	20	0.26	0.02	0.26
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	20	0.26	0.03	0.26
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	20	0.26	0.03	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	20	0.26	0.06	0.24
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	20	0.26	0.02	0.25
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	20	0.26	0.02	0.25
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	20	0.26	0.02	0.25
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	20	0.26	0.11	0.2
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	20	0.26	0.04	0.26
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	20	0.26	0.04	0.26
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	20	0.25	0.06	0.28
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	20	0.25	0.04	0.26
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	20	0.25	0.03	0.24
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	20	0.25	0.03	0.24
(1,3522)	1:149:A:ILE:HG23	1:181:A:VAL:HA	20	0.25	0.03	0.24
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	20	0.25	0.05	0.24
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB3	20	0.25	0.05	0.24
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	20	0.25	0.05	0.24
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	20	0.25	0.02	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	20	0.25	0.02	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG13	20	0.25	0.02	0.26
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	20	0.25	0.05	0.25
(1,870)	1:73:A:SER:HB3	1:69:A:GLN:HE22	20	0.25	0.05	0.25
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG22	20	0.25	0.03	0.26
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	20	0.25	0.03	0.26
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	20	0.25	0.03	0.26
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	20	0.25	0.08	0.22
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	20	0.25	0.01	0.25
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	20	0.25	0.01	0.25
(1,3317)	1:92:A:VAL:HG13	1:93:A:ASN:HA	20	0.25	0.01	0.25
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	20	0.25	0.01	0.25
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	20	0.25	0.03	0.25
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB3	20	0.25	0.03	0.25
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	20	0.25	0.03	0.25
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	20	0.25	0.08	0.26
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG21	20	0.25	0.08	0.26
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	20	0.25	0.08	0.26
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	20	0.25	0.02	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	20	0.25	0.02	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	20	0.25	0.02	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG13	20	0.25	0.02	0.25
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	20	0.25	0.04	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	20	0.25	0.04	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG12	20	0.25	0.04	0.24
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	20	0.25	0.02	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	20	0.25	0.03	0.25
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	20	0.25	0.06	0.24
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	20	0.25	0.06	0.24
(1,1432)	1:178:A:LEU:HD21	1:119:A:PHE:HZ	20	0.25	0.06	0.24
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	20	0.25	0.09	0.25
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	20	0.25	0.09	0.25
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD13	20	0.25	0.09	0.25
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	20	0.25	0.06	0.28
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	20	0.25	0.03	0.25
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	20	0.25	0.03	0.25
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB1	20	0.25	0.03	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	20	0.25	0.02	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	20	0.25	0.02	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	20	0.25	0.02	0.25
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	20	0.25	0.04	0.24
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	20	0.25	0.07	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB3	20	0.25	0.07	0.22
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	20	0.25	0.02	0.24
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	20	0.25	0.02	0.24
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG13	20	0.25	0.02	0.24
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	20	0.25	0.02	0.25
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	20	0.24	0.04	0.26
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB1	20	0.24	0.04	0.26
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	20	0.24	0.04	0.26
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	20	0.24	0.04	0.24
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	20	0.24	0.04	0.24
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB3	20	0.24	0.04	0.24
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	20	0.24	0.05	0.23
(1,2657)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	20	0.24	0.05	0.23
(1,2657)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.24	0.05	0.23
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	20	0.24	0.01	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	20	0.24	0.02	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	20	0.24	0.02	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG21	20	0.24	0.02	0.24
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	20	0.24	0.02	0.24
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	20	0.24	0.04	0.24
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	20	0.24	0.04	0.24
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD23	20	0.24	0.04	0.24
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	20	0.24	0.05	0.26
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	20	0.24	0.05	0.25
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	20	0.24	0.03	0.24
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	20	0.24	0.04	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	20	0.24	0.06	0.26
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	20	0.24	0.02	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG21	20	0.24	0.02	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG23	20	0.24	0.02	0.24
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	20	0.24	0.04	0.24
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD13	20	0.24	0.04	0.24
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	20	0.24	0.04	0.24
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD11	20	0.24	0.03	0.24
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	20	0.24	0.03	0.24
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	20	0.24	0.03	0.24
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	20	0.24	0.05	0.24
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD12	20	0.24	0.05	0.24
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD11	20	0.24	0.05	0.24
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	20	0.24	0.03	0.23
(1,68)	1:73:A:SER:HB3	1:72:A:VAL:HB	20	0.24	0.03	0.23
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	20	0.23	0.02	0.24
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	20	0.23	0.02	0.24
(1,737)	1:130:A:ALA:HB3	1:134:A:LEU:HG	20	0.23	0.02	0.24
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG23	20	0.23	0.04	0.24
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	20	0.23	0.04	0.24
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	20	0.23	0.04	0.24
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	20	0.23	0.02	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	20	0.23	0.01	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	20	0.23	0.01	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	20	0.23	0.01	0.23
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	20	0.23	0.04	0.25
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	20	0.23	0.04	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	20	0.23	0.01	0.23
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	20	0.23	0.01	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	20	0.23	0.02	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	20	0.23	0.02	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD23	20	0.23	0.02	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	20	0.23	0.01	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD11	20	0.23	0.01	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD12	20	0.23	0.01	0.23
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	20	0.23	0.04	0.23
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	20	0.23	0.04	0.23
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	20	0.23	0.04	0.23
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	20	0.23	0.02	0.23
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	20	0.23	0.06	0.22
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	20	0.23	0.06	0.22
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	20	0.23	0.06	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	20	0.22	0.03	0.22
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	20	0.22	0.03	0.22
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG22	20	0.22	0.03	0.22
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	20	0.22	0.05	0.24
(1,3173)	1:88:A:LEU:HD11	1:89:A:VAL:H	20	0.22	0.05	0.24
(1,3173)	1:88:A:LEU:HD13	1:89:A:VAL:H	20	0.22	0.05	0.24
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	20	0.22	0.02	0.22
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD23	20	0.22	0.02	0.22
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD21	20	0.22	0.02	0.22
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	20	0.22	0.01	0.22
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	20	0.22	0.01	0.22
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD23	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD22	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD21	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD21	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD22	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD23	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD12	1:76:A:LEU:HD21	20	0.22	0.06	0.24
(1,2656)	1:76:A:LEU:HD12	1:76:A:LEU:HD23	20	0.22	0.06	0.24
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	20	0.22	0.04	0.23
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	20	0.22	0.04	0.23
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	20	0.22	0.04	0.23
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	20	0.22	0.05	0.22
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG23	20	0.22	0.05	0.22
(1,3625)	1:165:A:ALA:HB3	1:96:A:THR:HG21	20	0.22	0.05	0.22
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG22	20	0.22	0.05	0.22
(1,3625)	1:165:A:ALA:HB3	1:96:A:THR:HG23	20	0.22	0.05	0.22
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG21	20	0.22	0.05	0.22
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG21	20	0.22	0.05	0.22
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	20	0.22	0.05	0.2
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	20	0.22	0.05	0.2
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	20	0.22	0.04	0.22
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	20	0.22	0.08	0.21
(1,885)	1:72:A:VAL:HG22	1:71:A:MET:HB2	20	0.22	0.08	0.21
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	20	0.22	0.08	0.21
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	20	0.22	0.02	0.22
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG11	20	0.22	0.05	0.21
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG12	20	0.22	0.05	0.21
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG13	20	0.22	0.05	0.21
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG12	20	0.22	0.05	0.21
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG13	20	0.22	0.05	0.21
(1,3386)	1:148:A:ALA:HB2	1:160:A:VAL:HG13	20	0.22	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG11	20	0.22	0.05	0.21
(1,3386)	1:148:A:ALA:HB2	1:160:A:VAL:HG12	20	0.22	0.05	0.21
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	20	0.22	0.2	0.17
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	20	0.22	0.03	0.22
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	20	0.22	0.03	0.22
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	20	0.22	0.03	0.22
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	20	0.22	0.02	0.22
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	20	0.22	0.03	0.2
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	20	0.22	0.01	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	20	0.22	0.01	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG13	20	0.22	0.01	0.22
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	20	0.22	0.08	0.22
(1,2554)	1:113:A:LEU:HD21	1:119:A:PHE:HD2	20	0.22	0.08	0.22
(1,2554)	1:113:A:LEU:HD22	1:119:A:PHE:HD2	20	0.22	0.08	0.22
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	20	0.21	0.03	0.21
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	20	0.21	0.03	0.21
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD23	20	0.21	0.03	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	20	0.21	0.04	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB2	20	0.21	0.04	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	20	0.21	0.04	0.21
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	20	0.21	0.04	0.2
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	20	0.21	0.03	0.22
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	20	0.21	0.03	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	20	0.21	0.04	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	20	0.21	0.04	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG22	20	0.21	0.04	0.22
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	20	0.21	0.03	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	20	0.21	0.01	0.21
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	20	0.21	0.13	0.18
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB3	20	0.21	0.13	0.18
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	20	0.21	0.01	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG2	20	0.21	0.01	0.21
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	20	0.21	0.04	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	20	0.21	0.04	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	20	0.21	0.04	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD23	20	0.21	0.04	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	20	0.21	0.01	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	20	0.21	0.03	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	20	0.21	0.03	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	20	0.21	0.03	0.21
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	20	0.21	0.02	0.2
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	20	0.2	0.01	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	20	0.2	0.03	0.2
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	20	0.2	0.06	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	20	0.2	0.02	0.2
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	20	0.2	0.02	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	20	0.2	0.01	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	20	0.2	0.01	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD12	20	0.2	0.01	0.2
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD3	20	0.2	0.03	0.21
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	20	0.2	0.03	0.21
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	20	0.2	0.01	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	20	0.2	0.01	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG23	20	0.2	0.01	0.2
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	20	0.2	0.02	0.2
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	20	0.2	0.04	0.18
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	20	0.2	0.0	0.2
(1,3588)	1:59:A:ILE:HD12	1:59:A:ILE:HG13	20	0.2	0.0	0.2
(1,3588)	1:59:A:ILE:HD11	1:59:A:ILE:HG13	20	0.2	0.0	0.2
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	20	0.2	0.07	0.18
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	20	0.2	0.01	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB2	20	0.2	0.01	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	20	0.2	0.01	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB1	20	0.2	0.02	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	20	0.2	0.02	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	20	0.2	0.02	0.2
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	20	0.2	0.04	0.2
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	20	0.2	0.04	0.2
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD23	20	0.2	0.04	0.2
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	20	0.2	0.03	0.19
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	20	0.2	0.05	0.2
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	20	0.2	0.05	0.2
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB3	20	0.2	0.05	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	20	0.19	0.03	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	20	0.19	0.02	0.19
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	20	0.19	0.02	0.19
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	20	0.19	0.02	0.19
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	20	0.19	0.03	0.2
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	20	0.19	0.02	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	20	0.19	0.02	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	20	0.19	0.02	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	20	0.19	0.01	0.19
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	20	0.19	0.05	0.18
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	20	0.19	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	20	0.19	0.01	0.19
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	20	0.19	0.01	0.19
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	20	0.19	0.01	0.19
(1,3902)	1:106:A:THR:HG23	1:106:A:THR:HG1	20	0.19	0.01	0.19
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	20	0.19	0.02	0.19
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	20	0.19	0.04	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB2	20	0.19	0.04	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	20	0.19	0.04	0.18
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	20	0.19	0.02	0.19
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	20	0.19	0.02	0.19
(1,3398)	1:130:A:ALA:HB3	1:130:A:ALA:HA	20	0.19	0.02	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	20	0.18	0.01	0.18
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	20	0.18	0.02	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	20	0.18	0.01	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	20	0.18	0.01	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	20	0.18	0.01	0.18
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	20	0.18	0.02	0.18
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	20	0.18	0.04	0.18
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG13	20	0.18	0.04	0.18
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	20	0.18	0.04	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	20	0.18	0.01	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB3	20	0.18	0.01	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	20	0.18	0.01	0.18
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	20	0.18	0.03	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	20	0.18	0.01	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	20	0.18	0.01	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	20	0.18	0.01	0.18
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	20	0.18	0.03	0.17
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	20	0.18	0.04	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG22	20	0.18	0.04	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	20	0.18	0.04	0.18
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	20	0.18	0.03	0.18
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG22	20	0.18	0.01	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG23	20	0.18	0.01	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	20	0.18	0.01	0.17
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD21	20	0.18	0.02	0.18
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	20	0.18	0.02	0.18
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	20	0.18	0.02	0.18
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	20	0.17	0.03	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	20	0.17	0.02	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	20	0.17	0.02	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG22	20	0.17	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	20	0.17	0.01	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	20	0.17	0.01	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	20	0.17	0.0	0.17
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD13	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD12	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD13	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD11	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD12	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD11	20	0.17	0.03	0.18
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD13	20	0.17	0.03	0.18
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	20	0.17	0.04	0.18
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	20	0.17	0.02	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	20	0.17	0.02	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	20	0.17	0.02	0.17
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	20	0.17	0.03	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	20	0.17	0.02	0.17
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	20	0.17	0.01	0.16
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	20	0.17	0.03	0.16
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	20	0.17	0.03	0.17
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	20	0.17	0.01	0.16
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	20	0.17	0.01	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	20	0.16	0.0	0.16
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	20	0.16	0.01	0.17
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	20	0.16	0.02	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	20	0.16	0.01	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	20	0.16	0.0	0.16
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	20	0.16	0.02	0.17
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	20	0.16	0.02	0.17
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	20	0.16	0.02	0.17
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	20	0.16	0.01	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	20	0.16	0.01	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB3	20	0.16	0.01	0.16
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	20	0.16	0.04	0.15
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	20	0.16	0.03	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	20	0.16	0.03	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG22	20	0.16	0.03	0.17
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	20	0.16	0.01	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	20	0.16	0.01	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	20	0.16	0.02	0.16
(1,223)	1:95:A:ARG:HD3	1:95:A:ARG:HG3	20	0.16	0.02	0.16
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	20	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	20	0.16	0.03	0.15
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	20	0.16	0.01	0.16
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	20	0.15	0.02	0.16
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	20	0.15	0.01	0.15
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	20	0.15	0.02	0.15
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	20	0.15	0.02	0.15
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	20	0.15	0.01	0.16
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	20	0.15	0.01	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	20	0.15	0.01	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	20	0.15	0.01	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB2	20	0.15	0.01	0.15
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	20	0.15	0.02	0.16
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	20	0.15	0.02	0.15
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	20	0.15	0.02	0.15
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	20	0.15	0.02	0.15
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	20	0.15	0.01	0.14
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	20	0.15	0.02	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	20	0.15	0.02	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	20	0.15	0.0	0.15
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	20	0.14	0.01	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	20	0.14	0.0	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	20	0.14	0.0	0.14
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG11	20	0.14	0.02	0.14
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG12	20	0.14	0.02	0.14
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG13	20	0.14	0.02	0.14
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG12	20	0.14	0.02	0.14
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG11	20	0.14	0.02	0.14
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG13	20	0.14	0.02	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	20	0.14	0.01	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD11	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD11	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD12	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD13	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD11	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD13	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD12	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD13	20	0.14	0.01	0.14
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD12	20	0.14	0.01	0.14
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	20	0.14	0.01	0.14
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	20	0.13	0.01	0.14
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	20	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	20	0.13	0.01	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	20	0.13	0.01	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	20	0.13	0.01	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	20	0.13	0.01	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG22	20	0.13	0.01	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	20	0.13	0.01	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	20	0.13	0.0	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	20	0.13	0.01	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	20	0.13	0.01	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG22	20	0.13	0.01	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	20	0.13	0.01	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	20	0.12	0.01	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	20	0.12	0.01	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG21	20	0.12	0.01	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	20	0.12	0.01	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	20	0.12	0.01	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	20	0.11	0.01	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	20	0.11	0.0	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG22	20	0.11	0.0	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	20	0.11	0.0	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	20	0.11	0.0	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	20	0.11	0.0	0.11
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	19	1.64	0.52	1.83
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	19	1.6	0.5	1.59
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD13	19	1.6	0.5	1.59
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	19	1.6	0.5	1.59
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	19	1.52	0.33	1.6
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	19	1.46	0.69	1.81
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	19	1.43	0.12	1.45
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	19	1.43	0.12	1.45
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD23	19	1.43	0.12	1.45
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	19	1.24	0.13	1.27
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	19	1.24	0.13	1.27
(1,1108)	1:111:A:ASN:HD21	1:109:A:LEU:HB2	19	1.22	0.06	1.24
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	19	1.22	0.06	1.24
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	19	1.22	0.06	1.24
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG21	19	1.22	0.06	1.24
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	19	1.22	0.01	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	19	1.22	0.01	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	19	1.22	0.01	1.22
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	19	1.01	0.02	1.02
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	19	0.91	0.09	0.93

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	19	0.91	0.09	0.93
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	19	0.91	0.09	0.93
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD13	19	0.69	0.18	0.74
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	19	0.69	0.18	0.74
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	19	0.69	0.18	0.74
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	19	0.66	0.08	0.66
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB2	19	0.65	0.35	0.63
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB3	19	0.65	0.35	0.63
(1,247)	1:131:A:LYS:HE3	1:136:A:LEU:HB3	19	0.65	0.35	0.63
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB1	19	0.65	0.35	0.63
(1,247)	1:131:A:LYS:HE3	1:142:A:LEU:HB3	19	0.65	0.35	0.63
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	19	0.65	0.03	0.65
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	19	0.65	0.03	0.65
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	19	0.65	0.03	0.65
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	19	0.64	0.06	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	19	0.64	0.06	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD23	19	0.64	0.06	0.63
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	19	0.62	0.03	0.62
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	19	0.62	0.07	0.6
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE1	19	0.62	0.07	0.6
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	19	0.61	0.22	0.58
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	19	0.61	0.22	0.58
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD12	19	0.61	0.22	0.58
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	19	0.6	0.12	0.63
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	19	0.55	0.02	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD12	19	0.55	0.02	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD13	19	0.55	0.02	0.55
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	19	0.53	0.12	0.51
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB2	19	0.52	0.23	0.53
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	19	0.52	0.23	0.53
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	19	0.52	0.23	0.53
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	19	0.49	0.05	0.5
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	19	0.49	0.05	0.5
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	19	0.47	0.16	0.39
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD22	19	0.47	0.16	0.39
(1,3421)	1:176:A:MET:HE2	1:113:A:LEU:HD21	19	0.47	0.16	0.39
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD23	19	0.47	0.16	0.39
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG13	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG11	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD23	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG11	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD21	19	0.47	0.13	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG12	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG13	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG12	19	0.47	0.13	0.5
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD22	19	0.47	0.13	0.5
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	19	0.46	0.16	0.52
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	19	0.43	0.02	0.43
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	19	0.42	0.02	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	19	0.42	0.02	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	19	0.42	0.02	0.42
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	19	0.42	0.11	0.4
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	19	0.42	0.11	0.4
(1,3827)	1:149:A:ILE:HG23	1:153:A:ARG:HE	19	0.42	0.11	0.4
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	19	0.41	0.06	0.41
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG22	19	0.41	0.06	0.41
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	19	0.41	0.06	0.41
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	19	0.41	0.07	0.4
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	19	0.4	0.1	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	19	0.4	0.1	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD12	19	0.4	0.1	0.46
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	19	0.4	0.41	0.14
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	19	0.38	0.37	0.26
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	19	0.38	0.37	0.26
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD22	19	0.38	0.37	0.26
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	19	0.37	0.1	0.42
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	19	0.37	0.1	0.42
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	19	0.36	0.14	0.42
(1,3356)	1:157:A:ALA:HB3	1:126:A:GLN:HE21	19	0.36	0.14	0.42
(1,3356)	1:157:A:ALA:HB1	1:126:A:GLN:HE21	19	0.36	0.14	0.42
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	19	0.36	0.14	0.33
(1,1367)	1:76:A:LEU:HD11	1:119:A:PHE:HE2	19	0.36	0.14	0.33
(1,1367)	1:76:A:LEU:HD12	1:119:A:PHE:HE2	19	0.36	0.14	0.33
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD11	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD12	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD11	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD13	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD13	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD11	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD13	19	0.36	0.18	0.32
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD12	19	0.36	0.18	0.32
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD22	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD22	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD23	19	0.35	0.02	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD21	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD21	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD23	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD23	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD22	19	0.35	0.02	0.35
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD21	19	0.35	0.02	0.35
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	19	0.33	0.08	0.34
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	19	0.31	0.02	0.31
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	19	0.31	0.02	0.31
(1,475)	1:81:A:VAL:HG22	1:75:A:MET:HG3	19	0.31	0.02	0.31
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG22	19	0.3	0.03	0.31
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	19	0.3	0.03	0.31
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	19	0.3	0.03	0.31
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	19	0.3	0.03	0.29
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	19	0.27	0.05	0.27
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	19	0.27	0.05	0.27
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB3	19	0.27	0.05	0.27
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	19	0.27	0.05	0.27
(1,863)	1:166:A:SER:HB3	1:167:A:GLY:HA3	19	0.27	0.05	0.27
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	19	0.27	0.16	0.21
(1,3563)	1:187:A:ILE:HD12	1:178:A:LEU:H	19	0.27	0.16	0.21
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	19	0.27	0.16	0.21
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	19	0.26	0.06	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	19	0.26	0.01	0.26
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	19	0.25	0.29	0.19
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD21	19	0.25	0.29	0.19
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	19	0.25	0.29	0.19
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	19	0.25	0.07	0.23
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	19	0.25	0.07	0.23
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD21	19	0.25	0.07	0.23
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	19	0.24	0.1	0.21
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	19	0.24	0.06	0.24
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	19	0.23	0.02	0.22
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	19	0.23	0.04	0.22
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE1	19	0.23	0.04	0.22
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	19	0.22	0.05	0.24
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	19	0.22	0.04	0.24
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	19	0.22	0.04	0.24
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD13	19	0.22	0.04	0.24
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	19	0.22	0.07	0.21
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB3	19	0.22	0.07	0.21
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD22	19	0.22	0.13	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	19	0.22	0.13	0.15
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	19	0.22	0.13	0.15
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	19	0.22	0.12	0.2
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	19	0.22	0.12	0.2
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	19	0.22	0.12	0.2
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD11	19	0.22	0.12	0.2
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	19	0.22	0.05	0.2
(1,67)	1:73:A:SER:HB3	1:69:A:GLN:HB3	19	0.22	0.05	0.2
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	19	0.21	0.04	0.23
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	19	0.21	0.04	0.23
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG22	19	0.21	0.04	0.23
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	19	0.21	0.06	0.21
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	19	0.21	0.06	0.21
(1,3172)	1:181:A:VAL:HG12	1:159:A:TYR:HD1	19	0.21	0.06	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	19	0.21	0.01	0.21
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	19	0.21	0.08	0.19
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	19	0.21	0.08	0.19
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	19	0.21	0.08	0.19
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	19	0.21	0.01	0.21
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	19	0.21	0.06	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	19	0.2	0.02	0.2
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB2	19	0.19	0.03	0.19
(1,3486)	1:72:A:VAL:HG21	1:112:A:ALA:HB1	19	0.19	0.03	0.19
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB3	19	0.19	0.03	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB1	19	0.19	0.03	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB3	19	0.19	0.03	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB2	19	0.19	0.03	0.19
(1,3486)	1:72:A:VAL:HG21	1:112:A:ALA:HB3	19	0.19	0.03	0.19
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	19	0.19	0.03	0.19
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	19	0.19	0.03	0.19
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD12	19	0.19	0.03	0.19
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	19	0.19	0.04	0.17
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	19	0.18	0.03	0.19
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	19	0.18	0.03	0.19
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG22	19	0.18	0.03	0.19
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	19	0.18	0.03	0.19
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	19	0.18	0.03	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	19	0.18	0.03	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD22	19	0.18	0.03	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD23	19	0.18	0.03	0.19
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	19	0.17	0.03	0.18
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	19	0.17	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG21	19	0.17	0.03	0.18
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	19	0.16	0.02	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	19	0.16	0.03	0.16
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	19	0.16	0.03	0.15
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB3	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD21	1:112:A:ALA:HB3	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD21	1:112:A:ALA:HB2	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD21	1:112:A:ALA:HB1	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB2	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB1	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD22	1:112:A:ALA:HB1	19	0.15	0.04	0.13
(1,3487)	1:113:A:LEU:HD22	1:112:A:ALA:HB2	19	0.15	0.04	0.13
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	19	0.15	0.02	0.15
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD13	19	0.15	0.02	0.15
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	19	0.15	0.02	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	19	0.15	0.02	0.15
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	19	0.15	0.01	0.15
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	19	0.15	0.02	0.15
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	19	0.15	0.02	0.15
(1,1064)	1:35:A:SER:H	1:35:A:SER:HA	19	0.15	0.02	0.15
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	19	0.14	0.03	0.14
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	19	0.14	0.03	0.14
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD12	19	0.14	0.03	0.14
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	19	0.14	0.02	0.14
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	19	0.14	0.02	0.13
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	19	0.13	0.04	0.12
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	19	0.13	0.03	0.13
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	19	0.13	0.01	0.13
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	18	1.44	0.25	1.51
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	18	1.35	0.46	1.42
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD13	18	1.35	0.46	1.42
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD11	18	1.35	0.46	1.42
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	18	1.16	0.14	1.19
(1,233)	1:110:A:ARG:HD2	1:107:A:GLU:H	18	1.16	0.14	1.19
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG23	18	0.83	0.04	0.83
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	18	0.83	0.04	0.83
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	18	0.83	0.04	0.83
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	18	0.82	0.04	0.82
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	18	0.75	0.41	0.8
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB3	18	0.75	0.41	0.8
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB1	18	0.75	0.41	0.8
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	18	0.6	0.11	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	18	0.53	0.18	0.6
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	18	0.49	0.17	0.48
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG11	18	0.49	0.17	0.48
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	18	0.49	0.17	0.48
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	18	0.42	0.1	0.44
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	18	0.42	0.1	0.44
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	18	0.4	0.18	0.29
(1,888)	1:191:A:LYS:HD3	1:192:A:GLY:H	18	0.36	0.08	0.39
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	18	0.36	0.08	0.39
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	18	0.36	0.06	0.37
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	18	0.36	0.14	0.39
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	18	0.36	0.14	0.39
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG12	18	0.36	0.14	0.39
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	18	0.35	0.1	0.35
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD12	18	0.35	0.1	0.35
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	18	0.35	0.1	0.35
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	18	0.34	0.15	0.29
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB3	18	0.34	0.15	0.29
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	18	0.34	0.04	0.33
(1,2646)	1:113:A:LEU:HD22	1:75:A:MET:HE3	18	0.34	0.04	0.33
(1,2646)	1:113:A:LEU:HD23	1:75:A:MET:HE3	18	0.34	0.04	0.33
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	18	0.33	0.09	0.32
(1,1382)	1:87:A:LEU:HD11	1:119:A:PHE:HD2	18	0.33	0.09	0.32
(1,1382)	1:87:A:LEU:HD12	1:119:A:PHE:HD2	18	0.33	0.09	0.32
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	18	0.32	0.11	0.32
(1,228)	1:60:A:ARG:HD3	1:170:A:ASN:HA	18	0.32	0.11	0.32
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	18	0.31	0.08	0.3
(1,761)	1:75:A:MET:HE2	1:178:A:LEU:HG	18	0.31	0.08	0.3
(1,761)	1:75:A:MET:HE1	1:178:A:LEU:HG	18	0.31	0.08	0.3
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG22	18	0.3	0.08	0.28
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	18	0.3	0.08	0.28
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG23	18	0.3	0.08	0.28
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	18	0.3	0.09	0.32
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG21	18	0.3	0.09	0.32
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	18	0.3	0.09	0.32
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	18	0.26	0.1	0.24
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	18	0.26	0.1	0.24
(1,768)	1:151:A:ILE:HD13	1:135:A:GLY:H	18	0.26	0.1	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	18	0.24	0.04	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	18	0.24	0.04	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG23	18	0.24	0.04	0.24
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	18	0.24	0.07	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	18	0.23	0.05	0.22
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	18	0.23	0.05	0.22
(1,3515)	1:113:A:LEU:HD13	1:75:A:MET:HE2	18	0.23	0.05	0.22
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE3	18	0.23	0.05	0.22
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE3	18	0.23	0.05	0.22
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	18	0.22	0.05	0.22
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB1	18	0.22	0.05	0.22
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	18	0.22	0.05	0.22
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	18	0.22	0.05	0.22
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	18	0.21	0.22	0.16
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	18	0.21	0.04	0.22
(1,3545)	1:105:A:ALA:HB2	1:104:A:GLU:HB3	18	0.21	0.04	0.22
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	18	0.21	0.04	0.22
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD22	18	0.21	0.11	0.17
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	18	0.21	0.11	0.17
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD23	18	0.21	0.11	0.17
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	18	0.2	0.05	0.19
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	18	0.2	0.04	0.21
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	18	0.2	0.05	0.22
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	18	0.2	0.04	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE3	18	0.2	0.04	0.21
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	18	0.19	0.03	0.18
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	18	0.19	0.05	0.18
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG13	18	0.19	0.05	0.18
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG12	18	0.19	0.05	0.18
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	18	0.19	0.03	0.19
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	18	0.18	0.02	0.18
(1,1435)	1:100:A:LEU:HD23	1:62:A:TYR:HD2	18	0.18	0.02	0.18
(1,1435)	1:100:A:LEU:HD21	1:62:A:TYR:HD2	18	0.18	0.02	0.18
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	18	0.18	0.04	0.17
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	18	0.18	0.04	0.17
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG22	18	0.18	0.04	0.17
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	18	0.17	0.04	0.16
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	18	0.17	0.04	0.16
(1,3378)	1:174:A:LEU:HD22	1:68:A:MET:HE3	18	0.17	0.04	0.16
(1,3378)	1:174:A:LEU:HD22	1:68:A:MET:HE1	18	0.17	0.04	0.16
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE1	18	0.17	0.04	0.16
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	18	0.17	0.03	0.18
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	18	0.17	0.03	0.16
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG22	18	0.17	0.03	0.16
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG23	18	0.17	0.03	0.16
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	18	0.16	0.04	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	18	0.16	0.04	0.15
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	18	0.16	0.02	0.16
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	18	0.14	0.02	0.14
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD11	18	0.14	0.02	0.14
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	18	0.14	0.02	0.14
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	18	0.14	0.02	0.14
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	18	0.14	0.03	0.14
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB1	18	0.14	0.03	0.14
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB3	18	0.14	0.03	0.14
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB2	18	0.14	0.03	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB3	18	0.14	0.03	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	18	0.14	0.03	0.12
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	18	0.14	0.02	0.13
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	18	0.13	0.01	0.14
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	18	0.12	0.01	0.12
(1,3301)	1:193:A:ALA:HB2	1:193:A:ALA:HA	18	0.11	0.01	0.11
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	18	0.11	0.01	0.11
(1,3301)	1:193:A:ALA:HB3	1:193:A:ALA:HA	18	0.11	0.01	0.11
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD12	17	1.22	0.09	1.22
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG11	17	1.22	0.09	1.22
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG13	17	1.22	0.09	1.22
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD11	17	1.22	0.09	1.22
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG12	17	1.22	0.09	1.22
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	17	1.03	0.05	1.05
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG23	17	0.83	0.15	0.81
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD13	17	0.83	0.15	0.81
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD12	17	0.83	0.15	0.81
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD11	17	0.83	0.15	0.81
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG22	17	0.83	0.15	0.81
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG21	17	0.83	0.15	0.81
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	17	0.75	0.24	0.81
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	17	0.55	0.1	0.57
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	17	0.52	0.18	0.52
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG22	17	0.52	0.18	0.52
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG21	17	0.52	0.18	0.52
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD21	17	0.52	0.18	0.52
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD22	17	0.52	0.18	0.52
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD23	17	0.52	0.18	0.52
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	17	0.48	0.07	0.5
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB2	17	0.48	0.07	0.5
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB3	17	0.48	0.07	0.5
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	17	0.45	0.04	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	17	0.38	0.51	0.15
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	17	0.38	0.04	0.38
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB3	17	0.38	0.04	0.38
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB2	17	0.38	0.04	0.38
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD13	17	0.36	0.06	0.37
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	17	0.36	0.06	0.37
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	17	0.36	0.06	0.37
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	17	0.35	0.1	0.35
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	17	0.34	0.1	0.35
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB3	17	0.34	0.1	0.35
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB2	17	0.34	0.1	0.35
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	17	0.34	0.17	0.31
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	17	0.34	0.17	0.31
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB3	17	0.3	0.09	0.32
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	17	0.3	0.09	0.32
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	17	0.3	0.09	0.32
(1,743)	1:114:A:ALA:HB1	1:111:A:ASN:HD21	17	0.3	0.09	0.32
(1,743)	1:114:A:ALA:HB2	1:111:A:ASN:HD21	17	0.3	0.09	0.32
(1,743)	1:114:A:ALA:HB3	1:111:A:ASN:HD21	17	0.3	0.09	0.32
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	17	0.26	0.03	0.26
(1,242)	1:74:A:LYS:HE3	1:71:A:MET:HA	17	0.26	0.08	0.25
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	17	0.26	0.08	0.25
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	17	0.26	0.09	0.24
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	17	0.26	0.09	0.24
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG22	17	0.26	0.09	0.24
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	17	0.25	0.05	0.26
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	17	0.25	0.04	0.26
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD21	17	0.25	0.04	0.26
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD23	17	0.25	0.04	0.26
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	17	0.17	0.04	0.17
(1,532)	1:33:A:VAL:H	1:32:A:THR:HA	17	0.17	0.04	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	17	0.17	0.0	0.17
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	17	0.16	0.02	0.16
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	17	0.16	0.02	0.15
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB3	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG11	1:165:A:ALA:HB3	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB2	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB1	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB1	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB3	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG11	1:165:A:ALA:HB2	17	0.15	0.04	0.14
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB2	17	0.15	0.04	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3531)	1:105:A:ALA:HB2	1:101:A:ASN:HA	17	0.15	0.04	0.14
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	17	0.15	0.04	0.14
(1,3531)	1:105:A:ALA:HB3	1:101:A:ASN:HA	17	0.15	0.04	0.14
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	17	0.15	0.02	0.14
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	17	0.15	0.03	0.14
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	17	0.15	0.03	0.14
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	17	0.14	0.02	0.14
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	17	0.13	0.02	0.13
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	17	0.13	0.02	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	17	0.13	0.02	0.13
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	17	0.12	0.02	0.12
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	17	0.12	0.01	0.11
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	16	1.07	0.32	1.13
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	16	0.99	0.05	0.98
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	16	0.91	0.17	0.93
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	16	0.91	0.17	0.93
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD22	16	0.91	0.17	0.93
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	16	0.7	0.03	0.7
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	16	0.68	0.2	0.8
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE2	16	0.68	0.2	0.8
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	16	0.48	0.08	0.45
(1,891)	1:191:A:LYS:HE2	1:175:A:GLN:HG2	16	0.48	0.08	0.45
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	16	0.46	0.41	0.21
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	16	0.4	0.12	0.38
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD13	16	0.4	0.12	0.38
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD11	16	0.4	0.12	0.38
(1,32)	1:163:A:SER:HB3	1:174:A:LEU:HD23	16	0.4	0.12	0.38
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	16	0.38	0.12	0.4
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	16	0.38	0.12	0.4
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	16	0.36	0.03	0.36
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG12	16	0.36	0.03	0.36
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG11	16	0.36	0.03	0.36
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD23	16	0.34	0.04	0.35
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	16	0.34	0.04	0.35
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	16	0.34	0.04	0.35
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	16	0.33	0.1	0.33
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	16	0.3	0.05	0.3
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	16	0.28	0.09	0.31
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG23	16	0.28	0.09	0.31
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	16	0.28	0.07	0.27
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	16	0.28	0.07	0.27
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	16	0.28	0.04	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	16	0.27	0.07	0.28
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	16	0.27	0.07	0.28
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG22	16	0.27	0.07	0.28
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD23	16	0.26	0.04	0.26
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	16	0.26	0.04	0.26
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	16	0.26	0.04	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	16	0.26	0.02	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	16	0.26	0.02	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD13	16	0.26	0.02	0.26
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	16	0.24	0.07	0.21
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	16	0.23	0.08	0.22
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	16	0.23	0.09	0.2
(1,890)	1:191:A:LYS:HE2	1:175:A:GLN:HG3	16	0.23	0.09	0.2
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	16	0.23	0.15	0.18
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	16	0.23	0.15	0.18
(1,3364)	1:148:A:ALA:HB1	1:142:A:LEU:H	16	0.23	0.15	0.18
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG22	16	0.21	0.03	0.2
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG23	16	0.21	0.03	0.2
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	16	0.21	0.03	0.2
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	16	0.2	0.06	0.2
(1,3244)	1:81:A:VAL:HG13	1:119:A:PHE:HZ	16	0.2	0.06	0.2
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	16	0.2	0.06	0.2
(1,3244)	1:81:A:VAL:HG12	1:119:A:PHE:HZ	16	0.2	0.06	0.2
(1,3626)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	16	0.19	0.04	0.2
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	16	0.19	0.04	0.2
(1,3626)	1:105:A:ALA:HB3	1:165:A:ALA:HB1	16	0.19	0.04	0.2
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB1	16	0.19	0.04	0.2
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	16	0.19	0.04	0.2
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB2	16	0.19	0.04	0.2
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB3	16	0.19	0.04	0.2
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG11	16	0.19	0.06	0.2
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	16	0.19	0.06	0.2
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG13	16	0.19	0.06	0.2
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	16	0.19	0.11	0.14
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	16	0.19	0.11	0.14
(1,736)	1:148:A:ALA:HB1	1:142:A:LEU:HB2	16	0.19	0.11	0.14
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	16	0.18	0.04	0.18
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB1	16	0.18	0.04	0.18
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB2	16	0.18	0.04	0.18
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	16	0.17	0.05	0.16
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG22	16	0.17	0.05	0.16
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG21	16	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	16	0.16	0.03	0.16
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB2	16	0.16	0.03	0.16
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	16	0.16	0.03	0.16
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	16	0.16	0.04	0.15
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG23	16	0.16	0.04	0.15
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	16	0.16	0.04	0.15
(1,894)	1:64:A:TRP:HE1	1:64:A:TRP:HB2	16	0.16	0.03	0.16
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	16	0.16	0.03	0.16
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	16	0.15	0.04	0.15
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	16	0.15	0.04	0.13
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	16	0.14	0.02	0.14
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	16	0.14	0.02	0.14
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	16	0.13	0.03	0.11
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	16	0.13	0.01	0.13
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	16	0.12	0.01	0.12
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	16	0.12	0.01	0.12
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	15	1.69	0.8	1.82
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD22	15	1.69	0.8	1.82
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD23	15	1.69	0.8	1.82
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	15	0.68	0.05	0.69
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	15	0.5	0.47	0.37
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	15	0.49	0.03	0.48
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG3	15	0.48	0.41	0.19
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	15	0.48	0.41	0.19
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	15	0.44	0.03	0.44
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	15	0.32	0.11	0.33
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG21	15	0.32	0.11	0.33
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG22	15	0.32	0.11	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	15	0.31	0.02	0.31
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	15	0.27	0.09	0.27
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	15	0.27	0.09	0.27
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG22	15	0.27	0.09	0.27
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	15	0.25	0.08	0.23
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	15	0.25	0.09	0.28
(1,978)	1:176:A:MET:H	1:71:A:MET:HE1	15	0.25	0.09	0.28
(1,462)	1:91:A:SER:H	1:142:A:LEU:HD12	15	0.24	0.07	0.24
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	15	0.24	0.07	0.24
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD11	15	0.24	0.07	0.24
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD12	15	0.24	0.07	0.24
(1,462)	1:91:A:SER:H	1:142:A:LEU:HD11	15	0.24	0.07	0.24
(1,3640)	1:180:A:LEU:HD13	1:183:A:THR:HB	15	0.22	0.05	0.23
(1,3640)	1:180:A:LEU:HD11	1:183:A:THR:HB	15	0.22	0.05	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	15	0.22	0.05	0.23
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	15	0.21	0.06	0.24
(1,879)	1:58:A:HIS:HB3	1:57:A:PRO:HA	15	0.21	0.06	0.24
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	15	0.18	0.1	0.15
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB2	15	0.18	0.1	0.15
(1,229)	1:60:A:ARG:HD3	1:60:A:ARG:HG2	15	0.17	0.05	0.17
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	15	0.17	0.05	0.17
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	15	0.17	0.06	0.15
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	15	0.17	0.02	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	15	0.17	0.01	0.17
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB3	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB1	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG23	1:130:A:ALA:HB3	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB1	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB2	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB3	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG23	1:130:A:ALA:HB1	15	0.16	0.03	0.17
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB2	15	0.16	0.03	0.17
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	15	0.16	0.05	0.13
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	15	0.15	0.03	0.15
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	15	0.15	0.02	0.15
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	15	0.14	0.01	0.14
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	15	0.13	0.01	0.12
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB1	14	0.83	0.38	0.8
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB3	14	0.83	0.38	0.8
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB2	14	0.83	0.38	0.8
(1,878)	1:128:A:SER:HB2	1:127:A:LEU:HG	14	0.83	0.38	0.8
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB1	14	0.78	0.38	0.74
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB3	14	0.78	0.38	0.74
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB2	14	0.78	0.38	0.74
(1,877)	1:128:A:SER:HB2	1:127:A:LEU:HG	14	0.78	0.38	0.74
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB3	14	0.44	0.12	0.47
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	14	0.44	0.12	0.47
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	14	0.41	0.23	0.44
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG2	14	0.41	0.23	0.44
(1,3226)	1:76:A:LEU:HD21	1:82:A:THR:H	14	0.38	0.61	0.23
(1,3226)	1:76:A:LEU:HD22	1:82:A:THR:H	14	0.38	0.61	0.23
(1,3226)	1:76:A:LEU:HD23	1:82:A:THR:H	14	0.38	0.61	0.23
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	14	0.37	0.03	0.36
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	14	0.35	0.09	0.36
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	14	0.35	0.09	0.36
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG22	14	0.35	0.09	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG23	14	0.27	0.12	0.29
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	14	0.27	0.12	0.29
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG22	14	0.27	0.12	0.29
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	14	0.26	0.04	0.26
(1,1096)	1:139:A:GLN:H	1:138:A:PRO:HD2	14	0.26	0.04	0.26
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	14	0.25	0.03	0.26
(1,1008)	1:7:A:GLN:H	1:6:A:GLY:HA3	14	0.25	0.03	0.26
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	14	0.24	0.08	0.25
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD12	14	0.24	0.08	0.25
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD11	14	0.24	0.08	0.25
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	14	0.24	0.08	0.26
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE1	14	0.24	0.08	0.26
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD13	14	0.23	0.15	0.18
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	14	0.23	0.15	0.18
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD11	14	0.23	0.15	0.18
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	14	0.23	0.07	0.21
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	14	0.22	0.0	0.22
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	14	0.21	0.24	0.12
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB3	14	0.18	0.05	0.18
(1,3312)	1:92:A:VAL:HG13	1:105:A:ALA:HB1	14	0.18	0.05	0.18
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB1	14	0.18	0.05	0.18
(1,3312)	1:92:A:VAL:HG11	1:105:A:ALA:HB2	14	0.18	0.05	0.18
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB2	14	0.18	0.05	0.18
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	14	0.15	0.04	0.15
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG12	14	0.15	0.03	0.15
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG13	14	0.15	0.03	0.15
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG11	14	0.15	0.03	0.15
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	14	0.15	0.02	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	14	0.14	0.02	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	14	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	14	0.14	0.02	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	14	0.14	0.02	0.14
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	14	0.13	0.03	0.12
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	14	0.13	0.01	0.13
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	14	0.12	0.01	0.12
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG22	13	0.85	0.98	0.38
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	13	0.85	0.98	0.38
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG21	13	0.85	0.98	0.38
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	13	0.58	0.19	0.62
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD13	13	0.54	0.2	0.55
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD12	13	0.54	0.2	0.55
(1,248)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	13	0.54	0.2	0.55
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD11	13	0.54	0.2	0.55
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	13	0.52	0.03	0.52
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE1	13	0.52	0.03	0.52
(1,713)	1:67:A:ALA:HB3	1:71:A:MET:HE2	13	0.34	0.14	0.41
(1,713)	1:67:A:ALA:HB1	1:71:A:MET:HE2	13	0.34	0.14	0.41
(1,713)	1:67:A:ALA:HB2	1:71:A:MET:HE2	13	0.34	0.14	0.41
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG23	13	0.32	0.11	0.34
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG21	13	0.32	0.11	0.34
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG22	13	0.32	0.11	0.34
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	13	0.27	0.1	0.26
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE2	13	0.27	0.1	0.26
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD12	13	0.25	0.09	0.23
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD21	13	0.25	0.09	0.23
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD23	13	0.25	0.09	0.23
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD11	13	0.25	0.09	0.23
(1,246)	1:74:A:LYS:HE3	1:188:A:TRP:HZ2	13	0.23	0.1	0.19
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	13	0.23	0.1	0.19
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	13	0.21	0.02	0.2
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	13	0.21	0.08	0.19
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	13	0.2	0.04	0.21
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD2	13	0.2	0.04	0.21
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	13	0.19	0.06	0.17
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	13	0.18	0.06	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	13	0.18	0.04	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG22	13	0.18	0.04	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG23	13	0.18	0.04	0.18
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	13	0.18	0.16	0.14
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD3	13	0.18	0.16	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3415)	1:187:A:ILE:HG23	1:159:A:TYR:HE2	13	0.18	0.05	0.16
(1,3415)	1:187:A:ILE:HG21	1:159:A:TYR:HE2	13	0.18	0.05	0.16
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	13	0.18	0.05	0.16
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	13	0.16	0.03	0.17
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	13	0.14	0.03	0.13
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	13	0.14	0.02	0.13
(1,422)	1:125:A:GLN:HB2	1:123:A:SER:HB2	13	0.14	0.02	0.13
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	13	0.12	0.01	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	13	0.12	0.01	0.12
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	13	0.12	0.01	0.11
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB3	13	0.12	0.02	0.11
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB1	13	0.12	0.02	0.11
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB2	13	0.12	0.02	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD21	13	0.11	0.0	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	13	0.11	0.0	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD23	13	0.11	0.0	0.11
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	12	0.99	0.09	1.0
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	12	0.7	0.4	0.74
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	12	0.41	0.13	0.45
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	12	0.31	0.02	0.32
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	12	0.27	0.22	0.16
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD23	12	0.26	0.23	0.22
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD21	12	0.26	0.23	0.22
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD22	12	0.26	0.23	0.22
(1,1284)	1:196:A:GLN:HE22	1:169:A:VAL:HG22	12	0.26	0.23	0.22
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	12	0.24	0.02	0.24
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	12	0.22	0.04	0.22
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD12	12	0.22	0.04	0.22
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD11	12	0.22	0.04	0.22
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	12	0.22	0.22	0.12
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	12	0.18	0.02	0.18
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	12	0.18	0.02	0.18
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	12	0.18	0.08	0.14
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	12	0.18	0.05	0.16
(1,1439)	1:178:A:LEU:HD13	1:159:A:TYR:HD2	12	0.17	0.04	0.18
(1,1439)	1:178:A:LEU:HD12	1:159:A:TYR:HD2	12	0.17	0.04	0.18
(1,1439)	1:178:A:LEU:HD11	1:159:A:TYR:HD2	12	0.17	0.04	0.18
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	12	0.16	0.04	0.16
(1,121)	1:191:A:LYS:HA	1:176:A:MET:HG2	12	0.15	0.04	0.15
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	12	0.15	0.04	0.15
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	12	0.14	0.03	0.16
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	12	0.14	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	12	0.14	0.02	0.14
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG21	12	0.14	0.02	0.14
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG23	12	0.14	0.02	0.14
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG12	12	0.14	0.03	0.12
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	12	0.14	0.03	0.12
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG11	12	0.14	0.03	0.12
(1,3433)	1:102:A:ALA:HB1	1:93:A:ASN:HA	12	0.12	0.02	0.12
(1,3433)	1:102:A:ALA:HB3	1:93:A:ASN:HA	12	0.12	0.02	0.12
(1,3433)	1:102:A:ALA:HB2	1:93:A:ASN:HA	12	0.12	0.02	0.12
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	12	0.12	0.02	0.12
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	12	0.11	0.01	0.11
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	11	1.58	0.67	2.02
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD21	11	1.58	0.67	2.02
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD12	11	1.37	0.58	1.6
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD13	11	1.37	0.58	1.6
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD11	11	1.37	0.58	1.6
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	11	0.73	0.25	0.77
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	11	0.52	0.63	0.13
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	11	0.4	0.01	0.39
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	11	0.39	0.11	0.38
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG21	11	0.39	0.11	0.38
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG12	11	0.39	0.11	0.38
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG22	11	0.39	0.11	0.38
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG11	11	0.39	0.11	0.38
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	11	0.35	0.3	0.14
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	11	0.32	0.09	0.27
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	11	0.28	0.01	0.28
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	11	0.24	0.12	0.2
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	11	0.2	0.06	0.21
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB1	11	0.2	0.06	0.21
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB2	11	0.2	0.06	0.21
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	11	0.18	0.06	0.18
(1,1100)	1:170:A:ASN:HD22	1:60:A:ARG:HE	11	0.18	0.05	0.17
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	11	0.18	0.05	0.17
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	11	0.17	0.07	0.14
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	11	0.16	0.04	0.15
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG23	11	0.15	0.03	0.15
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG21	11	0.15	0.03	0.15
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG22	11	0.15	0.03	0.15
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	11	0.14	0.03	0.13
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB2	11	0.14	0.03	0.13
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB1	11	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	11	0.14	0.03	0.13
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	11	0.13	0.01	0.13
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	11	0.13	0.02	0.13
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	11	0.13	0.02	0.13
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	11	0.12	0.02	0.12
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	11	0.12	0.01	0.12
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	11	0.11	0.01	0.12
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	10	1.69	0.84	2.28
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD22	10	1.69	0.84	2.28
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	10	1.15	0.09	1.15
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	10	0.72	0.05	0.74
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	10	0.62	0.07	0.63
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG2	10	0.62	0.07	0.63
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG12	10	0.51	0.3	0.51
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG11	10	0.51	0.3	0.51
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG13	10	0.51	0.3	0.51
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG23	10	0.51	0.3	0.51
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	10	0.45	0.18	0.44
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HA	10	0.43	0.15	0.5
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	10	0.43	0.15	0.5
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	10	0.32	0.03	0.32
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD22	10	0.31	0.09	0.3
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD23	10	0.31	0.09	0.3
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD21	10	0.31	0.09	0.3
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG12	10	0.26	0.13	0.22
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG13	10	0.26	0.13	0.22
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG11	10	0.26	0.13	0.22
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	10	0.25	0.06	0.27
(1,823)	1:151:A:ILE:HD13	1:147:A:LYS:HB3	10	0.18	0.06	0.16
(1,823)	1:151:A:ILE:HD11	1:147:A:LYS:HB3	10	0.18	0.06	0.16
(1,823)	1:151:A:ILE:HD12	1:147:A:LYS:HB3	10	0.18	0.06	0.16
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB2	10	0.16	0.03	0.16
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB1	10	0.16	0.03	0.16
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB3	10	0.16	0.03	0.16
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	10	0.15	0.04	0.14
(1,1168)	1:197:A:GLN:H	1:64:A:TRP:HD1	10	0.15	0.04	0.14
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	10	0.14	0.01	0.14
(1,1348)	1:105:A:ALA:HB1	1:64:A:TRP:HH2	10	0.14	0.01	0.14
(1,1348)	1:105:A:ALA:HB2	1:64:A:TRP:HH2	10	0.14	0.01	0.14
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	10	0.14	0.02	0.13
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	10	0.13	0.02	0.14
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	10	0.13	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD23	10	0.13	0.02	0.12
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD21	10	0.13	0.02	0.12
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD22	10	0.13	0.02	0.12
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	10	0.13	0.02	0.12
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	10	0.12	0.02	0.12
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	10	0.11	0.01	0.11
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	10	0.11	0.01	0.11
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD22	9	0.63	0.02	0.62
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD21	9	0.63	0.02	0.62
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD23	9	0.63	0.02	0.62
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	9	0.56	0.22	0.49
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	9	0.38	0.35	0.15
(1,343)	1:71:A:MET:HG3	1:70:A:PRO:HB3	9	0.38	0.35	0.15
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	9	0.36	0.2	0.42
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	9	0.3	0.09	0.31
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB2	9	0.3	0.09	0.31
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	9	0.27	0.05	0.25
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	9	0.26	0.13	0.23
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG22	9	0.26	0.09	0.24
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG21	9	0.26	0.09	0.24
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG23	9	0.26	0.09	0.24
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	9	0.25	0.13	0.16
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB2	9	0.25	0.13	0.16
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	9	0.19	0.05	0.21
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB2	9	0.18	0.04	0.18
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB3	9	0.18	0.04	0.18
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB1	9	0.18	0.04	0.18
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	9	0.17	0.06	0.14
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG22	9	0.17	0.08	0.14
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG21	9	0.17	0.08	0.14
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG23	9	0.17	0.08	0.14
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	9	0.17	0.02	0.17
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	9	0.17	0.04	0.16
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	9	0.16	0.05	0.15
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	9	0.14	0.03	0.14
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	9	0.14	0.02	0.13
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	9	0.14	0.03	0.13
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	9	0.13	0.02	0.14
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	9	0.13	0.03	0.12
(1,3380)	1:92:A:VAL:HG23	1:68:A:MET:HE1	9	0.13	0.02	0.12
(1,3380)	1:92:A:VAL:HG22	1:68:A:MET:HE1	9	0.13	0.02	0.12
(1,3380)	1:92:A:VAL:HG21	1:68:A:MET:HE1	9	0.13	0.02	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG11	9	0.12	0.02	0.12
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG12	9	0.12	0.02	0.12
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG13	9	0.12	0.02	0.12
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	9	0.12	0.01	0.12
(1,403)	1:191:A:LYS:HD3	1:191:A:LYS:HA	9	0.12	0.01	0.12
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	9	0.12	0.02	0.11
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	9	0.11	0.01	0.1
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD21	8	0.9	0.59	0.64
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD22	8	0.9	0.59	0.64
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	8	0.83	0.56	1.19
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	8	0.83	0.56	1.19
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	8	0.83	0.56	1.19
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG11	8	0.72	0.1	0.74
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG13	8	0.72	0.1	0.74
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG21	8	0.72	0.1	0.74
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG12	8	0.72	0.1	0.74
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	8	0.48	0.27	0.4
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	8	0.48	0.12	0.52
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD22	8	0.4	0.21	0.36
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD23	8	0.4	0.21	0.36
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	8	0.4	0.14	0.38
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG2	8	0.38	0.15	0.35
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG3	8	0.38	0.15	0.35
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG12	8	0.34	0.1	0.31
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG13	8	0.34	0.1	0.31
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG11	8	0.34	0.1	0.31
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD21	8	0.34	0.11	0.33
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD22	8	0.34	0.11	0.33
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD11	8	0.34	0.11	0.33
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD13	8	0.32	0.22	0.34
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD12	8	0.32	0.22	0.34
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD12	8	0.32	0.22	0.34
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD11	8	0.32	0.22	0.34
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD11	8	0.32	0.22	0.34
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD13	8	0.32	0.22	0.34
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	8	0.29	0.04	0.3
(1,3441)	1:174:A:LEU:HD21	1:71:A:MET:HE1	8	0.28	0.08	0.29
(1,3441)	1:174:A:LEU:HD23	1:71:A:MET:HE1	8	0.28	0.08	0.29
(1,3441)	1:174:A:LEU:HD22	1:71:A:MET:HE1	8	0.28	0.08	0.29
(1,551)	1:74:A:LYS:HE2	1:74:A:LYS:HA	8	0.25	0.08	0.23
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	8	0.25	0.08	0.23
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	8	0.21	0.23	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	8	0.21	0.23	0.13
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	8	0.21	0.23	0.13
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	8	0.21	0.23	0.13
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	8	0.21	0.23	0.13
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	8	0.21	0.23	0.13
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	8	0.2	0.07	0.18
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG3	8	0.2	0.07	0.18
(1,1179)	1:64:A:TRP:H	1:197:A:GLN:HE21	8	0.2	0.1	0.16
(1,1179)	1:64:A:TRP:H	1:61:A:HIS:HD2	8	0.2	0.1	0.16
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	8	0.18	0.05	0.18
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB3	8	0.17	0.06	0.16
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB2	8	0.17	0.06	0.16
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB1	8	0.17	0.06	0.16
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	8	0.16	0.04	0.15
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	8	0.16	0.07	0.14
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB2	8	0.16	0.07	0.14
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	8	0.16	0.05	0.16
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD12	8	0.15	0.04	0.15
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD13	8	0.15	0.04	0.15
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD11	8	0.15	0.04	0.15
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB2	8	0.14	0.03	0.14
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB3	8	0.14	0.03	0.14
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB1	8	0.14	0.03	0.14
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	8	0.14	0.02	0.14
(1,779)	1:71:A:MET:H	1:192:A:GLY:HA3	8	0.12	0.01	0.12
(1,779)	1:190:A:GLY:HA2	1:188:A:TRP:HZ3	8	0.12	0.01	0.12
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	8	0.12	0.02	0.11
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	8	0.12	0.01	0.11
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	8	0.11	0.01	0.11
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	8	0.11	0.01	0.12
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	8	0.11	0.01	0.11
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	8	0.11	0.01	0.11
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	8	0.11	0.01	0.11
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	8	0.11	0.0	0.11
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG23	1:160:A:VAL:HG12	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG12	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG13	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG21	1:160:A:VAL:HG13	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG23	1:160:A:VAL:HG13	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG21	1:160:A:VAL:HG12	8	0.11	0.0	0.11
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG11	8	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,782)	1:16:A:VAL:HG21	1:16:A:VAL:HB	8	0.1	0.0	0.1
(1,782)	1:16:A:VAL:HG22	1:16:A:VAL:HB	8	0.1	0.0	0.1
(1,782)	1:16:A:VAL:HG13	1:16:A:VAL:HB	8	0.1	0.0	0.1
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	7	1.35	0.01	1.35
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	7	0.96	0.15	1.05
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	7	0.6	0.24	0.76
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	7	0.38	0.02	0.39
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	7	0.34	0.18	0.32
(1,1279)	1:115:A:ASN:HD22	1:112:A:ALA:HB3	7	0.34	0.18	0.32
(1,1279)	1:115:A:ASN:HD22	1:112:A:ALA:HB2	7	0.34	0.18	0.32
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	7	0.34	0.18	0.32
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB3	7	0.34	0.18	0.32
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	7	0.31	0.09	0.34
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG2	7	0.31	0.09	0.34
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	7	0.28	0.03	0.29
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE2	7	0.28	0.03	0.29
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	7	0.21	0.07	0.2
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	7	0.2	0.09	0.15
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	7	0.2	0.08	0.22
(1,1080)	1:32:A:THR:H	1:32:A:THR:HB	7	0.2	0.04	0.2
(1,1080)	1:38:A:THR:H	1:38:A:THR:HB	7	0.2	0.04	0.2
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	7	0.17	0.02	0.17
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	7	0.17	0.0	0.17
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	7	0.17	0.02	0.17
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD13	7	0.16	0.04	0.15
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD11	7	0.16	0.04	0.15
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD12	7	0.16	0.04	0.15
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD23	7	0.16	0.06	0.14
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD21	7	0.16	0.06	0.14
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD22	7	0.16	0.06	0.14
(1,711)	1:81:A:VAL:HG23	1:78:A:ALA:H	7	0.16	0.04	0.17
(1,711)	1:81:A:VAL:HG22	1:78:A:ALA:H	7	0.16	0.04	0.17
(1,711)	1:81:A:VAL:HG21	1:78:A:ALA:H	7	0.16	0.04	0.17
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	7	0.15	0.04	0.15
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	7	0.15	0.05	0.13
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB1	7	0.15	0.05	0.13
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB2	7	0.15	0.05	0.13
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB3	7	0.15	0.05	0.13
(1,797)	1:142:A:LEU:HD11	1:142:A:LEU:HG	7	0.15	0.02	0.14
(1,797)	1:142:A:LEU:HD12	1:142:A:LEU:HG	7	0.15	0.02	0.14
(1,797)	1:142:A:LEU:HD13	1:142:A:LEU:HG	7	0.15	0.02	0.14
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	7	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD12	7	0.13	0.01	0.13
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD11	7	0.13	0.01	0.13
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD13	7	0.13	0.01	0.13
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	7	0.13	0.03	0.12
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB2	7	0.13	0.01	0.13
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	7	0.13	0.01	0.13
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	7	0.13	0.02	0.13
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	7	0.12	0.01	0.12
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	7	0.12	0.01	0.11
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	7	0.11	0.02	0.11
(1,205)	1:153:A:ARG:HD2	1:153:A:ARG:HG3	7	0.11	0.02	0.11
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	7	0.11	0.01	0.11
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	7	0.11	0.01	0.1
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	7	0.11	0.0	0.11
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	7	0.11	0.01	0.11
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	6	0.8	0.48	1.04
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD22	6	0.7	1.14	0.16
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD23	6	0.7	1.14	0.16
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD21	6	0.7	1.14	0.16
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG22	6	0.7	0.4	0.94
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG21	6	0.7	0.4	0.94
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG23	6	0.7	0.4	0.94
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	6	0.58	0.33	0.8
(1,1190)	1:74:A:LYS:H	1:81:A:VAL:HG13	6	0.5	0.64	0.28
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD12	6	0.5	0.64	0.28
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD13	6	0.5	0.64	0.28
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD11	6	0.5	0.64	0.28
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG11	6	0.44	0.04	0.45
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG13	6	0.44	0.04	0.45
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG12	6	0.44	0.04	0.45
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	6	0.37	0.11	0.4
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG12	6	0.33	0.12	0.36
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG11	6	0.33	0.12	0.36
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG13	6	0.33	0.12	0.36
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	6	0.29	0.14	0.32
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD23	6	0.26	0.2	0.12
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD22	6	0.26	0.2	0.12
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	6	0.25	0.08	0.26
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	6	0.24	0.0	0.24
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	6	0.24	0.02	0.24
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	6	0.23	0.05	0.22
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	6	0.21	0.05	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	6	0.19	0.05	0.22
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	6	0.19	0.04	0.2
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD22	6	0.18	0.05	0.18
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD21	6	0.18	0.05	0.18
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD23	6	0.18	0.05	0.18
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	6	0.18	0.05	0.16
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	6	0.17	0.05	0.16
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	6	0.16	0.08	0.11
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	6	0.16	0.04	0.14
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG11	6	0.15	0.04	0.16
(1,3341)	1:157:A:ALA:HB3	1:122:A:VAL:HG13	6	0.15	0.04	0.16
(1,3341)	1:157:A:ALA:HB3	1:122:A:VAL:HG11	6	0.15	0.04	0.16
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG12	6	0.15	0.04	0.16
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG13	6	0.15	0.04	0.16
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	6	0.15	0.02	0.16
(1,3288)	1:67:A:ALA:HB2	1:64:A:TRP:HA	6	0.14	0.04	0.12
(1,3288)	1:67:A:ALA:HB1	1:64:A:TRP:HA	6	0.14	0.04	0.12
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD23	6	0.13	0.01	0.13
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD21	6	0.13	0.01	0.13
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD22	6	0.13	0.01	0.13
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	6	0.12	0.02	0.12
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	6	0.11	0.01	0.12
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	6	0.11	0.01	0.11
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG21	6	0.11	0.01	0.11
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG23	6	0.11	0.01	0.11
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG22	6	0.11	0.01	0.11
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	6	0.11	0.01	0.11
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	6	0.1	0.0	0.11
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	6	0.1	0.0	0.1
(1,1557)	1:166:A:SER:HB2	1:167:A:GLY:HA2	5	0.92	0.0	0.92
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD13	5	0.81	1.09	0.3
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD12	5	0.81	1.09	0.3
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD11	5	0.81	1.09	0.3
(1,2772)	1:123:A:SER:HB3	1:125:A:GLN:HB3	5	0.74	0.46	1.03
(1,37)	1:164:A:SER:HB2	1:95:A:ARG:HB2	5	0.59	0.02	0.59
(1,251)	1:131:A:LYS:HE2	1:142:A:LEU:HA	5	0.59	0.68	0.16
(1,2328)	1:196:A:GLN:HG3	1:60:A:ARG:HB2	5	0.55	0.06	0.57
(1,413)	1:118:A:LYS:HD2	1:76:A:LEU:HA	5	0.54	0.52	0.39
(1,413)	1:118:A:LYS:HD3	1:76:A:LEU:HA	5	0.54	0.52	0.39
(1,630)	1:131:A:LYS:HE3	1:141:A:SER:HB2	5	0.48	0.13	0.44
(1,630)	1:131:A:LYS:HE3	1:127:A:LEU:HA	5	0.48	0.13	0.44
(1,630)	1:131:A:LYS:HE3	1:148:A:ALA:HA	5	0.48	0.13	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4198)	1:50:A:ASP:H	1:50:A:ASP:HB2	5	0.47	0.39	0.18
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG11	5	0.47	0.17	0.55
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG13	5	0.47	0.17	0.55
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD13	5	0.47	0.03	0.47
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD11	5	0.47	0.03	0.47
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD12	5	0.47	0.03	0.47
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HG22	5	0.43	0.07	0.42
(1,252)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	5	0.43	0.07	0.42
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HG23	5	0.43	0.07	0.42
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HD12	5	0.43	0.07	0.42
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HD11	5	0.43	0.07	0.42
(1,38)	1:166:A:SER:HB3	1:96:A:THR:HA	5	0.42	0.01	0.42
(1,868)	1:125:A:GLN:HB2	1:125:A:GLN:HA	5	0.38	0.19	0.54
(1,868)	1:125:A:GLN:HB2	1:123:A:SER:HB3	5	0.38	0.19	0.54
(1,2325)	1:196:A:GLN:HG3	1:60:A:ARG:HB3	5	0.38	0.07	0.37
(1,1175)	1:175:A:GLN:H	1:176:A:MET:HG2	5	0.34	0.03	0.33
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG22	5	0.34	0.02	0.33
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG21	5	0.34	0.02	0.33
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG23	5	0.34	0.02	0.33
(1,899)	1:181:A:VAL:H	1:180:A:LEU:HB3	5	0.3	0.01	0.3
(1,1556)	1:166:A:SER:HB2	1:167:A:GLY:H	5	0.28	0.01	0.29
(1,4170)	1:176:A:MET:H	1:176:A:MET:HG2	5	0.25	0.02	0.25
(1,5094)	1:4:A:MET:H	1:4:A:MET:HG3	5	0.25	0.1	0.23
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG22	5	0.23	0.09	0.23
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG21	5	0.23	0.09	0.23
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD11	5	0.23	0.06	0.24
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD12	5	0.23	0.06	0.24
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD13	5	0.23	0.06	0.24
(1,844)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	5	0.22	0.04	0.21
(1,844)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	5	0.22	0.04	0.21
(1,1449)	1:144:A:THR:HB	1:147:A:LYS:HE2	5	0.21	0.07	0.18
(1,1081)	1:38:A:THR:H	1:38:A:THR:HG23	5	0.2	0.03	0.19
(1,1081)	1:52:A:THR:H	1:52:A:THR:HG21	5	0.2	0.03	0.19
(1,1081)	1:52:A:THR:H	1:52:A:THR:HG22	5	0.2	0.03	0.19
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE3	5	0.19	0.07	0.17
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE1	5	0.19	0.07	0.17
(1,4870)	1:25:A:GLU:H	1:24:A:ALA:HA	5	0.18	0.05	0.19
(1,3812)	1:160:A:VAL:HG22	1:90:A:ASP:HA	5	0.18	0.05	0.21
(1,3812)	1:160:A:VAL:HG23	1:90:A:ASP:HA	5	0.18	0.05	0.21
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB2	5	0.18	0.04	0.2
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB3	5	0.18	0.04	0.2
(1,537)	1:59:A:ILE:HA	1:58:A:HIS:HB2	5	0.16	0.06	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5083)	1:9:A:GLU:H	1:8:A:ARG:HA	5	0.16	0.07	0.14
(1,3594)	1:145:A:ARG:HG2	1:162:A:TYR:HE2	5	0.16	0.04	0.18
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD13	5	0.15	0.03	0.17
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD12	5	0.15	0.03	0.17
(1,559)	1:197:A:GLN:HA	1:62:A:TYR:HA	5	0.15	0.03	0.14
(1,3726)	1:177:A:GLN:HG2	1:177:A:GLN:HE22	5	0.15	0.0	0.15
(1,2811)	1:166:A:SER:HB3	1:96:A:THR:HA	5	0.14	0.01	0.15
(1,4822)	1:36:A:VAL:H	1:35:A:SER:HA	5	0.14	0.04	0.12
(1,4389)	1:166:A:SER:H	1:174:A:LEU:HA	5	0.14	0.03	0.11
(1,1534)	1:166:A:SER:HB3	1:166:A:SER:HA	5	0.13	0.0	0.13
(1,822)	1:147:A:LYS:HB3	1:147:A:LYS:HE2	5	0.13	0.02	0.13
(1,822)	1:17:A:LYS:HB3	1:17:A:LYS:HE3	5	0.13	0.02	0.13
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG21	5	0.12	0.02	0.12
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG23	5	0.12	0.02	0.12
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG22	5	0.12	0.02	0.12
(1,5020)	1:197:A:GLN:HE22	1:197:A:GLN:HB2	5	0.12	0.01	0.12
(1,3850)	1:182:A:GLN:HG2	1:182:A:GLN:H	5	0.12	0.01	0.11
(1,2133)	1:134:A:LEU:HB2	1:133:A:GLN:HB3	5	0.11	0.01	0.11
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG23	5	0.11	0.01	0.11
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG21	5	0.11	0.01	0.11
(1,4533)	1:144:A:THR:H	1:147:A:LYS:H	5	0.11	0.01	0.11
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB3	5	0.11	0.01	0.11
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB1	5	0.11	0.01	0.11
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB2	5	0.11	0.01	0.11
(1,4111)	1:130:A:ALA:H	1:129:A:MET:HB3	5	0.11	0.0	0.11
(1,2785)	1:195:A:SER:HB2	1:63:A:ASP:HA	5	0.11	0.01	0.11
(1,1842)	1:112:A:ALA:HA	1:114:A:ALA:H	5	0.11	0.0	0.11
(1,2718)	1:194:A:VAL:HG11	1:194:A:VAL:HG22	5	0.11	0.01	0.1
(1,2718)	1:194:A:VAL:HG11	1:194:A:VAL:HG21	5	0.11	0.01	0.1
(1,2718)	1:194:A:VAL:HG13	1:194:A:VAL:HG21	5	0.11	0.01	0.1
(1,2718)	1:194:A:VAL:HG12	1:194:A:VAL:HG22	5	0.11	0.01	0.1
(1,2718)	1:194:A:VAL:HG12	1:194:A:VAL:HG21	5	0.11	0.01	0.1
(1,3757)	1:132:A:GLN:HE21	1:132:A:GLN:HG2	5	0.11	0.0	0.11
(1,5031)	1:175:A:GLN:HE22	1:191:A:LYS:HD2	4	1.77	0.14	1.76
(1,2707)	1:173:A:THR:HG23	1:191:A:LYS:HE3	4	1.32	0.54	1.61
(1,2707)	1:173:A:THR:HG22	1:191:A:LYS:HE3	4	1.32	0.54	1.61
(1,2707)	1:173:A:THR:HG21	1:191:A:LYS:HE3	4	1.32	0.54	1.61
(1,763)	1:105:A:ALA:HB3	1:104:A:GLU:HG3	4	1.04	0.54	1.35
(1,763)	1:105:A:ALA:HB2	1:104:A:GLU:HG3	4	1.04	0.54	1.35
(1,763)	1:105:A:ALA:HB1	1:104:A:GLU:HG3	4	1.04	0.54	1.35
(1,492)	1:163:A:SER:HB3	1:92:A:VAL:HB	4	1.02	0.03	1.02
(1,2759)	1:163:A:SER:HB2	1:177:A:GLN:H	4	0.92	0.04	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1572)	1:85:A:SER:HB3	1:81:A:VAL:HG21	4	0.91	0.43	1.15
(1,1572)	1:85:A:SER:HB3	1:81:A:VAL:HG22	4	0.91	0.43	1.15
(1,2637)	1:142:A:LEU:H	1:142:A:LEU:HD11	4	0.68	0.02	0.69
(1,2637)	1:142:A:LEU:H	1:142:A:LEU:HD13	4	0.68	0.02	0.69
(1,1014)	1:191:A:LYS:H	1:191:A:LYS:HE3	4	0.6	0.14	0.57
(1,3572)	1:151:A:ILE:HD12	1:131:A:LYS:HG2	4	0.56	0.17	0.64
(1,3572)	1:151:A:ILE:HD13	1:131:A:LYS:HG2	4	0.56	0.17	0.64
(1,2504)	1:118:A:LYS:HD2	1:76:A:LEU:HD13	4	0.55	0.44	0.32
(1,2504)	1:118:A:LYS:HD2	1:76:A:LEU:HD11	4	0.55	0.44	0.32
(1,4951)	1:163:A:SER:H	1:109:A:LEU:HD12	4	0.53	0.71	0.12
(1,4951)	1:163:A:SER:H	1:109:A:LEU:HD13	4	0.53	0.71	0.12
(1,1176)	1:124:A:ALA:H	1:125:A:GLN:HE21	4	0.52	0.22	0.58
(1,845)	1:191:A:LYS:HG3	1:191:A:LYS:HE3	4	0.52	0.16	0.45
(1,845)	1:191:A:LYS:HG3	1:191:A:LYS:HE2	4	0.52	0.16	0.45
(1,140)	1:121:A:LEU:HA	1:121:A:LEU:HD22	4	0.5	0.24	0.54
(1,140)	1:121:A:LEU:HA	1:121:A:LEU:HD23	4	0.5	0.24	0.54
(1,2484)	1:191:A:LYS:HD2	1:191:A:LYS:HB3	4	0.5	0.03	0.5
(1,3858)	1:48:A:HIS:HB3	1:48:A:HIS:HA	4	0.49	0.05	0.51
(1,1522)	1:163:A:SER:HB3	1:93:A:ASN:H	4	0.49	0.04	0.49
(1,3056)	1:175:A:GLN:HG2	1:191:A:LYS:HD2	4	0.46	0.08	0.44
(1,4790)	1:47:A:GLU:H	1:46:A:ILE:HG13	4	0.46	0.2	0.55
(1,243)	1:74:A:LYS:HE2	1:74:A:LYS:HB3	4	0.45	0.05	0.46
(1,24)	1:163:A:SER:HB3	1:106:A:THR:HG21	4	0.44	0.06	0.45
(1,24)	1:163:A:SER:HB3	1:106:A:THR:HG23	4	0.44	0.06	0.45
(1,2609)	1:142:A:LEU:HD22	1:90:A:ASP:HB2	4	0.34	0.16	0.34
(1,2609)	1:142:A:LEU:HD21	1:90:A:ASP:HB2	4	0.34	0.16	0.34
(1,967)	1:75:A:MET:H	1:75:A:MET:HG2	4	0.33	0.16	0.34
(1,675)	1:110:A:ARG:HB2	1:109:A:LEU:HB2	4	0.32	0.22	0.24
(1,675)	1:110:A:ARG:HB3	1:121:A:LEU:HB3	4	0.32	0.22	0.24
(1,408)	1:48:A:HIS:H	1:48:A:HIS:HB3	4	0.31	0.16	0.26
(1,408)	1:58:A:HIS:H	1:58:A:HIS:HB3	4	0.31	0.16	0.26
(1,4611)	1:154:A:ASN:HD21	1:154:A:ASN:HA	4	0.27	0.01	0.26
(1,3573)	1:151:A:ILE:HD11	1:136:A:LEU:HD11	4	0.24	0.02	0.22
(1,3573)	1:151:A:ILE:HD12	1:136:A:LEU:HD11	4	0.24	0.02	0.22
(1,3573)	1:151:A:ILE:HD13	1:136:A:LEU:HD12	4	0.24	0.02	0.22
(1,4426)	1:91:A:SER:H	1:91:A:SER:HB2	4	0.22	0.05	0.22
(1,3894)	1:141:A:SER:HB3	1:142:A:LEU:HG	4	0.2	0.03	0.2
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG13	4	0.18	0.06	0.18
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG11	4	0.18	0.06	0.18
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG12	4	0.18	0.06	0.18
(1,1678)	1:131:A:LYS:HA	1:131:A:LYS:HE3	4	0.17	0.07	0.15
(1,5100)	1:16:A:VAL:H	1:15:A:GLU:HA	4	0.16	0.09	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4114)	1:147:A:LYS:H	1:144:A:THR:HG21	4	0.16	0.03	0.18
(1,4114)	1:147:A:LYS:H	1:144:A:THR:HG23	4	0.16	0.03	0.18
(1,5098)	1:33:A:VAL:H	1:32:A:THR:HA	4	0.16	0.04	0.16
(1,4423)	1:91:A:SER:H	1:162:A:TYR:HD1	4	0.16	0.02	0.16
(1,1998)	1:192:A:GLY:HA2	1:67:A:ALA:HB2	4	0.15	0.07	0.12
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD11	4	0.14	0.04	0.14
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD13	4	0.14	0.04	0.14
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD12	4	0.14	0.04	0.14
(1,356)	1:172:A:PRO:HB2	1:62:A:TYR:HE2	4	0.14	0.04	0.14
(1,531)	1:53:A:ALA:H	1:52:A:THR:HA	4	0.14	0.04	0.12
(1,531)	1:39:A:ILE:H	1:38:A:THR:HA	4	0.14	0.04	0.12
(1,5120)	1:14:A:GLU:H	1:13:A:VAL:HA	4	0.14	0.04	0.14
(1,1393)	1:162:A:TYR:H	1:162:A:TYR:HD2	4	0.13	0.02	0.12
(1,452)	1:181:A:VAL:HG11	1:159:A:TYR:HB2	4	0.12	0.01	0.12
(1,452)	1:181:A:VAL:HG12	1:159:A:TYR:HB2	4	0.12	0.01	0.12
(1,452)	1:181:A:VAL:HG13	1:159:A:TYR:HB2	4	0.12	0.01	0.12
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD23	4	0.12	0.01	0.12
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD21	4	0.12	0.01	0.12
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD22	4	0.12	0.01	0.12
(1,5089)	1:5:A:VAL:H	1:5:A:VAL:HB	4	0.12	0.01	0.12
(1,2103)	1:88:A:LEU:HB3	1:88:A:LEU:HD23	4	0.12	0.01	0.12
(1,2103)	1:88:A:LEU:HB3	1:88:A:LEU:HD22	4	0.12	0.01	0.12
(1,4068)	1:59:A:ILE:H	1:59:A:ILE:HG12	4	0.12	0.01	0.12
(1,442)	1:74:A:LYS:HG2	1:75:A:MET:H	4	0.12	0.01	0.12
(1,4006)	1:121:A:LEU:H	1:121:A:LEU:HB3	4	0.12	0.01	0.12
(1,2431)	1:158:A:HIS:HB3	1:159:A:TYR:HD1	4	0.12	0.01	0.12
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG22	4	0.11	0.01	0.11
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG23	4	0.11	0.01	0.11
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG21	4	0.11	0.01	0.11
(1,2876)	1:195:A:SER:HB3	1:195:A:SER:HA	4	0.11	0.01	0.11
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG23	4	0.11	0.0	0.11
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG22	4	0.11	0.0	0.11
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG21	4	0.11	0.0	0.11
(1,4706)	1:83:A:ALA:H	1:81:A:VAL:HB	4	0.11	0.0	0.11
(1,1766)	1:164:A:SER:HA	1:94:A:ASN:HA	4	0.1	0.0	0.1
(1,4570)	1:93:A:ASN:HD22	1:93:A:ASN:HB3	4	0.1	0.0	0.1
(1,2675)	1:106:A:THR:HG23	1:89:A:VAL:HG21	3	2.63	0.05	2.63
(1,2675)	1:106:A:THR:HG23	1:89:A:VAL:HG23	3	2.63	0.05	2.63
(1,2675)	1:106:A:THR:HG21	1:89:A:VAL:HG23	3	2.63	0.05	2.63
(1,3965)	1:89:A:VAL:H	1:89:A:VAL:HG13	3	1.36	0.04	1.37
(1,3965)	1:89:A:VAL:H	1:89:A:VAL:HG12	3	1.36	0.04	1.37
(1,4499)	1:128:A:SER:H	1:128:A:SER:HB3	3	1.15	0.01	1.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4873)	1:129:A:MET:H	1:128:A:SER:HB3	3	1.05	0.1	1.04
(1,4105)	1:105:A:ALA:H	1:104:A:GLU:HG3	3	0.92	0.0	0.92
(1,3013)	1:116:A:ASN:HB3	1:76:A:LEU:HD12	3	0.92	0.99	0.27
(1,4478)	1:85:A:SER:H	1:85:A:SER:HB3	3	0.92	0.01	0.91
(1,1302)	1:104:A:GLU:HG3	1:64:A:TRP:HD1	3	0.9	0.0	0.9
(1,3918)	1:64:A:TRP:HE1	1:104:A:GLU:HG3	3	0.82	0.02	0.82
(1,2176)	1:109:A:LEU:HB2	1:89:A:VAL:HG21	3	0.75	0.15	0.82
(1,2176)	1:109:A:LEU:HB2	1:89:A:VAL:HG23	3	0.75	0.15	0.82
(1,3861)	1:128:A:SER:HB2	1:138:A:PRO:HB2	3	0.69	0.17	0.63
(1,3036)	1:101:A:ASN:HB2	1:104:A:GLU:HG2	3	0.58	0.03	0.6
(1,1298)	1:85:A:SER:HB3	1:119:A:PHE:HE1	3	0.5	0.03	0.51
(1,1667)	1:46:A:ILE:HA	1:46:A:ILE:HG13	3	0.49	0.0	0.49
(1,2906)	1:105:A:ALA:HA	1:104:A:GLU:HG3	3	0.49	0.0	0.49
(1,1567)	1:86:A:VAL:H	1:85:A:SER:HB2	3	0.36	0.02	0.36
(1,3886)	1:151:A:ILE:H	1:151:A:ILE:HG12	3	0.34	0.02	0.34
(1,365)	1:176:A:MET:HG2	1:109:A:LEU:HD13	3	0.31	0.05	0.31
(1,365)	1:176:A:MET:HG2	1:109:A:LEU:HD21	3	0.31	0.05	0.31
(1,3778)	1:126:A:GLN:HG2	1:123:A:SER:H	3	0.31	0.06	0.29
(1,1568)	1:85:A:SER:HB2	1:158:A:HIS:H	3	0.29	0.03	0.31
(1,412)	1:118:A:LYS:HD2	1:118:A:LYS:H	3	0.27	0.08	0.25
(1,412)	1:118:A:LYS:HD3	1:118:A:LYS:H	3	0.27	0.08	0.25
(1,4429)	1:91:A:SER:H	1:127:A:LEU:HD21	3	0.26	0.02	0.28
(1,4429)	1:91:A:SER:H	1:127:A:LEU:HD22	3	0.26	0.02	0.28
(1,4429)	1:91:A:SER:H	1:127:A:LEU:HD23	3	0.26	0.02	0.28
(1,3509)	1:75:A:MET:HE2	1:188:A:TRP:HE3	3	0.26	0.11	0.19
(1,3509)	1:75:A:MET:HE1	1:188:A:TRP:HE3	3	0.26	0.11	0.19
(1,1689)	1:110:A:ARG:HA	1:89:A:VAL:HG11	3	0.26	0.07	0.23
(1,1689)	1:110:A:ARG:HA	1:89:A:VAL:HG13	3	0.26	0.07	0.23
(1,860)	1:44:A:GLY:HA2	1:45:A:PRO:HD3	3	0.25	0.1	0.24
(1,860)	1:44:A:GLY:HA2	1:45:A:PRO:HD2	3	0.25	0.1	0.24
(1,2467)	1:61:A:HIS:H	1:61:A:HIS:HB3	3	0.25	0.01	0.25
(1,4518)	1:170:A:ASN:HD21	1:171:A:ALA:H	3	0.25	0.01	0.25
(1,4231)	1:46:A:ILE:H	1:46:A:ILE:HG13	3	0.24	0.01	0.24
(1,1121)	1:192:A:GLY:H	1:176:A:MET:HG2	3	0.21	0.03	0.23
(1,572)	1:124:A:ALA:HA	1:127:A:LEU:HD22	3	0.19	0.08	0.15
(1,742)	1:144:A:THR:H	1:148:A:ALA:HB2	3	0.19	0.12	0.11
(1,4140)	1:49:A:GLU:H	1:48:A:HIS:HB2	3	0.19	0.04	0.17
(1,647)	1:126:A:GLN:HG2	1:126:A:GLN:HA	3	0.19	0.07	0.14
(1,3210)	1:90:A:ASP:HA	1:142:A:LEU:HD12	3	0.18	0.05	0.18
(1,3210)	1:90:A:ASP:HA	1:142:A:LEU:HD13	3	0.18	0.05	0.18
(1,1524)	1:163:A:SER:HB3	1:92:A:VAL:HA	3	0.18	0.03	0.19
(1,256)	1:191:A:LYS:HA	1:191:A:LYS:HE2	3	0.17	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,368)	1:176:A:MET:HG3	1:174:A:LEU:HD12	3	0.17	0.01	0.16
(1,368)	1:176:A:MET:HG3	1:174:A:LEU:HD11	3	0.17	0.01	0.16
(1,2243)	1:170:A:ASN:HB2	1:171:A:ALA:HB3	3	0.17	0.0	0.17
(1,2243)	1:170:A:ASN:HB2	1:171:A:ALA:HB1	3	0.17	0.0	0.17
(1,4225)	1:51:A:GLN:H	1:50:A:ASP:HA	3	0.17	0.04	0.15
(1,3399)	1:145:A:ARG:HA	1:148:A:ALA:HB2	3	0.15	0.03	0.14
(1,3399)	1:145:A:ARG:HA	1:148:A:ALA:HB1	3	0.15	0.03	0.14
(1,3660)	1:52:A:THR:HA	1:52:A:THR:HG22	3	0.15	0.02	0.15
(1,3660)	1:52:A:THR:HA	1:52:A:THR:HG23	3	0.15	0.02	0.15
(1,3473)	1:103:A:ALA:H	1:103:A:ALA:HB3	3	0.14	0.01	0.14
(1,3473)	1:103:A:ALA:H	1:103:A:ALA:HB2	3	0.14	0.01	0.14
(1,903)	1:162:A:TYR:H	1:188:A:TRP:HZ3	3	0.14	0.02	0.14
(1,903)	1:162:A:TYR:H	1:162:A:TYR:HE2	3	0.14	0.02	0.14
(1,2633)	1:159:A:TYR:HB2	1:178:A:LEU:HD23	3	0.14	0.01	0.13
(1,2633)	1:159:A:TYR:HB2	1:178:A:LEU:HD21	3	0.14	0.01	0.13
(1,4895)	1:58:A:HIS:H	1:57:A:PRO:HB3	3	0.14	0.02	0.14
(1,3100)	1:63:A:ASP:HA	1:197:A:GLN:HB2	3	0.14	0.04	0.11
(1,1847)	1:88:A:LEU:HA	1:122:A:VAL:HG23	3	0.13	0.02	0.13
(1,1847)	1:88:A:LEU:HA	1:122:A:VAL:HG22	3	0.13	0.02	0.13
(1,2702)	1:183:A:THR:H	1:183:A:THR:HG21	3	0.13	0.02	0.14
(1,2702)	1:183:A:THR:H	1:183:A:THR:HG23	3	0.13	0.02	0.14
(1,1023)	1:69:A:GLN:H	1:72:A:VAL:H	3	0.13	0.04	0.11
(1,2673)	1:92:A:VAL:H	1:106:A:THR:HG21	3	0.13	0.02	0.13
(1,2673)	1:92:A:VAL:H	1:106:A:THR:HG22	3	0.13	0.02	0.13
(1,3211)	1:88:A:LEU:HB2	1:88:A:LEU:HD21	3	0.13	0.01	0.12
(1,3211)	1:88:A:LEU:HB2	1:88:A:LEU:HD23	3	0.13	0.01	0.12
(1,3211)	1:88:A:LEU:HB2	1:88:A:LEU:HD22	3	0.13	0.01	0.12
(1,4528)	1:170:A:ASN:H	1:168:A:ASN:HD21	3	0.12	0.0	0.12
(1,4751)	1:90:A:ASP:H	1:89:A:VAL:HB	3	0.12	0.03	0.1
(1,2491)	1:182:A:GLN:HB2	1:180:A:LEU:HG	3	0.12	0.01	0.11
(1,3169)	1:181:A:VAL:HG12	1:152:A:ALA:HA	3	0.12	0.02	0.12
(1,3169)	1:181:A:VAL:HG13	1:152:A:ALA:HA	3	0.12	0.02	0.12
(1,3134)	1:59:A:ILE:HG12	1:58:A:HIS:HA	3	0.12	0.02	0.11
(1,1570)	1:85:A:SER:HB2	1:158:A:HIS:HB2	3	0.12	0.01	0.12
(1,1800)	1:61:A:HIS:H	1:60:A:ARG:HA	3	0.12	0.01	0.11
(1,3657)	1:136:A:LEU:HB2	1:136:A:LEU:HD12	3	0.12	0.0	0.12
(1,3657)	1:136:A:LEU:HB2	1:136:A:LEU:HD11	3	0.12	0.0	0.12
(1,3980)	1:53:A:ALA:H	1:52:A:THR:HA	3	0.12	0.0	0.12
(1,626)	1:145:A:ARG:HD3	1:145:A:ARG:HG2	3	0.11	0.01	0.12
(1,1383)	1:196:A:GLN:HG3	1:62:A:TYR:HD1	3	0.11	0.01	0.11
(1,673)	1:8:A:ARG:HB2	1:8:A:ARG:HG3	3	0.11	0.0	0.11
(1,673)	1:8:A:ARG:HB2	1:8:A:ARG:HG2	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4897)	1:58:A:HIS:H	1:57:A:PRO:HD2	3	0.11	0.0	0.11
(1,1955)	1:144:A:THR:H	1:143:A:GLY:HA2	3	0.1	0.0	0.1
(1,3848)	1:73:A:SER:HB2	1:71:A:MET:H	2	1.23	0.03	1.23
(1,4720)	1:188:A:TRP:HE1	1:74:A:LYS:HD3	2	1.12	0.03	1.12
(1,4707)	1:83:A:ALA:H	1:118:A:LYS:HB3	2	1.06	0.31	1.06
(1,2774)	1:138:A:PRO:HA	1:131:A:LYS:HD2	2	0.88	0.02	0.88
(1,524)	1:45:A:PRO:HA	1:46:A:ILE:HG13	2	0.88	0.25	0.88
(1,524)	1:37:A:PRO:HA	1:38:A:THR:HG23	2	0.88	0.25	0.88
(1,2216)	1:65:A:ASN:HD21	1:65:A:ASN:HB2	2	0.6	0.01	0.6
(1,4421)	1:108:A:THR:H	1:107:A:GLU:HG3	2	0.6	0.01	0.6
(1,4542)	1:73:A:SER:H	1:73:A:SER:HB2	2	0.58	0.05	0.58
(1,444)	1:74:A:LYS:HG2	1:73:A:SER:HB3	2	0.57	0.09	0.57
(1,2756)	1:163:A:SER:HB2	1:176:A:MET:HG3	2	0.49	0.01	0.49
(1,2653)	1:76:A:LEU:H	1:76:A:LEU:HD13	2	0.46	0.23	0.46
(1,2653)	1:76:A:LEU:H	1:76:A:LEU:HD11	2	0.46	0.23	0.46
(1,5018)	1:196:A:GLN:HE21	1:60:A:ARG:HB2	2	0.39	0.29	0.39
(1,70)	1:73:A:SER:HB3	1:74:A:LYS:H	2	0.35	0.05	0.35
(1,2494)	1:74:A:LYS:HD2	1:74:A:LYS:HG3	2	0.35	0.01	0.35
(1,21)	1:108:A:THR:HB	1:109:A:LEU:HD22	2	0.34	0.22	0.34
(1,21)	1:108:A:THR:HB	1:109:A:LEU:HD11	2	0.34	0.22	0.34
(1,2943)	1:25:A:GLU:HA	1:25:A:GLU:HB3	2	0.34	0.22	0.34
(1,1092)	1:76:A:LEU:H	1:76:A:LEU:HD13	2	0.34	0.23	0.34
(1,1092)	1:76:A:LEU:H	1:76:A:LEU:HD11	2	0.34	0.23	0.34
(1,875)	1:74:A:LYS:HG3	1:73:A:SER:HB3	2	0.33	0.05	0.33
(1,445)	1:74:A:LYS:HG2	1:74:A:LYS:HE3	2	0.33	0.02	0.33
(1,3184)	1:118:A:LYS:HG3	1:118:A:LYS:HA	2	0.32	0.04	0.32
(1,1027)	1:118:A:LYS:H	1:76:A:LEU:HD21	2	0.32	0.05	0.32
(1,1027)	1:118:A:LYS:H	1:76:A:LEU:HD22	2	0.32	0.05	0.32
(1,1679)	1:131:A:LYS:HA	1:131:A:LYS:HE2	2	0.32	0.08	0.32
(1,2472)	1:74:A:LYS:HD3	1:74:A:LYS:H	2	0.3	0.05	0.3
(1,1680)	1:131:A:LYS:HA	1:131:A:LYS:HG2	2	0.3	0.01	0.3
(1,3247)	1:65:A:ASN:HD21	1:108:A:THR:HG21	2	0.29	0.1	0.29
(1,1073)	1:131:A:LYS:H	1:151:A:ILE:HD13	2	0.28	0.09	0.28
(1,1073)	1:131:A:LYS:H	1:151:A:ILE:HG22	2	0.28	0.09	0.28
(1,3873)	1:131:A:LYS:HE3	1:127:A:LEU:HG	2	0.26	0.12	0.26
(1,263)	1:90:A:ASP:HB3	1:142:A:LEU:HD11	2	0.23	0.0	0.23
(1,263)	1:90:A:ASP:HB3	1:142:A:LEU:HD12	2	0.23	0.0	0.23
(1,2706)	1:174:A:LEU:HA	1:173:A:THR:HG22	2	0.23	0.05	0.23
(1,2706)	1:174:A:LEU:HA	1:173:A:THR:HG23	2	0.23	0.05	0.23
(1,2062)	1:174:A:LEU:HB3	1:194:A:VAL:HG13	2	0.23	0.01	0.23
(1,2062)	1:174:A:LEU:HB3	1:194:A:VAL:HG11	2	0.23	0.01	0.23
(1,1065)	1:35:A:SER:H	1:35:A:SER:HB3	2	0.2	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1065)	1:35:A:SER:H	1:35:A:SER:HB2	2	0.2	0.08	0.2
(1,2671)	1:72:A:VAL:HG21	1:75:A:MET:HE1	2	0.2	0.07	0.2
(1,2671)	1:72:A:VAL:HG22	1:75:A:MET:HE3	2	0.2	0.07	0.2
(1,924)	1:123:A:SER:H	1:126:A:GLN:HB2	2	0.2	0.05	0.2
(1,1370)	1:119:A:PHE:HE1	1:159:A:TYR:HB2	2	0.2	0.04	0.2
(1,3602)	1:6:A:GLY:HA2	1:5:A:VAL:HG13	2	0.2	0.04	0.2
(1,3602)	1:6:A:GLY:HA2	1:5:A:VAL:HG12	2	0.2	0.04	0.2
(1,4199)	1:50:A:ASP:H	1:49:A:GLU:HG3	2	0.2	0.09	0.2
(1,3661)	1:33:A:VAL:H	1:32:A:THR:HB	2	0.19	0.02	0.19
(1,291)	1:65:A:ASN:HA	1:65:A:ASN:HB2	2	0.18	0.01	0.18
(1,4982)	1:76:A:LEU:H	1:77:A:GLY:HA2	2	0.18	0.0	0.18
(1,4262)	1:13:A:VAL:H	1:12:A:PRO:HA	2	0.17	0.06	0.17
(1,1736)	1:118:A:LYS:HA	1:118:A:LYS:HG2	2	0.17	0.02	0.17
(1,2068)	1:174:A:LEU:HB2	1:194:A:VAL:HG21	2	0.17	0.02	0.17
(1,2068)	1:174:A:LEU:HB2	1:194:A:VAL:HG23	2	0.17	0.02	0.17
(1,4472)	1:159:A:TYR:H	1:87:A:LEU:HD22	2	0.16	0.04	0.16
(1,4472)	1:159:A:TYR:H	1:87:A:LEU:HD21	2	0.16	0.04	0.16
(1,4035)	1:145:A:ARG:H	1:149:A:ILE:HD13	2	0.16	0.04	0.16
(1,4035)	1:145:A:ARG:H	1:149:A:ILE:HD11	2	0.16	0.04	0.16
(1,1325)	1:100:A:LEU:HB3	1:62:A:TYR:HE2	2	0.16	0.05	0.16
(1,364)	1:176:A:MET:HG2	1:174:A:LEU:HD23	2	0.15	0.02	0.15
(1,364)	1:176:A:MET:HG2	1:174:A:LEU:HD22	2	0.15	0.02	0.15
(1,4076)	1:122:A:VAL:H	1:121:A:LEU:HB3	2	0.15	0.01	0.15
(1,4318)	1:170:A:ASN:H	1:170:A:ASN:HD22	2	0.15	0.04	0.15
(1,1569)	1:85:A:SER:HB2	1:158:A:HIS:HB3	2	0.14	0.03	0.14
(1,1642)	1:92:A:VAL:HA	1:174:A:LEU:HD12	2	0.14	0.0	0.14
(1,1642)	1:92:A:VAL:HA	1:174:A:LEU:HD11	2	0.14	0.0	0.14
(1,4336)	1:137:A:SER:H	1:136:A:LEU:HB3	2	0.14	0.01	0.14
(1,1037)	1:177:A:GLN:H	1:162:A:TYR:HB2	2	0.14	0.01	0.14
(1,1074)	1:71:A:MET:H	1:68:A:MET:HA	2	0.14	0.02	0.14
(1,1908)	1:83:A:ALA:HA	1:119:A:PHE:HE1	2	0.14	0.01	0.14
(1,2825)	1:38:A:THR:HA	1:39:A:ILE:HG12	2	0.14	0.01	0.14
(1,3253)	1:174:A:LEU:H	1:173:A:THR:HG22	2	0.14	0.02	0.14
(1,3253)	1:174:A:LEU:H	1:173:A:THR:HG23	2	0.14	0.02	0.14
(1,331)	1:49:A:GLU:HG3	1:49:A:GLU:HB2	2	0.13	0.03	0.13
(1,1392)	1:158:A:HIS:H	1:159:A:TYR:HD1	2	0.13	0.01	0.13
(1,2776)	1:131:A:LYS:HE2	1:138:A:PRO:HA	2	0.13	0.01	0.13
(1,3133)	1:95:A:ARG:HG2	1:94:A:ASN:HA	2	0.13	0.02	0.13
(1,3759)	1:137:A:SER:H	1:136:A:LEU:HD12	2	0.13	0.01	0.13
(1,3759)	1:137:A:SER:H	1:136:A:LEU:HD13	2	0.13	0.01	0.13
(1,4411)	1:153:A:ARG:H	1:181:A:VAL:HG21	2	0.13	0.01	0.13
(1,4411)	1:153:A:ARG:H	1:181:A:VAL:HG23	2	0.13	0.01	0.13

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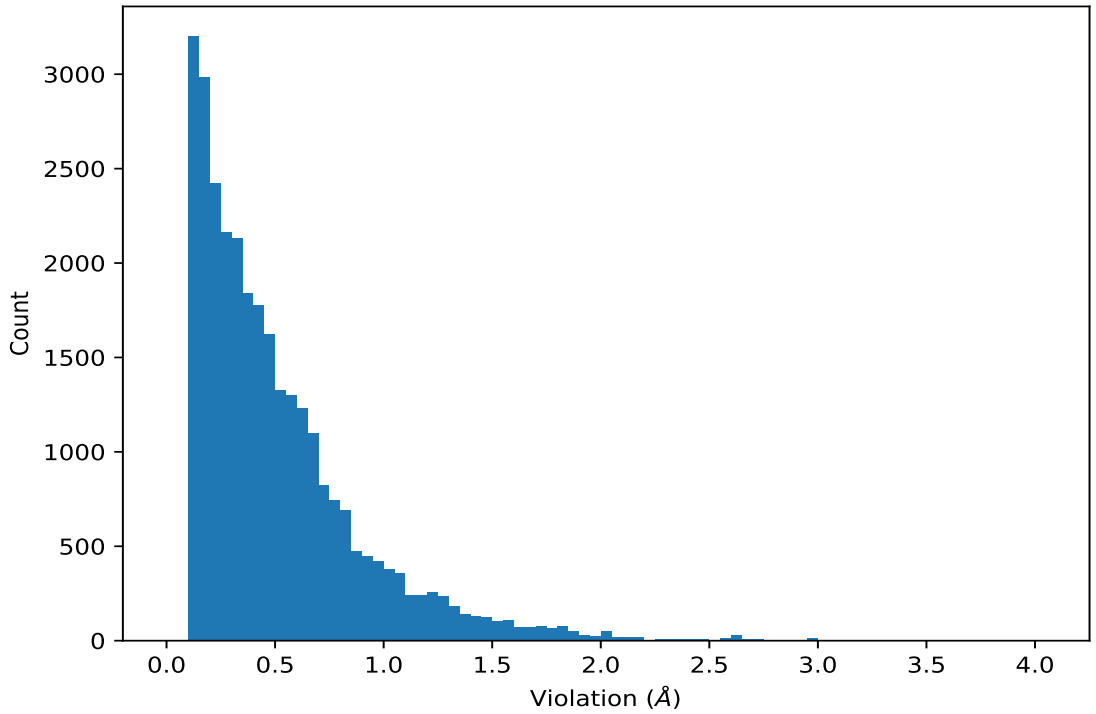
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,468)	1:155:A:VAL:HG22	1:130:A:ALA:HB3	2	0.12	0.02	0.12
(1,468)	1:155:A:VAL:HG22	1:130:A:ALA:HB2	2	0.12	0.02	0.12
(1,2492)	1:74:A:LYS:HD2	1:188:A:TRP:HZ2	2	0.12	0.01	0.12
(1,3175)	1:180:A:LEU:HD21	1:159:A:TYR:HD2	2	0.12	0.01	0.12
(1,3175)	1:180:A:LEU:HD23	1:159:A:TYR:HD2	2	0.12	0.01	0.12
(1,1931)	1:63:A:ASP:HA	1:197:A:GLN:HB3	2	0.12	0.02	0.12
(1,2754)	1:163:A:SER:HB2	1:161:A:LEU:HG	2	0.12	0.02	0.12
(1,4643)	1:98:A:GLY:H	1:97:A:ASN:HB2	2	0.12	0.02	0.12
(1,5122)	1:39:A:ILE:H	1:38:A:THR:HA	2	0.12	0.02	0.12
(1,25)	1:181:A:VAL:HA	1:184:A:GLY:HA3	2	0.12	0.0	0.12
(1,367)	1:176:A:MET:HA	1:176:A:MET:HG3	2	0.12	0.0	0.12
(1,1321)	1:143:A:GLY:H	1:162:A:TYR:HE1	2	0.12	0.0	0.12
(1,1592)	1:151:A:ILE:HA	1:154:A:ASN:HB2	2	0.12	0.01	0.12
(1,3719)	1:182:A:GLN:HG2	1:182:A:GLN:HA	2	0.12	0.01	0.12
(1,4974)	1:86:A:VAL:H	1:159:A:TYR:H	2	0.12	0.01	0.12
(1,4236)	1:74:A:LYS:H	1:74:A:LYS:HG2	2	0.12	0.02	0.12
(1,809)	1:35:A:SER:HB2	1:35:A:SER:HA	2	0.12	0.0	0.12
(1,4791)	1:47:A:GLU:H	1:46:A:ILE:H	2	0.12	0.0	0.12
(1,281)	1:79:A:ASP:HA	1:79:A:ASP:HB2	2	0.11	0.01	0.11
(1,1304)	1:105:A:ALA:HB3	1:64:A:TRP:HD1	2	0.11	0.0	0.11
(1,1304)	1:105:A:ALA:HB1	1:64:A:TRP:HD1	2	0.11	0.0	0.11
(1,4936)	1:110:A:ARG:H	1:108:A:THR:H	2	0.11	0.0	0.11
(1,5087)	1:6:A:GLY:H	1:3:A:HIS:HA	2	0.11	0.01	0.11
(1,1436)	1:62:A:TYR:HB3	1:62:A:TYR:HD2	2	0.11	0.0	0.11
(1,1897)	1:94:A:ASN:HA	1:95:A:ARG:HG3	2	0.11	0.0	0.11
(1,2290)	1:97:A:ASN:HB2	1:96:A:THR:HA	2	0.11	0.0	0.11
(1,3500)	1:59:A:ILE:HA	1:59:A:ILE:HG22	2	0.11	0.0	0.11
(1,4971)	1:159:A:TYR:H	1:181:A:VAL:HB	2	0.11	0.0	0.11
(1,3400)	1:148:A:ALA:HA	1:148:A:ALA:HB3	2	0.1	0.0	0.1
(1,5026)	1:132:A:GLN:HE21	1:129:A:MET:HA	2	0.1	0.0	0.1
(1,5111)	1:197:A:GLN:HE21	1:63:A:ASP:HB2	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)
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	16	4.01
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	11	3.69
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	2	3.63
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	4	3.4
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	13	3.36
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD22	2	3.25
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	14	3.02
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	1	3.0
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	7	3.0
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	9	3.0
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD13	2	2.99
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	3	2.99
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG22	13	2.99
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG22	19	2.99
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG22	11	2.98
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG22	6	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	10	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	15	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	16	2.97
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG22	17	2.96
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	20	2.96
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HD11	8	2.95
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	5	2.93
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG23	2	2.92
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HG21	4	2.92
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	8	2.86
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	4	2.85
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HD11	18	2.8
(1,417)	1:133:A:GLN:HB3	1:151:A:ILE:HD12	12	2.76
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	11	2.74
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	11	2.73
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	11	2.73
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD11	7	2.71
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	19	2.71
(1,2675)	1:106:A:THR:HG23	1:89:A:VAL:HG23	11	2.7
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD12	10	2.7
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	8	2.69
(1,1710)	1:91:A:SER:HA	1:109:A:LEU:HD11	20	2.69
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	16	2.68
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	1	2.68
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG21	17	2.68
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	2	2.66
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD11	6	2.65
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	2	2.64
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	3	2.64
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	9	2.64
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	14	2.64
(1,2675)	1:106:A:THR:HG23	1:89:A:VAL:HG21	17	2.63
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	15	2.63
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	17	2.63
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	2	2.63
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	4	2.63
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	16	2.63
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD11	13	2.62
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	6	2.62
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	7	2.62
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	8	2.62
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	13	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG22	6	2.62
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG23	14	2.62
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	3	2.61
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD12	17	2.61
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	1	2.61
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG23	5	2.61
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD13	10	2.61
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	3	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG21	7	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG23	8	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG23	9	2.6
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG22	17	2.6
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD11	4	2.59
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	11	2.59
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	5	2.59
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	18	2.59
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HG22	11	2.59
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	10	2.58
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	20	2.58
(1,3226)	1:76:A:LEU:HD22	1:82:A:THR:H	2	2.57
(1,2675)	1:106:A:THR:HG21	1:89:A:VAL:HG23	15	2.57
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	2	2.57
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	12	2.57
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	16	2.56
(1,2519)	1:153:A:ARG:HG2	1:150:A:GLY:HA3	4	2.54
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	15	2.51
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	5	2.5
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	12	2.49
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	20	2.48
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD12	15	2.47
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	5	2.46
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD22	14	2.46
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	15	2.46
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	18	2.46
(1,3420)	1:176:A:MET:HE2	1:109:A:LEU:HD23	20	2.45
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	14	2.45
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	3	2.44
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	1	2.44
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD22	11	2.43
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	11	2.43
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	9	2.42
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	8	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD12	20	2.41
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	4	2.41
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD13	18	2.4
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	14	2.4
(1,651)	1:133:A:GLN:HG2	1:130:A:ALA:HB3	1	2.39
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	3	2.38
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD22	7	2.37
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	5	2.37
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	16	2.37
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	1	2.36
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	2	2.36
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	7	2.36
(1,3793)	1:68:A:MET:HG3	1:109:A:LEU:HD22	20	2.35
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	9	2.35
(1,3910)	1:113:A:LEU:HD23	1:109:A:LEU:HD23	20	2.34
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	6	2.34
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	19	2.34
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	13	2.33
(1,48)	1:85:A:SER:HB2	1:76:A:LEU:HD23	2	2.33
(1,3013)	1:116:A:ASN:HB3	1:76:A:LEU:HD12	2	2.32
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	2	2.31
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD11	13	2.3
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB2	15	2.29
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD11	19	2.28
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	10	2.28
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	10	2.27
(1,304)	1:111:A:ASN:HB2	1:121:A:LEU:HD21	20	2.27
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HG	8	2.26
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	17	2.26
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	9	2.25
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG2	4	2.23
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	1	2.22
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	1	2.21
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	2	2.2
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB3	16	2.2
(1,3532)	1:105:A:ALA:HB2	1:61:A:HIS:HD2	2	2.19
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	10	2.19
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD11	4	2.19
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	16	2.19
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	8	2.18
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD12	10	2.18
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD11	13	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD12	17	2.18
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD11	7	2.17
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	9	2.17
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	11	2.17
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	14	2.17
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	6	2.16
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	9	2.16
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	3	2.16
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD11	6	2.16
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD12	19	2.15
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD12	19	2.15
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	6	2.15
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	1	2.14
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	19	2.14
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	5	2.14
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD11	16	2.14
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	19	2.14
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HB2	20	2.14
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	15	2.14
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	2	2.13
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	8	2.13
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	2	2.13
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	15	2.12
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	17	2.12
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD11	16	2.12
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	12	2.11
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	6	2.11
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD12	16	2.1
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	3	2.09
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	7	2.09
(1,168)	1:87:A:LEU:HB2	1:89:A:VAL:HG11	20	2.09
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	13	2.08
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD21	12	2.08
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	5	2.07
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	10	2.07
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	11	2.07
(1,2651)	1:83:A:ALA:HA	1:76:A:LEU:HD23	2	2.07
(1,869)	1:127:A:LEU:HD13	1:129:A:MET:H	9	2.07
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	1	2.07
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	11	2.07
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	18	2.07
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	5	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	19	2.06
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	3	2.06
(1,510)	1:85:A:SER:HB2	1:83:A:ALA:HB3	8	2.06
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB1	5	2.05
(1,706)	1:183:A:THR:HG23	1:185:A:GLU:HG3	18	2.05
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	15	2.05
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD21	11	2.04
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD21	14	2.04
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD21	19	2.04
(1,706)	1:183:A:THR:HG23	1:185:A:GLU:HG3	7	2.04
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	10	2.04
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	3	2.03
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	10	2.03
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	1	2.03
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	3	2.03
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	4	2.03
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	10	2.03
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	14	2.03
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB2	4	2.03
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	3	2.03
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	4	2.03
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	1	2.02
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	3	2.02
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD21	7	2.02
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	9	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	2	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	5	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	7	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	11	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	12	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	15	2.02
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	17	2.02
(1,706)	1:183:A:THR:HG21	1:185:A:GLU:HG3	20	2.02
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD22	14	2.02
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	14	2.01
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	3	2.01
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	6	2.01
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	8	2.01
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	9	2.01
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	20	2.01
(1,606)	1:150:A:GLY:HA2	1:151:A:ILE:HD11	12	2.01
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	15	2.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	19	2.0
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD22	14	2.0
(1,1227)	1:111:A:ASN:HD22	1:89:A:VAL:HG13	8	2.0
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	1	2.0
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	13	2.0
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	19	2.0
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB1	5	2.0
(1,869)	1:127:A:LEU:HD12	1:129:A:MET:H	14	2.0
(1,706)	1:183:A:THR:HG23	1:185:A:GLU:HG3	15	2.0
(1,510)	1:85:A:SER:HB2	1:83:A:ALA:HB1	2	2.0
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	1	2.0
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD21	9	2.0
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	11	1.99
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	16	1.99
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	11	1.99
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	7	1.99
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD22	11	1.98
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	20	1.98
(1,883)	1:149:A:ILE:HG12	1:148:A:ALA:HA	18	1.98
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD21	13	1.98
(1,5031)	1:175:A:GLN:HE22	1:191:A:LYS:HD2	1	1.97
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	8	1.97
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	6	1.97
(1,869)	1:127:A:LEU:HD13	1:129:A:MET:H	1	1.97
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	2	1.96
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB3	6	1.96
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	9	1.96
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	17	1.96
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	2	1.96
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	2	1.96
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	2	1.95
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	19	1.95
(1,706)	1:183:A:THR:HG23	1:180:A:LEU:HB2	1	1.95
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	5	1.95
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	16	1.94
(1,179)	1:87:A:LEU:HB2	1:121:A:LEU:HB2	17	1.94
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD21	16	1.94
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	19	1.94
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	16	1.93
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	4	1.93
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	12	1.93
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	18	1.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1190)	1:74:A:LYS:H	1:81:A:VAL:HG13	2	1.93
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	15	1.92
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	19	1.92
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	20	1.92
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	3	1.92
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	18	1.92
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	10	1.92
(1,706)	1:183:A:THR:HG22	1:185:A:GLU:HG3	12	1.92
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	3	1.92
(1,2820)	1:146:A:SER:HB3	1:144:A:THR:HG21	16	1.91
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	1	1.91
(1,706)	1:183:A:THR:HG22	1:180:A:LEU:HB2	13	1.91
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	5	1.91
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	18	1.91
(1,3795)	1:109:A:LEU:HD22	1:174:A:LEU:HD21	20	1.9
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	2	1.9
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	3	1.9
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	7	1.9
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	14	1.9
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD22	12	1.9
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	4	1.9
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD22	7	1.89
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	16	1.89
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB3	5	1.89
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	5	1.89
(1,724)	1:67:A:ALA:HB2	1:65:A:ASN:HB3	11	1.89
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD23	8	1.89
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	13	1.88
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	20	1.88
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	10	1.88
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	16	1.88
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD22	13	1.88
(1,724)	1:67:A:ALA:HB1	1:65:A:ASN:HB3	13	1.88
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	16	1.88
(1,510)	1:85:A:SER:HB2	1:83:A:ALA:HB2	20	1.88
(1,168)	1:87:A:LEU:HB2	1:121:A:LEU:HD21	10	1.88
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	6	1.87
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	7	1.87
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	12	1.87
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	2	1.87
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB2	13	1.87
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	1	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	19	1.87
(1,251)	1:131:A:LYS:HE2	1:142:A:LEU:HA	12	1.87
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	1	1.86
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	8	1.86
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	1	1.86
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	8	1.86
(1,1554)	1:164:A:SER:HB3	1:165:A:ALA:HB1	11	1.86
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	11	1.86
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	14	1.86
(1,724)	1:67:A:ALA:HB2	1:65:A:ASN:HB3	4	1.86
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	8	1.86
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	9	1.86
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	9	1.85
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	14	1.85
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	14	1.85
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	16	1.85
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	20	1.85
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	5	1.85
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD23	17	1.85
(1,724)	1:67:A:ALA:HB1	1:65:A:ASN:HB3	10	1.85
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	12	1.85
(1,706)	1:183:A:THR:HG23	1:180:A:LEU:HB2	5	1.85
(1,706)	1:183:A:THR:HG23	1:180:A:LEU:HB2	9	1.85
(1,706)	1:183:A:THR:HG22	1:180:A:LEU:HB2	11	1.85
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	12	1.85
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	18	1.85
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	13	1.85
(1,5031)	1:175:A:GLN:HE22	1:191:A:LYS:HD2	14	1.84
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	17	1.84
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	19	1.84
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	5	1.84
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	19	1.84
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD22	16	1.84
(1,724)	1:67:A:ALA:HB1	1:65:A:ASN:HB3	1	1.84
(1,724)	1:67:A:ALA:HB2	1:65:A:ASN:HB3	2	1.84
(1,724)	1:67:A:ALA:HB2	1:65:A:ASN:HB3	6	1.84
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	18	1.84
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	4	1.84
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	7	1.84
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	2	1.83
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	4	1.83
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	6	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	7	1.83
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	8	1.83
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	12	1.83
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	7	1.83
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	20	1.83
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	3	1.83
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	9	1.83
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	12	1.83
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	20	1.83
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD22	9	1.83
(1,1226)	1:111:A:ASN:HD21	1:109:A:LEU:HD21	4	1.83
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	5	1.83
(1,706)	1:183:A:THR:HG23	1:180:A:LEU:HB2	19	1.83
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB2	12	1.83
(1,463)	1:142:A:LEU:HD11	1:149:A:ILE:HA	7	1.83
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	8	1.83
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	3	1.82
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	5	1.82
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	16	1.82
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	19	1.82
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	18	1.82
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	9	1.82
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	9	1.82
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	3	1.82
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	10	1.82
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD22	10	1.82
(1,724)	1:67:A:ALA:HB1	1:65:A:ASN:HB3	16	1.82
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	20	1.82
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	4	1.82
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	10	1.82
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	3	1.82
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	17	1.82
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	11	1.81
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	13	1.81
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	3	1.81
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	9	1.81
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	11	1.81
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	13	1.81
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	14	1.81
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	15	1.81
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	17	1.81
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	20	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	2	1.81
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	9	1.81
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	11	1.81
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	15	1.81
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	7	1.81
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	3	1.81
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	15	1.81
(1,724)	1:67:A:ALA:HB1	1:65:A:ASN:HB3	17	1.81
(1,720)	1:67:A:ALA:HB2	1:64:A:TRP:HB2	2	1.81
(1,706)	1:183:A:THR:HG22	1:180:A:LEU:HB2	6	1.81
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	8	1.81
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	18	1.8
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	1	1.8
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	2	1.8
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	10	1.8
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD13	13	1.8
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	6	1.8
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	8	1.8
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	7	1.8
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	11	1.8
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	2	1.79
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	10	1.79
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	20	1.79
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	6	1.79
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	4	1.79
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	8	1.79
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	1	1.79
(1,2715)	1:109:A:LEU:HA	1:109:A:LEU:HD22	20	1.79
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	9	1.79
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	13	1.79
(1,1227)	1:111:A:ASN:HD22	1:121:A:LEU:HD21	1	1.79
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	14	1.79
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	5	1.78
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	15	1.78
(1,3772)	1:128:A:SER:H	1:129:A:MET:HB3	16	1.78
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	8	1.78
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	15	1.78
(1,3304)	1:160:A:VAL:HG22	1:179:A:MET:HB2	17	1.78
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	17	1.78
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	6	1.78
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	15	1.78
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	19	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:142:A:LEU:HD11	1:149:A:ILE:HA	6	1.78
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	8	1.78
(1,463)	1:142:A:LEU:HD11	1:149:A:ILE:HA	13	1.78
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	19	1.78
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	20	1.78
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	13	1.78
(1,4951)	1:163:A:SER:H	1:109:A:LEU:HD13	20	1.77
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	3	1.77
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	4	1.77
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD13	7	1.77
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	14	1.77
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	5	1.77
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	5	1.77
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	2	1.77
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	10	1.77
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	17	1.76
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	20	1.76
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD13	7	1.76
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	16	1.76
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	19	1.76
(1,1227)	1:111:A:ASN:HD22	1:89:A:VAL:HG13	15	1.76
(1,720)	1:67:A:ALA:HB2	1:64:A:TRP:HB2	6	1.76
(1,720)	1:67:A:ALA:HB2	1:64:A:TRP:HB2	11	1.76
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	18	1.76
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	14	1.76
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	3	1.76
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	8	1.76
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	18	1.76
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	14	1.75
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	19	1.75
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	1	1.75
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG22	11	1.75
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	7	1.75
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	20	1.75
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	5	1.75
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	18	1.75
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD23	12	1.75
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	8	1.75
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	17	1.75
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	18	1.75
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	3	1.75
(1,463)	1:142:A:LEU:HD12	1:149:A:ILE:HA	17	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE3	13	1.75
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	17	1.75
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	3	1.74
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	6	1.74
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	7	1.74
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	10	1.74
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG22	19	1.74
(1,3304)	1:160:A:VAL:HG21	1:179:A:MET:HB2	12	1.74
(1,3304)	1:160:A:VAL:HG23	1:179:A:MET:HB2	18	1.74
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	11	1.74
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	10	1.74
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	3	1.74
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	9	1.74
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	16	1.74
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB1	14	1.74
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	9	1.73
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	5	1.73
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	7	1.73
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	9	1.73
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG22	13	1.73
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG22	17	1.73
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD22	13	1.73
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	3	1.73
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD12	1	1.73
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	3	1.73
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	3	1.73
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD21	16	1.73
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	12	1.73
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	13	1.73
(1,706)	1:183:A:THR:HG23	1:180:A:LEU:HB2	16	1.73
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	9	1.73
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	15	1.73
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	4	1.72
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	13	1.72
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	4	1.72
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	10	1.72
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	16	1.72
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD11	14	1.72
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	1	1.72
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	2	1.72
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	18	1.72
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	9	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	18	1.72
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	15	1.72
(1,463)	1:142:A:LEU:HD12	1:149:A:ILE:HA	10	1.72
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	15	1.72
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	11	1.72
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	5	1.71
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	8	1.71
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	6	1.71
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	10	1.71
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	2	1.71
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD12	20	1.71
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	16	1.71
(1,724)	1:67:A:ALA:HB3	1:65:A:ASN:HB3	19	1.71
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB2	13	1.71
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	5	1.71
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	1	1.7
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	11	1.7
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	15	1.7
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	17	1.7
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	13	1.7
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	20	1.7
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG23	2	1.7
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	19	1.7
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG23	7	1.7
(1,724)	1:67:A:ALA:HB2	1:65:A:ASN:HB3	14	1.7
(1,720)	1:67:A:ALA:HB1	1:64:A:TRP:HB2	1	1.7
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB3	8	1.7
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB2	14	1.7
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	16	1.7
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	4	1.7
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	7	1.7
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	10	1.7
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	11	1.7
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	17	1.7
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	20	1.7
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	4	1.69
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	2	1.69
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	12	1.69
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG23	1	1.69
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG23	11	1.69
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	13	1.69
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	14	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	4	1.69
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	11	1.69
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	10	1.69
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	15	1.69
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	1	1.69
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	12	1.69
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	16	1.68
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	18	1.68
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	14	1.68
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	8	1.68
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	18	1.68
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	7	1.68
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG23	14	1.68
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB3	1	1.68
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB2	4	1.68
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB2	7	1.68
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	12	1.68
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	1	1.68
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	6	1.68
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	9	1.68
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	15	1.68
(1,5031)	1:175:A:GLN:HE22	1:191:A:LYS:HD2	20	1.67
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE2	1	1.67
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	9	1.67
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE2	11	1.67
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	17	1.67
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	3	1.67
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	16	1.67
(1,2707)	1:173:A:THR:HG21	1:191:A:LYS:HE3	14	1.67
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG23	6	1.67
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	3	1.67
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	10	1.67
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	2	1.67
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	15	1.66
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	16	1.66
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	16	1.66
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	2	1.66
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG22	6	1.66
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	8	1.66
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	6	1.66
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	7	1.66
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG23	9	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD13	15	1.66
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	4	1.66
(1,769)	1:151:A:ILE:HD13	1:150:A:GLY:H	3	1.66
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	7	1.66
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB3	6	1.66
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	2	1.66
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	3	1.66
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	9	1.66
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	5	1.66
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	12	1.65
(1,4834)	1:142:A:LEU:H	1:140:A:ASP:HB2	20	1.65
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	3	1.65
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	15	1.65
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	13	1.65
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	15	1.65
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD22	19	1.65
(1,2640)	1:142:A:LEU:HA	1:142:A:LEU:HD12	12	1.65
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	5	1.65
(1,769)	1:151:A:ILE:HD12	1:150:A:GLY:H	7	1.65
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	9	1.65
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	13	1.65
(1,463)	1:142:A:LEU:HD11	1:149:A:ILE:HA	4	1.65
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	13	1.65
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	19	1.65
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	3	1.65
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	5	1.64
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	20	1.64
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	10	1.64
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	12	1.64
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG22	8	1.64
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	15	1.64
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	17	1.64
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	20	1.64
(1,769)	1:151:A:ILE:HD13	1:150:A:GLY:H	1	1.64
(1,769)	1:151:A:ILE:HD12	1:91:A:SER:H	14	1.64
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	5	1.64
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	14	1.64
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB2	11	1.64
(1,510)	1:85:A:SER:HB3	1:118:A:LYS:HB2	19	1.64
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	16	1.64
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	18	1.63
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	16	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG21	18	1.63
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	2	1.63
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD13	11	1.63
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	3	1.63
(1,769)	1:151:A:ILE:HD13	1:91:A:SER:H	9	1.63
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	2	1.63
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	1	1.63
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	6	1.63
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	10	1.63
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	17	1.63
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD23	2	1.63
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	15	1.63
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	5	1.63
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	15	1.63
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	14	1.63
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	12	1.62
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	9	1.62
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG23	4	1.62
(1,2707)	1:173:A:THR:HG21	1:191:A:LYS:HE3	20	1.62
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	2	1.62
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	8	1.62
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	10	1.62
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	11	1.62
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	17	1.62
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	3	1.62
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	9	1.62
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	7	1.61
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	5	1.61
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	10	1.61
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG23	12	1.61
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	20	1.61
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	16	1.61
(1,769)	1:151:A:ILE:HD11	1:150:A:GLY:H	11	1.61
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	6	1.61
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	12	1.61
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	19	1.61
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	2	1.61
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	18	1.61
(1,5031)	1:175:A:GLN:HE22	1:191:A:LYS:HD2	16	1.6
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	2	1.6
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	14	1.6
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	17	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	12	1.6
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD12	9	1.6
(1,2707)	1:173:A:THR:HG23	1:191:A:LYS:HE3	16	1.6
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	3	1.6
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG22	2	1.6
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	16	1.6
(1,769)	1:151:A:ILE:HD13	1:150:A:GLY:H	17	1.6
(1,689)	1:181:A:VAL:HG12	1:180:A:LEU:HB2	4	1.6
(1,689)	1:181:A:VAL:HG12	1:180:A:LEU:HB2	19	1.6
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	3	1.6
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	14	1.6
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	7	1.6
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	4	1.59
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	1	1.59
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	19	1.59
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	14	1.59
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD13	19	1.59
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD13	16	1.59
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD13	4	1.59
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD13	6	1.59
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD13	7	1.59
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	14	1.59
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	13	1.59
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	3	1.59
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB3	2	1.59
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	10	1.59
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	11	1.59
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	11	1.59
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD23	1	1.59
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	2	1.59
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	5	1.58
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	8	1.58
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	11	1.58
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	1	1.58
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	9	1.58
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	7	1.58
(1,769)	1:151:A:ILE:HD13	1:91:A:SER:H	6	1.58
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	1	1.58
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	20	1.58
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	16	1.58
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	8	1.58
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	13	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	3	1.58
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD23	11	1.58
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	11	1.58
(1,3495)	1:154:A:ASN:HB2	1:151:A:ILE:HG23	12	1.57
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	3	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	1	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	2	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	3	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	4	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	6	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	7	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	9	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	11	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	12	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	13	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	14	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	15	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	16	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	17	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	18	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	19	1.57
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	20	1.57
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	20	1.57
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	6	1.57
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	14	1.57
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	17	1.57
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	8	1.57
(1,769)	1:151:A:ILE:HD13	1:91:A:SER:H	2	1.57
(1,769)	1:151:A:ILE:HD13	1:91:A:SER:H	4	1.57
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	4	1.57
(1,720)	1:67:A:ALA:HB2	1:64:A:TRP:HB2	14	1.57
(1,720)	1:67:A:ALA:HB3	1:64:A:TRP:HB2	19	1.57
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	9	1.57
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	16	1.57
(1,413)	1:118:A:LYS:HD3	1:76:A:LEU:HA	19	1.57
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	12	1.57
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	7	1.57
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	15	1.57
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	6	1.57
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	16	1.57
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	14	1.56
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	9	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD22	1	1.56
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	8	1.56
(1,3082)	1:23:A:PRO:HD3	1:23:A:PRO:HB3	10	1.56
(1,2344)	1:71:A:MET:HG3	1:191:A:LYS:H	20	1.56
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	16	1.56
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	13	1.56
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	14	1.56
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	9	1.56
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	19	1.56
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	10	1.56
(1,706)	1:183:A:THR:HG21	1:180:A:LEU:HB2	17	1.56
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD23	12	1.56
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	18	1.56
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	2	1.56
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	11	1.55
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD13	4	1.55
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	2	1.55
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	18	1.55
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	10	1.55
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	13	1.55
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	15	1.55
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	18	1.55
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	7	1.55
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	20	1.55
(1,769)	1:151:A:ILE:HD11	1:144:A:THR:H	5	1.55
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	13	1.55
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	8	1.55
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	15	1.55
(1,755)	1:103:A:ALA:HB3	1:104:A:GLU:HB3	17	1.55
(1,689)	1:181:A:VAL:HG11	1:180:A:LEU:HB2	7	1.55
(1,689)	1:181:A:VAL:HG12	1:180:A:LEU:HB2	12	1.55
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	7	1.55
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	14	1.55
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD23	16	1.55
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	14	1.55
(1,390)	1:70:A:PRO:HB3	1:74:A:LYS:HE2	5	1.55
(1,204)	1:153:A:ARG:HD2	1:150:A:GLY:HA3	11	1.55
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	11	1.54
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	5	1.54
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD13	3	1.54
(1,2430)	1:158:A:HIS:HB3	1:86:A:VAL:HG21	8	1.54
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	2	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	19	1.54
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	1	1.54
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	5	1.54
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	10	1.54
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	11	1.54
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	12	1.54
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	20	1.54
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	17	1.54
(1,755)	1:103:A:ALA:HB3	1:104:A:GLU:HB3	14	1.54
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	19	1.54
(1,689)	1:181:A:VAL:HG12	1:180:A:LEU:HB2	18	1.54
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	4	1.54
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	16	1.54
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	16	1.54
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	10	1.54
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	1	1.54
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	14	1.54
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	17	1.54
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	20	1.53
(1,4798)	1:92:A:VAL:H	1:109:A:LEU:HD11	20	1.53
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	10	1.53
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	1	1.53
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	4	1.53
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	8	1.53
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	11	1.53
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	14	1.53
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	16	1.53
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB3	20	1.53
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	7	1.53
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	20	1.53
(1,689)	1:181:A:VAL:HG13	1:180:A:LEU:HB2	20	1.53
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	8	1.53
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	12	1.52
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	10	1.52
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE1	5	1.52
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	16	1.52
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	11	1.52
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	15	1.52
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	8	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	3	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	5	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	6	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	9	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	10	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	12	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	15	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	18	1.52
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	19	1.52
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	15	1.52
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	17	1.52
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	5	1.52
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	3	1.52
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	13	1.52
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	20	1.52
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	16	1.52
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	17	1.52
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE3	16	1.51
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG23	10	1.51
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	11	1.51
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	2	1.51
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	2	1.51
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	6	1.51
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	4	1.51
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	16	1.51
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	8	1.51
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	2	1.51
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	8	1.51
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	16	1.51
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	3	1.51
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB3	3	1.51
(1,755)	1:103:A:ALA:HB3	1:104:A:GLU:HB3	6	1.51
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	16	1.51
(1,755)	1:103:A:ALA:HB3	1:104:A:GLU:HB3	18	1.51
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	19	1.51
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	17	1.51
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	10	1.51
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	14	1.51
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	3	1.51
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	19	1.5
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	4	1.5
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	16	1.5
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	12	1.5
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	17	1.5
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	17	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	18	1.5
(1,1626)	1:137:A:SER:HB2	1:136:A:LEU:HB2	18	1.5
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	4	1.5
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	2	1.5
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	4	1.5
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	13	1.5
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	6	1.5
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	9	1.5
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB3	5	1.5
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	16	1.5
(1,689)	1:181:A:VAL:HG12	1:180:A:LEU:HB2	15	1.5
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	5	1.5
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	5	1.5
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	9	1.5
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	12	1.5
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	18	1.5
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	2	1.49
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	6	1.49
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	13	1.49
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	18	1.49
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	9	1.49
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	5	1.49
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	11	1.49
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	1	1.49
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	5	1.49
(1,1587)	1:169:A:VAL:HA	1:172:A:PRO:HG2	1	1.49
(1,1267)	1:117:A:GLY:H	1:113:A:LEU:HD12	2	1.49
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	12	1.49
(1,927)	1:90:A:ASP:H	1:88:A:LEU:HD23	20	1.49
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	12	1.49
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	6	1.49
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	7	1.49
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	8	1.49
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	9	1.49
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB3	14	1.49
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB2	19	1.49
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	1	1.49
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	3	1.49
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	9	1.49
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD22	20	1.49
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	8	1.49
(1,474)	1:81:A:VAL:HG23	1:188:A:TRP:HB2	19	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	4	1.48
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	7	1.48
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	9	1.48
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	16	1.48
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	2	1.48
(1,3057)	1:126:A:GLN:HG2	1:122:A:VAL:HG21	13	1.48
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	20	1.48
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	1	1.48
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	14	1.48
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	1	1.48
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	9	1.48
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB1	4	1.48
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	12	1.48
(1,762)	1:108:A:THR:HA	1:105:A:ALA:HB1	18	1.48
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	13	1.48
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE3	3	1.48
(1,517)	1:195:A:SER:HB3	1:62:A:TYR:HD1	8	1.48
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	6	1.48
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	1	1.48
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD23	17	1.48
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	15	1.48
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	20	1.48
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	8	1.47
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	3	1.47
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	5	1.47
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	6	1.47
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	5	1.47
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	18	1.47
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	3	1.47
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	8	1.47
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	10	1.47
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	19	1.47
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	15	1.47
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	1	1.47
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	13	1.47
(1,769)	1:151:A:ILE:HD12	1:91:A:SER:H	8	1.47
(1,755)	1:103:A:ALA:HB2	1:104:A:GLU:HB3	12	1.47
(1,510)	1:85:A:SER:HB3	1:83:A:ALA:HB1	17	1.47
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	11	1.47
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	13	1.47
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	1	1.46
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	15	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	11	1.46
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	7	1.46
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	4	1.46
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	6	1.46
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	12	1.46
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	15	1.46
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	16	1.46
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	13	1.46
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	19	1.46
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB1	17	1.46
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	18	1.46
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	20	1.46
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	4	1.46
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	17	1.46
(1,557)	1:162:A:TYR:HA	1:161:A:LEU:HD21	5	1.46
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	15	1.46
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	15	1.46
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	8	1.46
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	19	1.46
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	9	1.46
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	14	1.45
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	20	1.45
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	16	1.45
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	19	1.45
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD22	11	1.45
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	2	1.45
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	5	1.45
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	17	1.45
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	20	1.45
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	1	1.45
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD13	16	1.45
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	10	1.45
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	15	1.45
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	3	1.45
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	11	1.45
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	20	1.45
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	15	1.45
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	5	1.45
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	8	1.45
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	19	1.45
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	8	1.45
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	12	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	19	1.45
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG12	20	1.45
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	8	1.45
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	3	1.45
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	6	1.45
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	10	1.45
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	9	1.45
(1,769)	1:151:A:ILE:HD12	1:150:A:GLY:H	15	1.45
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	4	1.45
(1,463)	1:142:A:LEU:HD13	1:149:A:ILE:HA	9	1.45
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD23	6	1.45
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	9	1.45
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	20	1.45
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	7	1.45
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	11	1.44
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	7	1.44
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	8	1.44
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	11	1.44
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	1	1.44
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	9	1.44
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	16	1.44
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	3	1.44
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	6	1.44
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	19	1.44
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	16	1.44
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	1	1.44
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB1	10	1.44
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	11	1.44
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	1	1.44
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	9	1.44
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	20	1.44
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	15	1.44
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG13	14	1.44
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG11	16	1.44
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	1	1.44
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	9	1.44
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	1	1.44
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	8	1.44
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	3	1.43
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	5	1.43
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	10	1.43
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	14	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	5	1.43
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	14	1.43
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	17	1.43
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	8	1.43
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	7	1.43
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	11	1.43
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	13	1.43
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	10	1.43
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	18	1.43
(1,1448)	1:144:A:THR:HB	1:146:A:SER:HB3	16	1.43
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	2	1.43
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB1	16	1.43
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	2	1.43
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	13	1.43
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	18	1.43
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	10	1.43
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	11	1.43
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	16	1.43
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	8	1.43
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	1	1.43
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	18	1.43
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG11	1	1.43
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG11	11	1.43
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	10	1.43
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	19	1.43
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	6	1.43
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	4	1.43
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	8	1.42
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	13	1.42
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	17	1.42
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	9	1.42
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	10	1.42
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	13	1.42
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	14	1.42
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	19	1.42
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD11	7	1.42
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	20	1.42
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB3	3	1.42
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG2	1	1.42
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG12	5	1.42
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	7	1.42
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	11	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	15	1.42
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	12	1.42
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	14	1.42
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	15	1.42
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	18	1.42
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	19	1.42
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	10	1.42
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	4	1.42
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG23	5	1.42
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG13	8	1.42
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	3	1.42
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	20	1.42
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	4	1.42
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	12	1.42
(1,5072)	1:135:A:GLY:H	1:136:A:LEU:HB3	17	1.41
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	1	1.41
(1,3965)	1:89:A:VAL:H	1:89:A:VAL:HG12	11	1.41
(1,2838)	1:154:A:ASN:HB2	1:155:A:VAL:HA	18	1.41
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	4	1.41
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	9	1.41
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	20	1.41
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD21	17	1.41
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	19	1.41
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	6	1.41
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG12	14	1.41
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG12	16	1.41
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	5	1.41
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	7	1.41
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	13	1.41
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	17	1.41
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD12	20	1.41
(1,769)	1:151:A:ILE:HD12	1:91:A:SER:H	10	1.41
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG13	2	1.41
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	11	1.41
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	12	1.41
(1,510)	1:85:A:SER:HB3	1:118:A:LYS:HB2	5	1.41
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	5	1.41
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	7	1.41
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	12	1.41
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	8	1.4
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	18	1.4
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	2	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	3	1.4
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	13	1.4
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	2	1.4
(1,1410)	1:76:A:LEU:HD12	1:119:A:PHE:HD1	2	1.4
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	7	1.4
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG13	4	1.4
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG12	10	1.4
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	12	1.4
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	6	1.4
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	17	1.4
(1,755)	1:103:A:ALA:HB1	1:104:A:GLU:HB3	11	1.4
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	19	1.4
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	20	1.4
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	5	1.4
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	14	1.4
(1,463)	1:142:A:LEU:HD12	1:149:A:ILE:HA	19	1.4
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB1	2	1.4
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	3	1.4
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	8	1.4
(1,204)	1:153:A:ARG:HD3	1:150:A:GLY:HA3	20	1.4
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	8	1.39
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	12	1.39
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	15	1.39
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	3	1.39
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	4	1.39
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	15	1.39
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	6	1.39
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB2	15	1.39
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	3	1.39
(1,1042)	1:65:A:ASN:H	1:194:A:VAL:HG11	17	1.39
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	1	1.39
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	9	1.39
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	7	1.39
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	14	1.39
(1,769)	1:151:A:ILE:HD12	1:144:A:THR:H	16	1.39
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	7	1.39
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG21	9	1.39
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG11	13	1.39
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG22	17	1.39
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG13	20	1.39
(1,632)	1:81:A:VAL:HG21	1:118:A:LYS:HE3	11	1.39
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD12	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD13	18	1.39
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	19	1.39
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	2	1.38
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	1	1.38
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	18	1.38
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	9	1.38
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	17	1.38
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	6	1.38
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG22	8	1.38
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	20	1.38
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	14	1.38
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	19	1.38
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	15	1.38
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	16	1.38
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	17	1.38
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	18	1.38
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	18	1.38
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	11	1.38
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD11	15	1.38
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG11	4	1.38
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	8	1.38
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	6	1.38
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG11	6	1.38
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	6	1.38
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	8	1.38
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	3	1.38
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	9	1.38
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	20	1.38
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD13	11	1.38
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	20	1.38
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	4	1.38
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD22	14	1.38
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB1	15	1.38
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB3	20	1.38
(1,18)	1:106:A:THR:HB	1:107:A:GLU:HG3	4	1.38
(1,4707)	1:83:A:ALA:H	1:118:A:LYS:HB3	17	1.37
(1,3965)	1:89:A:VAL:H	1:89:A:VAL:HG13	17	1.37
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	7	1.37
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	18	1.37
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	20	1.37
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	5	1.37
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	10	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	17	1.37
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	9	1.37
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD21	13	1.37
(1,988)	1:160:A:VAL:H	1:179:A:MET:HB2	10	1.37
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	18	1.37
(1,763)	1:105:A:ALA:HB2	1:104:A:GLU:HG3	2	1.37
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	15	1.37
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG12	4	1.37
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG22	12	1.37
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG12	15	1.37
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG21	18	1.37
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	17	1.37
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	12	1.37
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	1	1.37
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	16	1.36
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	15	1.36
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	19	1.36
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	6	1.36
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	8	1.36
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	18	1.36
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	6	1.36
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	2	1.36
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	10	1.36
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	15	1.36
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	12	1.36
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	14	1.36
(1,1246)	1:196:A:GLN:HE21	1:169:A:VAL:HG23	7	1.36
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	5	1.36
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	13	1.36
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	16	1.36
(1,769)	1:151:A:ILE:HD12	1:150:A:GLY:H	20	1.36
(1,763)	1:105:A:ALA:HB1	1:104:A:GLU:HG3	10	1.36
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE3	17	1.36
(1,637)	1:168:A:ASN:HB3	1:169:A:VAL:HG12	3	1.36
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	2	1.36
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	4	1.36
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	18	1.36
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	4	1.36
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD12	10	1.36
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	13	1.36
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB3	10	1.36
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG13	19	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	10	1.36
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	9	1.35
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	9	1.35
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG22	16	1.35
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD21	15	1.35
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB3	19	1.35
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	1	1.35
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	2	1.35
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	9	1.35
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	14	1.35
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	16	1.35
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	8	1.35
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	13	1.35
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	10	1.35
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	4	1.35
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD21	6	1.35
(1,1207)	1:71:A:MET:H	1:67:A:ALA:HB1	14	1.35
(1,1058)	1:111:A:ASN:H	1:121:A:LEU:HD21	2	1.35
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	6	1.35
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	16	1.35
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	19	1.35
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	14	1.35
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	16	1.35
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	20	1.35
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD12	1	1.35
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	9	1.35
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	13	1.35
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	19	1.35
(1,491)	1:181:A:VAL:HA	1:159:A:TYR:HD2	17	1.35
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD12	15	1.35
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	11	1.35
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB3	16	1.35
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	8	1.35
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	1	1.34
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	12	1.34
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	4	1.34
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	17	1.34
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	20	1.34
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD22	6	1.34
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	18	1.34
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB3	17	1.34
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	6	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	7	1.34
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	8	1.34
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	13	1.34
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	18	1.34
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	5	1.34
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	6	1.34
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	9	1.34
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	5	1.34
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	1	1.34
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	15	1.34
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB1	17	1.34
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	19	1.34
(1,763)	1:105:A:ALA:HB3	1:104:A:GLU:HG3	1	1.34
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	7	1.34
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	14	1.34
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	12	1.34
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	2	1.34
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG12	20	1.34
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	14	1.34
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD23	7	1.34
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD23	2	1.34
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	11	1.34
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	2	1.34
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	18	1.33
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	7	1.33
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	12	1.33
(1,3628)	1:176:A:MET:HE1	1:176:A:MET:HG3	12	1.33
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB1	16	1.33
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	4	1.33
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	8	1.33
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	3	1.33
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG23	18	1.33
(1,3089)	1:158:A:HIS:HB2	1:180:A:LEU:HD23	7	1.33
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	12	1.33
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	7	1.33
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	9	1.33
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	16	1.33
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	4	1.33
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	9	1.33
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	4	1.33
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	12	1.33
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	15	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	11	1.33
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD12	5	1.33
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	3	1.33
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	9	1.33
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	11	1.33
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	15	1.33
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD12	15	1.33
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	12	1.33
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	20	1.33
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	1	1.33
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	11	1.33
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	17	1.33
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG21	7	1.33
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG21	10	1.33
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	16	1.33
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG13	15	1.33
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB3	19	1.33
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	3	1.33
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	14	1.33
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	15	1.33
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	4	1.33
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	5	1.33
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	16	1.32
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	13	1.32
(1,3097)	1:179:A:MET:HG3	1:160:A:VAL:HG21	12	1.32
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	8	1.32
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	1	1.32
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	2	1.32
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	3	1.32
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	20	1.32
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	20	1.32
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	12	1.32
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	19	1.32
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	3	1.32
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	3	1.32
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	7	1.32
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	12	1.32
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	8	1.32
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	18	1.32
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	2	1.32
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	5	1.32
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	6	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	13	1.32
(1,1001)	1:126:A:GLN:H	1:127:A:LEU:HB2	1	1.32
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	18	1.32
(1,769)	1:151:A:ILE:HD13	1:150:A:GLY:H	18	1.32
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	14	1.32
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	3	1.32
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	7	1.32
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	17	1.32
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	1	1.32
(1,530)	1:146:A:SER:HB3	1:147:A:LYS:HG2	7	1.32
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD12	20	1.32
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	10	1.32
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB3	1	1.32
(1,304)	1:111:A:ASN:HB2	1:109:A:LEU:HD21	4	1.32
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD13	4	1.32
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	9	1.32
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	18	1.32
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	6	1.32
(1,3965)	1:89:A:VAL:H	1:89:A:VAL:HG12	15	1.31
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	1	1.31
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB2	10	1.31
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	13	1.31
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	19	1.31
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	5	1.31
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	6	1.31
(1,2504)	1:118:A:LYS:HD2	1:76:A:LEU:HD11	2	1.31
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	10	1.31
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	11	1.31
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	20	1.31
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	1	1.31
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	2	1.31
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	10	1.31
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	13	1.31
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	13	1.31
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	8	1.31
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD21	2	1.31
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	10	1.31
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	17	1.31
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	1	1.31
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	16	1.31
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	17	1.31
(1,769)	1:151:A:ILE:HD11	1:150:A:GLY:H	19	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	18	1.31
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	6	1.31
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	8	1.31
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG12	6	1.31
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	8	1.31
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	8	1.31
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	17	1.31
(1,476)	1:183:A:THR:HB	1:149:A:ILE:HD11	18	1.31
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	3	1.31
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG12	2	1.31
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG11	13	1.31
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	5	1.31
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	17	1.31
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	16	1.31
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB1	1	1.3
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB3	2	1.3
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB2	16	1.3
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG22	10	1.3
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	11	1.3
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	12	1.3
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	7	1.3
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	9	1.3
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB3	13	1.3
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	16	1.3
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	3	1.3
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	14	1.3
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	16	1.3
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	17	1.3
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	18	1.3
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	11	1.3
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	19	1.3
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	5	1.3
(1,769)	1:151:A:ILE:HD11	1:150:A:GLY:H	13	1.3
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	7	1.3
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	1	1.3
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG11	9	1.3
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG12	12	1.3
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	7	1.3
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD23	5	1.3
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB3	5	1.3
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG12	1	1.3
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	16	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG12	17	1.3
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	14	1.3
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB3	13	1.3
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	16	1.3
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	12	1.3
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	9	1.3
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	13	1.3
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	7	1.29
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB3	13	1.29
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	4	1.29
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	9	1.29
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	10	1.29
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	5	1.29
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	3	1.29
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	4	1.29
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	15	1.29
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	20	1.29
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD11	3	1.29
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD22	8	1.29
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	20	1.29
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	10	1.29
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	20	1.29
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	18	1.29
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG11	15	1.29
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG23	16	1.29
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB1	5	1.29
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	5	1.29
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG12	4	1.29
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	5	1.29
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	10	1.29
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG12	18	1.29
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	14	1.29
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	15	1.29
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	10	1.29
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG11	12	1.29
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	14	1.29
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	20	1.29
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	1	1.29
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE2	3	1.29
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	18	1.29
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	6	1.29
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	7	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	13	1.29
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	11	1.29
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	3	1.29
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	10	1.29
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	17	1.29
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	6	1.28
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	8	1.28
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB2	11	1.28
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	13	1.28
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	10	1.28
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	2	1.28
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	6	1.28
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	7	1.28
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	8	1.28
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB3	15	1.28
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	15	1.28
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	8	1.28
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	18	1.28
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	1	1.28
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	7	1.28
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	11	1.28
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	14	1.28
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	7	1.28
(1,1058)	1:111:A:ASN:H	1:121:A:LEU:HD23	14	1.28
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG13	16	1.28
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	7	1.28
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	1	1.28
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	13	1.28
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	15	1.28
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	10	1.28
(1,716)	1:92:A:VAL:HG22	1:107:A:GLU:HA	19	1.28
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD21	20	1.28
(1,637)	1:168:A:ASN:HB3	1:96:A:THR:HG22	19	1.28
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	11	1.28
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG12	15	1.28
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	4	1.28
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG11	6	1.28
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG11	7	1.28
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	9	1.28
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD11	10	1.28
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	1	1.28
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	4	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	8	1.28
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	19	1.28
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	1	1.28
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	10	1.28
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	1	1.27
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	11	1.27
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	18	1.27
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	10	1.27
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	18	1.27
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB3	4	1.27
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB1	6	1.27
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB1	8	1.27
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB3	18	1.27
(1,2765)	1:189:A:SER:HB2	1:177:A:GLN:HG2	1	1.27
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	8	1.27
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	14	1.27
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	13	1.27
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	1	1.27
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	9	1.27
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	16	1.27
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB3	11	1.27
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	18	1.27
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	20	1.27
(1,2042)	1:100:A:LEU:HB3	1:94:A:ASN:HB3	7	1.27
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	2	1.27
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	7	1.27
(1,1643)	1:92:A:VAL:HA	1:109:A:LEU:HD11	20	1.27
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	6	1.27
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	17	1.27
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD23	12	1.27
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	14	1.27
(1,1108)	1:111:A:ASN:HD21	1:109:A:LEU:HB2	1	1.27
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	6	1.27
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	4	1.27
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	5	1.27
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB1	15	1.27
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD12	3	1.27
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD12	7	1.27
(1,738)	1:78:A:ALA:HB3	1:187:A:ILE:HB	2	1.27
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	1	1.27
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	13	1.27
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG13	13	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,612)	1:184:A:GLY:HA2	1:181:A:VAL:HG12	19	1.27
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	6	1.27
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	8	1.27
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG12	18	1.27
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	11	1.27
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	1	1.27
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	2	1.27
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	7	1.27
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	12	1.27
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	1	1.27
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	11	1.27
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	14	1.27
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	4	1.27
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	8	1.27
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	9	1.27
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	11	1.27
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	13	1.27
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	11	1.26
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	15	1.26
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	15	1.26
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	18	1.26
(1,3848)	1:73:A:SER:HB2	1:71:A:MET:H	13	1.26
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB1	7	1.26
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	9	1.26
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	15	1.26
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB2	17	1.26
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB2	20	1.26
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB2	5	1.26
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB3	9	1.26
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB1	14	1.26
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG22	2	1.26
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	5	1.26
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	3	1.26
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	4	1.26
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	13	1.26
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	2	1.26
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	15	1.26
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	18	1.26
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	20	1.26
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	10	1.26
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	13	1.26
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD11	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD13	14	1.26
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	3	1.26
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	5	1.26
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	6	1.26
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	13	1.26
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	15	1.26
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	12	1.26
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG21	16	1.26
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	15	1.26
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD12	11	1.26
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	12	1.26
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	13	1.26
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	17	1.26
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	6	1.26
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	6	1.26
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	8	1.26
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	18	1.26
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG13	3	1.26
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD12	7	1.26
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD11	12	1.26
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	9	1.26
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD21	18	1.26
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG13	4	1.26
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	18	1.26
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	2	1.26
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	12	1.26
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	14	1.26
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	16	1.26
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	19	1.26
(1,3855)	1:140:A:ASP:HB2	1:141:A:SER:HA	20	1.25
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB1	12	1.25
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB2	14	1.25
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB3	3	1.25
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB2	17	1.25
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD23	20	1.25
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	11	1.25
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	20	1.25
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	3	1.25
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	14	1.25
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB1	12	1.25
(1,2218)	1:154:A:ASN:HB2	1:130:A:ALA:HB2	14	1.25
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	6	1.25
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	8	1.25
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	9	1.25
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	12	1.25
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	15	1.25
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	19	1.25
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD21	16	1.25
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	2	1.25
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	12	1.25
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	8	1.25
(1,1108)	1:111:A:ASN:HD21	1:109:A:LEU:HB2	7	1.25
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	1	1.25
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB3	19	1.25
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	2	1.25
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	12	1.25
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	8	1.25
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	10	1.25
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	2	1.25
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	3	1.25
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	4	1.25
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	3	1.25
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG12	9	1.25
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	19	1.25
(1,247)	1:131:A:LYS:HE3	1:136:A:LEU:HB3	10	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	4	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	8	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB3	15	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB3	17	1.25
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	20	1.25
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	9	1.25
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	19	1.25
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	5	1.25
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	7	1.25
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	18	1.25
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	12	1.24
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	16	1.24
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	20	1.24
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	12	1.24
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	2	1.24
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB2	6	1.24
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	19	1.24
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	7	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	9	1.24
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB2	19	1.24
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	14	1.24
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	11	1.24
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD22	10	1.24
(1,2772)	1:123:A:SER:HB3	1:125:A:GLN:HB3	10	1.24
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	9	1.24
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	16	1.24
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD11	19	1.24
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	12	1.24
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	5	1.24
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	6	1.24
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	7	1.24
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	8	1.24
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	13	1.24
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	19	1.24
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	3	1.24
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	5	1.24
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	16	1.24
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	18	1.24
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	19	1.24
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	6	1.24
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	9	1.24
(1,1222)	1:139:A:GLN:H	1:136:A:LEU:HD12	10	1.24
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	2	1.24
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	12	1.24
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG21	9	1.24
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	10	1.24
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG21	11	1.24
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	6	1.24
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	6	1.24
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG13	11	1.24
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	8	1.24
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	15	1.24
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	16	1.24
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	20	1.24
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	9	1.24
(1,738)	1:78:A:ALA:HB1	1:187:A:ILE:HB	11	1.24
(1,710)	1:82:A:THR:HB	1:81:A:VAL:HG23	20	1.24
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG11	2	1.24
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	6	1.24
(1,284)	1:79:A:ASP:HB3	1:81:A:VAL:HG12	5	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	1	1.24
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	5	1.24
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	10	1.24
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB3	11	1.24
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	14	1.24
(1,233)	1:110:A:ARG:HD2	1:107:A:GLU:H	4	1.24
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	12	1.24
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	2	1.24
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	20	1.24
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	3	1.24
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	15	1.24
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	18	1.23
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	3	1.23
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	4	1.23
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB1	8	1.23
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	1	1.23
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	3	1.23
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	14	1.23
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB2	7	1.23
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB3	11	1.23
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB2	20	1.23
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE1	20	1.23
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG22	6	1.23
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	17	1.23
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	10	1.23
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	6	1.23
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	8	1.23
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	17	1.23
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	19	1.23
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	11	1.23
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	17	1.23
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	20	1.23
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	11	1.23
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	12	1.23
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	18	1.23
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	6	1.23
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	20	1.23
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	17	1.23
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	18	1.23
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	2	1.23
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	19	1.23
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	13	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	19	1.23
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	16	1.23
(1,1058)	1:111:A:ASN:H	1:121:A:LEU:HD21	1	1.23
(1,1058)	1:111:A:ASN:H	1:121:A:LEU:HD23	3	1.23
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	20	1.23
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB1	11	1.23
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	20	1.23
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG12	17	1.23
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	14	1.23
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	14	1.23
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	17	1.23
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	10	1.23
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	18	1.23
(1,716)	1:92:A:VAL:HG22	1:107:A:GLU:HA	15	1.23
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE1	20	1.23
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB1	3	1.23
(1,241)	1:134:A:LEU:HB2	1:130:A:ALA:HB2	6	1.23
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	11	1.23
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	15	1.23
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	12	1.23
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	6	1.23
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	9	1.22
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	4	1.22
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	20	1.22
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	17	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	2	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	6	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	8	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	12	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	15	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	17	1.22
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	19	1.22
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD22	5	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	1	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	5	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	10	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	12	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	13	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	15	1.22
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	18	1.22
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD13	6	1.22
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	17	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	19	1.22
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG13	4	1.22
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	4	1.22
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	5	1.22
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	12	1.22
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	5	1.22
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	4	1.22
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	7	1.22
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	19	1.22
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	7	1.22
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	3	1.22
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	4	1.22
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	9	1.22
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	15	1.22
(1,741)	1:78:A:ALA:HB3	1:159:A:TYR:HE2	20	1.22
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	5	1.22
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	9	1.22
(1,716)	1:92:A:VAL:HG22	1:107:A:GLU:HA	11	1.22
(1,716)	1:92:A:VAL:HG22	1:107:A:GLU:HA	17	1.22
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	7	1.22
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG13	10	1.22
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	1	1.22
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	2	1.22
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	3	1.22
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	5	1.22
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	8	1.22
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	11	1.22
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	15	1.22
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	17	1.22
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	20	1.22
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	20	1.21
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	1	1.21
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	4	1.21
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	19	1.21
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB3	10	1.21
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	5	1.21
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	13	1.21
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	18	1.21
(1,3448)	1:179:A:MET:HE3	1:152:A:ALA:HB2	15	1.21
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	10	1.21
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	3	1.21
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	7	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	11	1.21
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD22	14	1.21
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	12	1.21
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	20	1.21
(1,2423)	1:157:A:ALA:HA	1:158:A:HIS:HB3	10	1.21
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	3	1.21
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	9	1.21
(1,1934)	1:63:A:ASP:HA	1:64:A:TRP:HB3	17	1.21
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	7	1.21
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG13	10	1.21
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG13	14	1.21
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	1	1.21
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	14	1.21
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	14	1.21
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	8	1.21
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG13	2	1.21
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG12	18	1.21
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB1	6	1.21
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	16	1.21
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	6	1.21
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	5	1.21
(1,738)	1:78:A:ALA:HB3	1:187:A:ILE:HB	20	1.21
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE1	10	1.21
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	8	1.21
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	14	1.21
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	19	1.21
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	10	1.21
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	18	1.21
(1,173)	1:135:A:GLY:HA3	1:136:A:LEU:HB3	16	1.21
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	12	1.21
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	18	1.21
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	4	1.2
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	13	1.2
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	19	1.2
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	2	1.2
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	4	1.2
(1,3848)	1:73:A:SER:HB2	1:71:A:MET:H	19	1.2
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	10	1.2
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	20	1.2
(1,3448)	1:179:A:MET:HE2	1:152:A:ALA:HB1	12	1.2
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	1	1.2
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	11	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	13	1.2
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	2	1.2
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	8	1.2
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD23	2	1.2
(1,2716)	1:109:A:LEU:HB2	1:109:A:LEU:HD21	4	1.2
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	15	1.2
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	18	1.2
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	4	1.2
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	16	1.2
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	12	1.2
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	3	1.2
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	2	1.2
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB3	2	1.2
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	7	1.2
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG12	7	1.2
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG13	12	1.2
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	4	1.2
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	5	1.2
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	3	1.2
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	12	1.2
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	15	1.2
(1,738)	1:78:A:ALA:HB3	1:187:A:ILE:HB	16	1.2
(1,716)	1:92:A:VAL:HG21	1:107:A:GLU:HA	20	1.2
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE3	3	1.2
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE1	5	1.2
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE1	6	1.2
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE3	12	1.2
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE1	15	1.2
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	1	1.2
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	6	1.2
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD21	18	1.2
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	15	1.2
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	18	1.2
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	13	1.2
(1,463)	1:142:A:LEU:HD11	1:149:A:ILE:HA	16	1.2
(1,284)	1:79:A:ASP:HB2	1:81:A:VAL:HG13	11	1.2
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	1	1.2
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	16	1.2
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	18	1.2
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	3	1.19
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	4	1.19
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	12	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	14	1.19
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	16	1.19
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	20	1.19
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	4	1.19
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	16	1.19
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	3	1.19
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE1	5	1.19
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	13	1.19
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD13	13	1.19
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	8	1.19
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	8	1.19
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	16	1.19
(1,1604)	1:141:A:SER:HB3	1:93:A:ASN:HB3	14	1.19
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	2	1.19
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB1	13	1.19
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB2	8	1.19
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	2	1.19
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	10	1.19
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	11	1.19
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	13	1.19
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	16	1.19
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	12	1.19
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD11	19	1.19
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE3	1	1.19
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE3	2	1.19
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE1	14	1.19
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE3	16	1.19
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE3	18	1.19
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	9	1.19
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD21	10	1.19
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	11	1.19
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD23	13	1.19
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG12	9	1.19
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	2	1.19
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD22	14	1.19
(1,375)	1:75:A:MET:HB2	1:76:A:LEU:HD22	19	1.19
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	10	1.19
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE2	11	1.19
(1,247)	1:131:A:LYS:HE3	1:136:A:LEU:HB3	8	1.19
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	2	1.19
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	19	1.19
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	17	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4873)	1:129:A:MET:H	1:128:A:SER:HB3	5	1.18
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	2	1.18
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	3	1.18
(1,3591)	1:158:A:HIS:HB3	1:157:A:ALA:HB1	5	1.18
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	4	1.18
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	9	1.18
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	15	1.18
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	19	1.18
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG13	20	1.18
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	11	1.18
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	2	1.18
(1,1625)	1:137:A:SER:HB2	1:140:A:ASP:HB3	2	1.18
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	1	1.18
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	8	1.18
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	3	1.18
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG23	5	1.18
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	9	1.18
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	17	1.18
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG13	3	1.18
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG11	6	1.18
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG12	14	1.18
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	4	1.18
(1,749)	1:71:A:MET:HE1	1:70:A:PRO:HD2	3	1.18
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	9	1.18
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	20	1.18
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	1	1.18
(1,741)	1:78:A:ALA:HB1	1:188:A:TRP:HE3	2	1.18
(1,741)	1:78:A:ALA:HB1	1:188:A:TRP:HE3	14	1.18
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	17	1.18
(1,738)	1:78:A:ALA:HB2	1:187:A:ILE:HB	3	1.18
(1,716)	1:92:A:VAL:HG23	1:107:A:GLU:HA	4	1.18
(1,710)	1:82:A:THR:HB	1:81:A:VAL:HG22	8	1.18
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE3	7	1.18
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE1	8	1.18
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD23	2	1.18
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD23	3	1.18
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	5	1.18
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	15	1.18
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	16	1.18
(1,247)	1:131:A:LYS:HE3	1:136:A:LEU:HB3	4	1.18
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	9	1.18
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	9	1.17
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	17	1.17
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	5	1.17
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	11	1.17
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	1	1.17
(1,3524)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	11	1.17
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	14	1.17
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	12	1.17
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	20	1.17
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	10	1.17
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD13	15	1.17
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG13	12	1.17
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	2	1.17
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	19	1.17
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	2	1.17
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	9	1.17
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	11	1.17
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	15	1.17
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	9	1.17
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	11	1.17
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	17	1.17
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	8	1.17
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	18	1.17
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	13	1.17
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	9	1.17
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG12	1	1.17
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	1	1.17
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	3	1.17
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	8	1.17
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	19	1.17
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	4	1.17
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	7	1.17
(1,695)	1:180:A:LEU:HD12	1:179:A:MET:HE3	9	1.17
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE1	13	1.17
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	19	1.17
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	2	1.17
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD11	8	1.17
(1,480)	1:144:A:THR:HB	1:151:A:ILE:HD11	12	1.17
(1,450)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	13	1.17
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	7	1.17
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	10	1.17
(1,233)	1:111:A:ASN:H	1:110:A:ARG:HD2	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	4	1.17
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	7	1.17
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	11	1.16
(1,4499)	1:128:A:SER:H	1:128:A:SER:HB3	16	1.16
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	8	1.16
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	14	1.16
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	17	1.16
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD11	17	1.16
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD13	20	1.16
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG12	15	1.16
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	2	1.16
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	14	1.16
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	19	1.16
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	15	1.16
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	20	1.16
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	3	1.16
(1,1572)	1:85:A:SER:HB3	1:81:A:VAL:HG21	8	1.16
(1,1572)	1:85:A:SER:HB3	1:81:A:VAL:HG22	20	1.16
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	13	1.16
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	20	1.16
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	6	1.16
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	14	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG13	5	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	6	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	7	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	18	1.16
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG13	20	1.16
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	9	1.16
(1,1133)	1:135:A:GLY:H	1:132:A:GLN:HB3	19	1.16
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	18	1.16
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	3	1.16
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	5	1.16
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG13	9	1.16
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG13	20	1.16
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	2	1.16
(1,795)	1:176:A:MET:HE3	1:69:A:GLN:H	18	1.16
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD21	10	1.16
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	6	1.16
(1,741)	1:78:A:ALA:HB2	1:188:A:TRP:HE3	9	1.16
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	10	1.16
(1,741)	1:78:A:ALA:HB1	1:159:A:TYR:HE2	11	1.16
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	18	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,738)	1:78:A:ALA:HB3	1:187:A:ILE:HB	14	1.16
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD23	4	1.16
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD22	12	1.16
(1,672)	1:110:A:ARG:HB2	1:113:A:LEU:HD21	17	1.16
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD12	8	1.16
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD12	18	1.16
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	2	1.16
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	20	1.16
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	7	1.16
(1,465)	1:142:A:LEU:HD13	1:149:A:ILE:H	12	1.16
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD22	9	1.16
(1,438)	1:178:A:LEU:HD12	1:72:A:VAL:HG12	19	1.16
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	16	1.16
(1,233)	1:110:A:ARG:HD2	1:107:A:GLU:H	19	1.16
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	12	1.16
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	17	1.16
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	20	1.16
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	15	1.16
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	12	1.16
(1,4720)	1:188:A:TRP:HE1	1:74:A:LYS:HD3	9	1.15
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	2	1.15
(1,4499)	1:128:A:SER:H	1:128:A:SER:HB3	5	1.15
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	19	1.15
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	5	1.15
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	11	1.15
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	15	1.15
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	5	1.15
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	18	1.15
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	3	1.15
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	7	1.15
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG13	11	1.15
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	5	1.15
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	1	1.15
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	11	1.15
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	3	1.15
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	7	1.15
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	9	1.15
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	14	1.15
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	12	1.15
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	11	1.15
(1,1572)	1:85:A:SER:HB3	1:81:A:VAL:HG21	2	1.15
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	17	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG12	3	1.15
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	4	1.15
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	12	1.15
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG11	15	1.15
(1,1174)	1:175:A:GLN:H	1:194:A:VAL:HG13	16	1.15
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB2	1	1.15
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	14	1.15
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	18	1.15
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG13	5	1.15
(1,916)	1:88:A:LEU:H	1:86:A:VAL:HG12	19	1.15
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	9	1.15
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	8	1.15
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	13	1.15
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD23	13	1.15
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD23	14	1.15
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	8	1.15
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	13	1.15
(1,741)	1:78:A:ALA:HB1	1:188:A:TRP:HE3	16	1.15
(1,695)	1:180:A:LEU:HD13	1:179:A:MET:HE1	4	1.15
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE1	19	1.15
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG13	19	1.15
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	3	1.15
(1,480)	1:144:A:THR:HB	1:142:A:LEU:HD21	11	1.15
(1,233)	1:110:A:ARG:HD2	1:107:A:GLU:H	14	1.15
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	14	1.15
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	18	1.15
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	18	1.15
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	7	1.15
(1,26)	1:181:A:VAL:HA	1:179:A:MET:HG3	15	1.15
(1,4499)	1:128:A:SER:H	1:128:A:SER:HB3	11	1.14
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	13	1.14
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	16	1.14
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	1	1.14
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	6	1.14
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	10	1.14
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	18	1.14
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	17	1.14
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	2	1.14
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG13	5	1.14
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB2	11	1.14
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	1	1.14
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	17	1.14
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	5	1.14
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	6	1.14
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	13	1.14
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	9	1.14
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	2	1.14
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	3	1.14
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	5	1.14
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	8	1.14
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	20	1.14
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG23	10	1.14
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	4	1.14
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	4	1.14
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG22	13	1.14
(1,1032)	1:132:A:GLN:H	1:130:A:ALA:HB1	19	1.14
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	2	1.14
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	15	1.14
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	11	1.14
(1,747)	1:179:A:MET:HE2	1:179:A:MET:HB2	14	1.14
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD22	1	1.14
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD21	9	1.14
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD22	11	1.14
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD23	19	1.14
(1,716)	1:92:A:VAL:HG22	1:141:A:SER:HB2	16	1.14
(1,710)	1:82:A:THR:HB	1:81:A:VAL:HG22	2	1.14
(1,695)	1:180:A:LEU:HD11	1:179:A:MET:HE1	11	1.14
(1,517)	1:195:A:SER:HB3	1:62:A:TYR:HD1	19	1.14
(1,474)	1:81:A:VAL:HG22	1:188:A:TRP:HB2	11	1.14
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD13	20	1.14
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	12	1.14
(1,233)	1:110:A:ARG:HD2	1:107:A:GLU:H	17	1.14
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	3	1.14
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	8	1.14
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	13	1.14
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	20	1.14
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	19	1.13
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	5	1.13
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	15	1.13
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG21	12	1.13
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	4	1.13
(1,2652)	1:118:A:LYS:H	1:76:A:LEU:HD12	2	1.13
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD13	3	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	18	1.13
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG13	1	1.13
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB2	4	1.13
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	7	1.13
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	14	1.13
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	1	1.13
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	14	1.13
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	1	1.13
(1,1163)	1:161:A:LEU:H	1:88:A:LEU:HB2	17	1.13
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	9	1.13
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	6	1.13
(1,764)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	1	1.13
(1,764)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	10	1.13
(1,747)	1:179:A:MET:HE1	1:179:A:MET:HB2	7	1.13
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD21	7	1.13
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	2	1.13
(1,524)	1:45:A:PRO:HA	1:46:A:ILE:HG13	8	1.13
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	2	1.13
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	1	1.13
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	17	1.12
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	19	1.12
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	10	1.12
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	9	1.12
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	1	1.12
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	17	1.12
(1,3243)	1:81:A:VAL:HG13	1:119:A:PHE:HE2	9	1.12
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	1	1.12
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	14	1.12
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD11	10	1.12
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	6	1.12
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD13	7	1.12
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	19	1.12
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	12	1.12
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG12	9	1.12
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG11	10	1.12
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	3	1.12
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB2	5	1.12
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	8	1.12
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	12	1.12
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	19	1.12
(1,2201)	1:79:A:ASP:H	1:79:A:ASP:HB2	19	1.12
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	13	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	4	1.12
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	16	1.12
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	17	1.12
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	15	1.12
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	4	1.12
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	4	1.12
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	6	1.12
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	7	1.12
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	13	1.12
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	14	1.12
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	19	1.12
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	14	1.12
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	1	1.12
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	12	1.12
(1,1108)	1:111:A:ASN:HD21	1:108:A:THR:HG21	20	1.12
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	15	1.12
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	12	1.12
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB2	16	1.12
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	9	1.12
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD23	5	1.12
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD21	6	1.12
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD21	17	1.12
(1,741)	1:78:A:ALA:HB3	1:188:A:TRP:HE3	19	1.12
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	8	1.12
(1,544)	1:107:A:GLU:HA	1:109:A:LEU:HD11	4	1.12
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	19	1.12
(1,474)	1:81:A:VAL:HG21	1:188:A:TRP:HB2	3	1.12
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	18	1.12
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD22	5	1.12
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB1	14	1.12
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	6	1.12
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	9	1.12
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	5	1.12
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	2	1.11
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	6	1.11
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	2	1.11
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	4	1.11
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	2	1.11
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	3	1.11
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	15	1.11
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	8	1.11
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	9	1.11
(1,3243)	1:81:A:VAL:HG13	1:119:A:PHE:HE2	17	1.11
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	6	1.11
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	9	1.11
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	19	1.11
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	8	1.11
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD13	11	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	6	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	9	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	13	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB2	16	1.11
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	18	1.11
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	8	1.11
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	1	1.11
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	11	1.11
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	12	1.11
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	8	1.11
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	10	1.11
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	18	1.11
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	2	1.11
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	3	1.11
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG23	7	1.11
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	14	1.11
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	7	1.11
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	14	1.11
(1,1001)	1:126:A:GLN:H	1:127:A:LEU:HB2	17	1.11
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	14	1.11
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG12	13	1.11
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD13	4	1.11
(1,744)	1:187:A:ILE:HG22	1:178:A:LEU:HD22	3	1.11
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD22	8	1.11
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	6	1.11
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	4	1.11
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG12	5	1.11
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	10	1.11
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	15	1.11
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	6	1.11
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	13	1.11
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	19	1.11
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	2	1.11
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	3	1.1
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4711)	1:174:A:LEU:H	1:175:A:GLN:HG2	19	1.1
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	11	1.1
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	5	1.1
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	11	1.1
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	12	1.1
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	1	1.1
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	8	1.1
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	6	1.1
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	9	1.1
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	19	1.1
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD13	4	1.1
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	13	1.1
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	7	1.1
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	4	1.1
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	3	1.1
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	8	1.1
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	11	1.1
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	17	1.1
(1,2564)	1:145:A:ARG:HG3	1:144:A:THR:HA	1	1.1
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	4	1.1
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	14	1.1
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	6	1.1
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	15	1.1
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	4	1.1
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	19	1.1
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	4	1.1
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	5	1.1
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	7	1.1
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	18	1.1
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	3	1.1
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	9	1.1
(1,1692)	1:59:A:ILE:HA	1:60:A:ARG:HG2	9	1.1
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	17	1.1
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	1	1.1
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD23	10	1.1
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	15	1.1
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	17	1.1
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	19	1.1
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	15	1.1
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	18	1.1
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	7	1.1
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	17	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG13	4	1.1
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	14	1.1
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD21	18	1.1
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	1	1.1
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	7	1.1
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	2	1.1
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD12	17	1.1
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	13	1.1
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD23	13	1.1
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	13	1.1
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	1	1.1
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	2	1.1
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	4	1.1
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	9	1.1
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	10	1.1
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	17	1.1
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	9	1.1
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	11	1.1
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	15	1.1
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	2	1.09
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	19	1.09
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	2	1.09
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	11	1.09
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	10	1.09
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	11	1.09
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	14	1.09
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	7	1.09
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD13	11	1.09
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	6	1.09
(1,3243)	1:81:A:VAL:HG12	1:119:A:PHE:HE2	7	1.09
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	5	1.09
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	7	1.09
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	4	1.09
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	1	1.09
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	17	1.09
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	20	1.09
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	3	1.09
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	9	1.09
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	14	1.09
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	10	1.09
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	11	1.09
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	17	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	16	1.09
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	3	1.09
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	16	1.09
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	8	1.09
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	13	1.09
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB3	11	1.09
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG11	12	1.09
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG11	16	1.09
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG11	18	1.09
(1,795)	1:176:A:MET:HE3	1:69:A:GLN:H	12	1.09
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	2	1.09
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD22	4	1.09
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD22	12	1.09
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD23	16	1.09
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	3	1.09
(1,671)	1:179:A:MET:HG3	1:145:A:ARG:HG2	11	1.09
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	14	1.09
(1,671)	1:179:A:MET:HG3	1:145:A:ARG:HG2	19	1.09
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD21	12	1.09
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD22	17	1.09
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	20	1.09
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	11	1.09
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	12	1.09
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	14	1.09
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	20	1.09
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	8	1.09
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	13	1.09
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	4	1.09
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	6	1.09
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	17	1.09
(1,4720)	1:188:A:TRP:HE1	1:74:A:LYS:HD3	5	1.08
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	5	1.08
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	8	1.08
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	16	1.08
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	19	1.08
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	3	1.08
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	14	1.08
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	18	1.08
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	6	1.08
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD12	2	1.08
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	9	1.08
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD12	20	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	10	1.08
(1,3243)	1:81:A:VAL:HG12	1:119:A:PHE:HE2	13	1.08
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	3	1.08
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	15	1.08
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	5	1.08
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	13	1.08
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	1	1.08
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB3	2	1.08
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	10	1.08
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	11	1.08
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	9	1.08
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG12	2	1.08
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG11	7	1.08
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	6	1.08
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	7	1.08
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	17	1.08
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	5	1.08
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	7	1.08
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	5	1.08
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	8	1.08
(1,1163)	1:161:A:LEU:H	1:88:A:LEU:HB2	15	1.08
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	10	1.08
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	2	1.08
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	3	1.08
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	4	1.08
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	4	1.08
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	1	1.08
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	18	1.08
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD21	15	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	1	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	5	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	6	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	9	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	10	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	13	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	16	1.08
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	17	1.08
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	12	1.08
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	17	1.08
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	20	1.08
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD12	4	1.08
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG12	13	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	18	1.08
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD23	7	1.08
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	20	1.08
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	2	1.08
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	3	1.08
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	5	1.08
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	6	1.08
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	7	1.08
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	10	1.08
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	10	1.08
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	16	1.08
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	13	1.08
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	1	1.08
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	4	1.08
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	10	1.08
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	3	1.07
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	6	1.07
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	9	1.07
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	14	1.07
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	9	1.07
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	13	1.07
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	15	1.07
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	16	1.07
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	8	1.07
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	17	1.07
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	5	1.07
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	6	1.07
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	3	1.07
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD12	6	1.07
(1,3243)	1:81:A:VAL:HG12	1:119:A:PHE:HE2	12	1.07
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	5	1.07
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	9	1.07
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	19	1.07
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	1	1.07
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	3	1.07
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	2	1.07
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	14	1.07
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	8	1.07
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	17	1.07
(1,2193)	1:162:A:TYR:HB3	1:177:A:GLN:HG3	13	1.07
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	7	1.07
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	2	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	8	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	3	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	5	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	10	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	14	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	16	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	18	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	19	1.07
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	20	1.07
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	6	1.07
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	9	1.07
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	1	1.07
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	6	1.07
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	8	1.07
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	19	1.07
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	5	1.07
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	10	1.07
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	6	1.07
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD23	12	1.07
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	13	1.07
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	9	1.07
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	9	1.07
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	11	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	4	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB3	6	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB2	9	1.07
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB2	20	1.07
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG13	8	1.07
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	6	1.07
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	17	1.07
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	11	1.07
(1,744)	1:187:A:ILE:HG21	1:178:A:LEU:HD21	2	1.07
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	3	1.07
(1,714)	1:92:A:VAL:HG23	1:109:A:LEU:HB2	2	1.07
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	7	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	2	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	3	1.07
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	4	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	5	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	6	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	8	1.07
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	9	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	10	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	11	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	14	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	15	1.07
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	16	1.07
(1,591)	1:34:A:PRO:HG3	1:34:A:PRO:HD2	18	1.07
(1,544)	1:107:A:GLU:HA	1:89:A:VAL:HG13	16	1.07
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	5	1.07
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	9	1.07
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	17	1.07
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	8	1.07
(1,247)	1:131:A:LYS:HE3	1:142:A:LEU:HB3	12	1.07
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	5	1.07
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	16	1.07
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	17	1.07
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	19	1.07
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	15	1.07
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	13	1.07
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	15	1.07
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	16	1.07
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	17	1.07
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	19	1.07
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	2	1.07
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	3	1.07
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	7	1.07
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	14	1.07
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	19	1.07
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG2	11	1.07
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	4	1.06
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	13	1.06
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	6	1.06
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	5	1.06
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	9	1.06
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	14	1.06
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	17	1.06
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	19	1.06
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	20	1.06
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	2	1.06
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	8	1.06
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	12	1.06
(1,3243)	1:81:A:VAL:HG12	1:119:A:PHE:HE2	6	1.06
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	12	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	16	1.06
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	18	1.06
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB3	6	1.06
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	20	1.06
(1,2772)	1:123:A:SER:HB3	1:125:A:GLN:HB3	20	1.06
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	4	1.06
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	1	1.06
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD11	13	1.06
(1,2607)	1:147:A:LYS:HG3	1:136:A:LEU:HD12	16	1.06
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	1	1.06
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB3	10	1.06
(1,2134)	1:134:A:LEU:HB3	1:133:A:GLN:HB3	18	1.06
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD11	11	1.06
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	15	1.06
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	1	1.06
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	4	1.06
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	6	1.06
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	8	1.06
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	11	1.06
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	12	1.06
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	13	1.06
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	15	1.06
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD23	1	1.06
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	7	1.06
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	20	1.06
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	8	1.06
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	10	1.06
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	15	1.06
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	2	1.06
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	11	1.06
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	16	1.06
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	8	1.06
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	10	1.06
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	20	1.06
(1,795)	1:176:A:MET:HE3	1:69:A:GLN:H	9	1.06
(1,744)	1:187:A:ILE:HG23	1:178:A:LEU:HD21	20	1.06
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	5	1.06
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	13	1.06
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	5	1.06
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	16	1.06
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD22	11	1.06
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	19	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HG23	2	1.06
(1,283)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	3	1.06
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	18	1.06
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	2	1.06
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	3	1.06
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	10	1.06
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	13	1.06
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD12	13	1.06
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	18	1.06
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	8	1.06
(1,163)	1:150:A:GLY:HA3	1:149:A:ILE:HB	18	1.06
(1,143)	1:178:A:LEU:HA	1:161:A:LEU:HB3	5	1.06
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	3	1.06
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	5	1.06
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	7	1.06
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	9	1.06
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	19	1.06
(1,72)	1:146:A:SER:HB2	1:149:A:ILE:HB	2	1.06
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD12	16	1.06
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	11	1.05
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	4	1.05
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	7	1.05
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	12	1.05
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	16	1.05
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	1	1.05
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD13	7	1.05
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	20	1.05
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	19	1.05
(1,2655)	1:76:A:LEU:HB2	1:76:A:LEU:HD13	2	1.05
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG13	8	1.05
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	9	1.05
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	12	1.05
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	2	1.05
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	9	1.05
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	2	1.05
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	9	1.05
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	15	1.05
(1,1552)	1:164:A:SER:HB3	1:165:A:ALA:HA	17	1.05
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	17	1.05
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	7	1.05
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	9	1.05
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD21	18	1.05
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD23	19	1.05
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	11	1.05
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	6	1.05
(1,1163)	1:161:A:LEU:H	1:88:A:LEU:HB2	11	1.05
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	18	1.05
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG12	5	1.05
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	3	1.05
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG11	11	1.05
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	13	1.05
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG13	19	1.05
(1,916)	1:88:A:LEU:H	1:155:A:VAL:HG12	10	1.05
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD11	19	1.05
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	19	1.05
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	7	1.05
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	10	1.05
(1,753)	1:112:A:ALA:HB2	1:111:A:ASN:HB3	4	1.05
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	17	1.05
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	1	1.05
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	14	1.05
(1,719)	1:92:A:VAL:HG23	1:175:A:GLN:H	19	1.05
(1,714)	1:92:A:VAL:HG21	1:109:A:LEU:HB2	1	1.05
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	10	1.05
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD13	6	1.05
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	7	1.05
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD11	10	1.05
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	8	1.05
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD11	16	1.05
(1,492)	1:163:A:SER:HB3	1:92:A:VAL:HB	7	1.05
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD23	18	1.05
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	7	1.05
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	16	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	1	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	4	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	6	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	7	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	9	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	11	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	18	1.05
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	20	1.05
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	1	1.05
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	11	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	14	1.05
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	5	1.04
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	7	1.04
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	12	1.04
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	18	1.04
(1,4873)	1:129:A:MET:H	1:128:A:SER:HB3	16	1.04
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	7	1.04
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	10	1.04
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	15	1.04
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	8	1.04
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	10	1.04
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	10	1.04
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	19	1.04
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	12	1.04
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	15	1.04
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	12	1.04
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	17	1.04
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	14	1.04
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	9	1.04
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	17	1.04
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	12	1.04
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	15	1.04
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	17	1.04
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	13	1.04
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	17	1.04
(1,2530)	1:174:A:LEU:HD21	1:92:A:VAL:HG11	18	1.04
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG22	1	1.04
(1,2402)	1:176:A:MET:HG3	1:109:A:LEU:HD23	20	1.04
(1,2295)	1:101:A:ASN:HB3	1:102:A:ALA:HB1	2	1.04
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	1	1.04
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	6	1.04
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	10	1.04
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	19	1.04
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	12	1.04
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	9	1.04
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	4	1.04
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	12	1.04
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	18	1.04
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	20	1.04
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	18	1.04
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	16	1.04
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	12	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	10	1.04
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	20	1.04
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG12	1	1.04
(1,893)	1:86:A:VAL:HG11	1:157:A:ALA:H	19	1.04
(1,769)	1:151:A:ILE:HD11	1:150:A:GLY:H	12	1.04
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	1	1.04
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	4	1.04
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD13	5	1.04
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD12	17	1.04
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD13	18	1.04
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	5	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	4	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	6	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	10	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	11	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	13	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	14	1.04
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	16	1.04
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	17	1.04
(1,492)	1:163:A:SER:HB3	1:92:A:VAL:HB	13	1.04
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	4	1.04
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	11	1.04
(1,450)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	19	1.04
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	10	1.04
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	5	1.04
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	14	1.04
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	8	1.04
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	12	1.04
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	14	1.04
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	15	1.04
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	12	1.04
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	4	1.04
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	16	1.04
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	17	1.04
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	18	1.04
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	5	1.03
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	20	1.03
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	6	1.03
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	11	1.03
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	13	1.03
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	1	1.03
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	20	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	5	1.03
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	17	1.03
(1,4260)	1:171:A:ALA:H	1:172:A:PRO:HD2	20	1.03
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	3	1.03
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD12	14	1.03
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD12	15	1.03
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	14	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	2	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	4	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	5	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	6	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	9	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	11	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	16	1.03
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	19	1.03
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	11	1.03
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	18	1.03
(1,2772)	1:123:A:SER:HB3	1:125:A:GLN:HB3	3	1.03
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG11	6	1.03
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG11	13	1.03
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	4	1.03
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	5	1.03
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	13	1.03
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	5	1.03
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	9	1.03
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	14	1.03
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	19	1.03
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	20	1.03
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	14	1.03
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	4	1.03
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD12	10	1.03
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	13	1.03
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD23	2	1.03
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	9	1.03
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	12	1.03
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	20	1.03
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	1	1.03
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	7	1.03
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	10	1.03
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	12	1.03
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	5	1.03
(1,893)	1:86:A:VAL:HG11	1:157:A:ALA:H	10	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,764)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	2	1.03
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	3	1.03
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	14	1.03
(1,719)	1:92:A:VAL:HG23	1:175:A:GLN:H	16	1.03
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD11	13	1.03
(1,671)	1:179:A:MET:HG3	1:145:A:ARG:HG2	15	1.03
(1,671)	1:160:A:VAL:HB	1:179:A:MET:HG3	18	1.03
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	1	1.03
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	6	1.03
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	14	1.03
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	16	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	3	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	5	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	7	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	8	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	9	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	12	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	15	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	17	1.03
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	19	1.03
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	10	1.03
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	9	1.03
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	3	1.03
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	8	1.03
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	14	1.03
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	15	1.03
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD22	4	1.03
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD23	6	1.03
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	4	1.03
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	16	1.03
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	1	1.03
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	3	1.03
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	12	1.03
(1,216)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	15	1.03
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	6	1.03
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	6	1.03
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	3	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	4	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	9	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	10	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	14	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	15	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	16	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	17	1.02
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	20	1.02
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	1	1.02
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	12	1.02
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	15	1.02
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	18	1.02
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	6	1.02
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB3	17	1.02
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	4	1.02
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	18	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	1	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	3	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	7	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	8	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	13	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	14	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	15	1.02
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	18	1.02
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	7	1.02
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	4	1.02
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	12	1.02
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	15	1.02
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	12	1.02
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	16	1.02
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB3	20	1.02
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	6	1.02
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG13	3	1.02
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	6	1.02
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	10	1.02
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	13	1.02
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	4	1.02
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	11	1.02
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	12	1.02
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	11	1.02
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	5	1.02
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	15	1.02
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG23	14	1.02
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	19	1.02
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	11	1.02
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	13	1.02
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	7	1.02
(1,1201)	1:177:A:GLN:H	1:87:A:LEU:HD22	4	1.02
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	1	1.02
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG11	17	1.02
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB3	14	1.02
(1,997)	1:74:A:LYS:H	1:72:A:VAL:HG11	6	1.02
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	2	1.02
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	9	1.02
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	3	1.02
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	11	1.02
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	13	1.02
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	6	1.02
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	12	1.02
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	8	1.02
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD13	12	1.02
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	11	1.02
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD11	11	1.02
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	1	1.02
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB2	2	1.02
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB3	18	1.02
(1,546)	1:104:A:GLU:HA	1:105:A:ALA:HB1	20	1.02
(1,527)	1:69:A:GLN:HA	1:115:A:ASN:HB2	14	1.02
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	1	1.02
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	1	1.02
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	2	1.02
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	19	1.02
(1,343)	1:71:A:MET:HG3	1:70:A:PRO:HB3	5	1.02
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	5	1.02
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	13	1.02
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	19	1.02
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	5	1.02
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	10	1.02
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD11	5	1.02
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	20	1.02
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	8	1.02
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	12	1.02
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	20	1.02
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG2	17	1.02
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	10	1.01
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	2	1.01
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	8	1.01
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	19	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4556)	1:184:A:GLY:H	1:179:A:MET:HG3	17	1.01
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	18	1.01
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	8	1.01
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD13	16	1.01
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	10	1.01
(1,3076)	1:34:A:PRO:HB2	1:34:A:PRO:HD3	20	1.01
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	1	1.01
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	3	1.01
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	8	1.01
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	19	1.01
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	4	1.01
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	7	1.01
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	10	1.01
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	5	1.01
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	11	1.01
(1,2798)	1:137:A:SER:HB3	1:138:A:PRO:HG3	11	1.01
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	15	1.01
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	17	1.01
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD23	8	1.01
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG11	17	1.01
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG21	14	1.01
(1,2107)	1:93:A:ASN:HD22	1:95:A:ARG:HD3	16	1.01
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	3	1.01
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	14	1.01
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	17	1.01
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	20	1.01
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	9	1.01
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	13	1.01
(1,1637)	1:92:A:VAL:HA	1:93:A:ASN:HB3	16	1.01
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	18	1.01
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	6	1.01
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	3	1.01
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	8	1.01
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	5	1.01
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	18	1.01
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	12	1.01
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG3	7	1.01
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	3	1.01
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	8	1.01
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	12	1.01
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	7	1.01
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	2	1.01
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	9	1.01
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	19	1.01
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	8	1.01
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	8	1.01
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	9	1.01
(1,719)	1:92:A:VAL:HG23	1:175:A:GLN:H	11	1.01
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	20	1.01
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB3	11	1.01
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD13	9	1.01
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD11	10	1.01
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD12	15	1.01
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	14	1.01
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD11	3	1.01
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	7	1.01
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD12	13	1.01
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	1	1.01
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	5	1.01
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	7	1.01
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	10	1.01
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	17	1.01
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD21	1	1.01
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	5	1.01
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	2	1.01
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	8	1.01
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	1	1.01
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	15	1.01
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	2	1.01
(1,5085)	1:8:A:ARG:H	1:8:A:ARG:HG3	5	1.0
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	16	1.0
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	3	1.0
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	19	1.0
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD13	18	1.0
(1,3243)	1:81:A:VAL:HG13	1:119:A:PHE:HE2	1	1.0
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	17	1.0
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	2	1.0
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	7	1.0
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	14	1.0
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	16	1.0
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	18	1.0
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	20	1.0
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB3	3	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB3	5	1.0
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	16	1.0
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	13	1.0
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	8	1.0
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	16	1.0
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	18	1.0
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	19	1.0
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	2	1.0
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	14	1.0
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	11	1.0
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD13	17	1.0
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	1	1.0
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	16	1.0
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	4	1.0
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	5	1.0
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	19	1.0
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB2	8	1.0
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG3	1	1.0
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	10	1.0
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	15	1.0
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	14	1.0
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	19	1.0
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	5	1.0
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	12	1.0
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	14	1.0
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB3	16	1.0
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD13	3	1.0
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD12	7	1.0
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD11	9	1.0
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD11	7	1.0
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	3	1.0
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	16	1.0
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	6	1.0
(1,492)	1:163:A:SER:HB3	1:92:A:VAL:HB	8	1.0
(1,491)	1:181:A:VAL:HA	1:153:A:ARG:HE	16	1.0
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD23	10	1.0
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD23	14	1.0
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	3	1.0
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	6	1.0
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	7	1.0
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	9	1.0
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	11	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	17	1.0
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	8	1.0
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	16	1.0
(1,83)	1:131:A:LYS:HA	1:132:A:GLN:HB2	10	1.0
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	4	0.99
(1,4876)	1:129:A:MET:H	1:129:A:MET:HB3	1	0.99
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	4	0.99
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	16	0.99
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	17	0.99
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	3	0.99
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	11	0.99
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	14	0.99
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	17	0.99
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	17	0.99
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	1	0.99
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	3	0.99
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB3	15	0.99
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	16	0.99
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	2	0.99
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD11	10	0.99
(1,3878)	1:72:A:VAL:HG13	1:87:A:LEU:HD11	12	0.99
(1,3045)	1:68:A:MET:HG2	1:64:A:TRP:HA	20	0.99
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	11	0.99
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	14	0.99
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	7	0.99
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	2	0.99
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	18	0.99
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	14	0.99
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	1	0.99
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	3	0.99
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	4	0.99
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG23	2	0.99
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	7	0.99
(1,1284)	1:196:A:GLN:HE22	1:169:A:VAL:HG22	19	0.99
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	12	0.99
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG11	4	0.99
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG11	12	0.99
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	8	0.99
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	20	0.99
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	12	0.99
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	11	0.99
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	18	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	7	0.99
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	11	0.99
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	14	0.99
(1,893)	1:86:A:VAL:HG11	1:157:A:ALA:H	15	0.99
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	18	0.99
(1,836)	1:131:A:LYS:HB2	1:136:A:LEU:HD13	2	0.99
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	5	0.99
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	6	0.99
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	8	0.99
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	13	0.99
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	3	0.99
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	9	0.99
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB2	15	0.99
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	3	0.99
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	15	0.99
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	6	0.99
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	13	0.99
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	1	0.99
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	13	0.99
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	14	0.99
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	19	0.99
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	9	0.99
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	11	0.99
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	5	0.99
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	18	0.99
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	19	0.99
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	2	0.99
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	2	0.99
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	16	0.99
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	19	0.99
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	5	0.98
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	5	0.98
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	5	0.98
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	5	0.98
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	5	0.98
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	5	0.98
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	1	0.98
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	5	0.98
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	6	0.98
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	18	0.98
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	1	0.98
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	9	0.98
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	14	0.98
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	16	0.98
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	18	0.98
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	2	0.98
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB3	11	0.98
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	14	0.98
(1,4198)	1:50:A:ASP:H	1:50:A:ASP:HB2	4	0.98
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	8	0.98
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	5	0.98
(1,3878)	1:72:A:VAL:HG11	1:87:A:LEU:HD11	17	0.98
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	15	0.98
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB3	5	0.98
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	18	0.98
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	2	0.98
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	4	0.98
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	6	0.98
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	6	0.98
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	8	0.98
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	9	0.98
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB3	14	0.98
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB2	19	0.98
(1,2532)	1:138:A:PRO:HG2	1:128:A:SER:HB2	10	0.98
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG13	16	0.98
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	6	0.98
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	12	0.98
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	17	0.98
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	12	0.98
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	15	0.98
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	5	0.98
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	20	0.98
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	3	0.98
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	20	0.98
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	5	0.98
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG11	15	0.98
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	7	0.98
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	12	0.98
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	16	0.98
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	20	0.98
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	6	0.98
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	17	0.98
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	11	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	3	0.98
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	16	0.98
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	15	0.98
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB1	19	0.98
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	8	0.98
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	13	0.98
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	20	0.98
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	3	0.98
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	14	0.98
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD11	10	0.98
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	4	0.98
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	8	0.98
(1,758)	1:151:A:ILE:HG22	1:154:A:ASN:H	17	0.98
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	9	0.98
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB3	4	0.98
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	6	0.98
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	13	0.98
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB1	17	0.98
(1,714)	1:92:A:VAL:HG22	1:102:A:ALA:HB1	19	0.98
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD13	1	0.98
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD11	7	0.98
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	11	0.98
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD21	12	0.98
(1,492)	1:163:A:SER:HB3	1:92:A:VAL:HB	18	0.98
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	9	0.98
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	12	0.98
(1,487)	1:72:A:VAL:HA	1:71:A:MET:HG3	18	0.98
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD11	15	0.98
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD13	17	0.98
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	10	0.98
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	10	0.98
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	13	0.98
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	13	0.98
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	14	0.98
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	16	0.98
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	19	0.98
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	20	0.97
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	20	0.97
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	20	0.97
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	20	0.97
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	20	0.97
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	20	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	13	0.97
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	18	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	2	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	9	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	11	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	12	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	14	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	15	0.97
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	20	0.97
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	5	0.97
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	11	0.97
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	12	0.97
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	4	0.97
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	12	0.97
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	18	0.97
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB3	19	0.97
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	20	0.97
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	16	0.97
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	15	0.97
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	8	0.97
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	19	0.97
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	2	0.97
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	9	0.97
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	11	0.97
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	20	0.97
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD12	20	0.97
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB2	13	0.97
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	15	0.97
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	12	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	8	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	9	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	10	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	11	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	13	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	14	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	15	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	16	0.97
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	19	0.97
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	4	0.97
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	12	0.97
(1,2746)	1:108:A:THR:HA	1:105:A:ALA:HB1	18	0.97
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	8	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	9	0.97
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	18	0.97
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	15	0.97
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	7	0.97
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD11	7	0.97
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	13	0.97
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	1	0.97
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	3	0.97
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB2	4	0.97
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG23	4	0.97
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	18	0.97
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	5	0.97
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	17	0.97
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	19	0.97
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	15	0.97
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	12	0.97
(1,1058)	1:111:A:ASN:H	1:89:A:VAL:HG13	11	0.97
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	8	0.97
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB2	7	0.97
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	3	0.97
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	5	0.97
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	6	0.97
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	9	0.97
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	9	0.97
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	15	0.97
(1,753)	1:112:A:ALA:HB3	1:115:A:ASN:HB2	20	0.97
(1,719)	1:92:A:VAL:HG23	1:175:A:GLN:H	15	0.97
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB3	5	0.97
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	7	0.97
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	12	0.97
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD12	16	0.97
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	17	0.97
(1,671)	1:179:A:MET:HG3	1:145:A:ARG:HG2	20	0.97
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB1	11	0.97
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD11	19	0.97
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	15	0.97
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	1	0.97
(1,511)	1:85:A:SER:HB2	1:82:A:THR:HG23	8	0.97
(1,438)	1:178:A:LEU:HD11	1:161:A:LEU:HD22	3	0.97
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD21	16	0.97
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	9	0.97
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	19	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB3	5	0.97
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	9	0.97
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	1	0.97
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	3	0.97
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	7	0.97
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	14	0.97
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	3	0.97
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	4	0.97
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	17	0.97
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	19	0.97
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	4	0.97
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	8	0.97
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	13	0.97
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	20	0.97
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	15	0.97
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG23	9	0.96
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	16	0.96
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	17	0.96
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	7	0.96
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	10	0.96
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	13	0.96
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	9	0.96
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	19	0.96
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	12	0.96
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	10	0.96
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB2	5	0.96
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	7	0.96
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB1	9	0.96
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	3	0.96
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	4	0.96
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	14	0.96
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	16	0.96
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	19	0.96
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD13	12	0.96
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	16	0.96
(1,3012)	1:93:A:ASN:HB2	1:165:A:ALA:HB1	10	0.96
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	6	0.96
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB3	14	0.96
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	1	0.96
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	3	0.96
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	5	0.96
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	12	0.96
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	17	0.96
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB3	18	0.96
(1,2759)	1:163:A:SER:HB2	1:177:A:GLN:H	7	0.96
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	2	0.96
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	8	0.96
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	8	0.96
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	9	0.96
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	13	0.96
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	2	0.96
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	4	0.96
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	18	0.96
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	16	0.96
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	3	0.96
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	8	0.96
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG11	19	0.96
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	1	0.96
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	20	0.96
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	14	0.96
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	19	0.96
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	8	0.96
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	13	0.96
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	13	0.96
(1,969)	1:49:A:GLU:H	1:49:A:GLU:HG2	6	0.96
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	4	0.96
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	13	0.96
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	17	0.96
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	1	0.96
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB2	17	0.96
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG21	19	0.96
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	5	0.96
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	2	0.96
(1,719)	1:92:A:VAL:HG23	1:175:A:GLN:H	17	0.96
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	18	0.96
(1,714)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	8	0.96
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	3	0.96
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD12	14	0.96
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	4	0.96
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	13	0.96
(1,438)	1:178:A:LEU:HD12	1:161:A:LEU:HD22	8	0.96
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD22	15	0.96
(1,283)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	7	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	1	0.96
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	11	0.96
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	6	0.96
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	8	0.96
(1,162)	1:150:A:GLY:HA3	1:134:A:LEU:HD22	9	0.96
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	19	0.96
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	6	0.96
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	14	0.96
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	15	0.96
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	9	0.95
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG23	1	0.95
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	7	0.95
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	7	0.95
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	12	0.95
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	4	0.95
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	15	0.95
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	20	0.95
(1,4281)	1:133:A:GLN:H	1:130:A:ALA:HB3	13	0.95
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	10	0.95
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	11	0.95
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	6	0.95
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	13	0.95
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	17	0.95
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	1	0.95
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB2	2	0.95
(1,2857)	1:104:A:GLU:HA	1:105:A:ALA:HB1	20	0.95
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	2	0.95
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	15	0.95
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG23	16	0.95
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	4	0.95
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	16	0.95
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	19	0.95
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	16	0.95
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	18	0.95
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	20	0.95
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	1	0.95
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	4	0.95
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG11	9	0.95
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	12	0.95
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	13	0.95
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	13	0.95
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	1	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	2	0.95
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	10	0.95
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	15	0.95
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	2	0.95
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	10	0.95
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	12	0.95
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	13	0.95
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	13	0.95
(1,1017)	1:67:A:ALA:H	1:69:A:GLN:HB2	9	0.95
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	2	0.95
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	6	0.95
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	19	0.95
(1,893)	1:86:A:VAL:HG12	1:157:A:ALA:H	17	0.95
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	16	0.95
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	16	0.95
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	20	0.95
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	5	0.95
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	6	0.95
(1,717)	1:92:A:VAL:HG23	1:162:A:TYR:HA	17	0.95
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG23	10	0.95
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG21	17	0.95
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	13	0.95
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	3	0.95
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD23	20	0.95
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB3	13	0.95
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	7	0.95
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	9	0.95
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	7	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	2	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	5	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	12	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	13	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG21	15	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	17	0.95
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	18	0.95
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	20	0.95
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	11	0.95
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	16	0.95
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG21	1	0.95
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	2	0.95
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	10	0.95
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	15	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG21	19	0.95
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	20	0.95
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	9	0.95
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	11	0.94
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	15	0.94
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG23	19	0.94
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	13	0.94
(1,4846)	1:63:A:ASP:H	1:64:A:TRP:HB3	8	0.94
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	8	0.94
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	20	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	2	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	5	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	6	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	9	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	16	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	17	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	18	0.94
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	19	0.94
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	16	0.94
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	4	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	5	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	7	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	8	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	10	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD12	15	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	18	0.94
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	20	0.94
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	4	0.94
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	8	0.94
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	19	0.94
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	4	0.94
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	12	0.94
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	14	0.94
(1,2045)	1:100:A:LEU:HB2	1:94:A:ASN:HB3	7	0.94
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	5	0.94
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD11	10	0.94
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	16	0.94
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD11	19	0.94
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	3	0.94
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	11	0.94
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	2	0.94
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	15	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	6	0.94
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	7	0.94
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	2	0.94
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	6	0.94
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	16	0.94
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	20	0.94
(1,1269)	1:183:A:THR:H	1:149:A:ILE:HD11	18	0.94
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	1	0.94
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	2	0.94
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG11	15	0.94
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	11	0.94
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG3	14	0.94
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	7	0.94
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	14	0.94
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	16	0.94
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	4	0.94
(1,893)	1:86:A:VAL:HG13	1:157:A:ALA:H	16	0.94
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	5	0.94
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG23	3	0.94
(1,773)	1:151:A:ILE:HD13	1:134:A:LEU:HA	7	0.94
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	12	0.94
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	16	0.94
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	7	0.94
(1,714)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	18	0.94
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD13	20	0.94
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	6	0.94
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	14	0.94
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG12	20	0.94
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD12	8	0.94
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	1	0.94
(1,214)	1:88:A:LEU:HB3	1:160:A:VAL:HG13	12	0.94
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG13	19	0.94
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	3	0.94
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB3	7	0.94
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	9	0.94
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	10	0.94
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB1	14	0.94
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	18	0.94
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	3	0.94
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	13	0.94
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	10	0.94
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	5	0.94
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	7	0.94
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	12	0.94
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG22	18	0.94
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	1	0.94
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	6	0.94
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	7	0.94
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	14	0.94
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	6	0.94
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	7	0.94
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	14	0.94
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	4	0.94
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG23	3	0.93
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	10	0.93
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	18	0.93
(1,4873)	1:129:A:MET:H	1:128:A:SER:HB3	11	0.93
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	14	0.93
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	4	0.93
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	6	0.93
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	18	0.93
(1,4478)	1:85:A:SER:H	1:85:A:SER:HB3	2	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	1	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	3	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	4	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	8	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	10	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	11	0.93
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	14	0.93
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	3	0.93
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	5	0.93
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	6	0.93
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	13	0.93
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	15	0.93
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	19	0.93
(1,4105)	1:105:A:ALA:H	1:104:A:GLU:HG3	10	0.93
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	7	0.93
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	1	0.93
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	19	0.93
(1,3805)	1:142:A:LEU:HD23	1:162:A:TYR:HE1	5	0.93
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	6	0.93
(1,3805)	1:142:A:LEU:HD21	1:162:A:TYR:HE1	17	0.93
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD13	1	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3681)	1:179:A:MET:HG2	1:186:A:ILE:HD11	12	0.93
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG12	4	0.93
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG11	11	0.93
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	16	0.93
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	6	0.93
(1,3042)	1:68:A:MET:HG2	1:109:A:LEU:HD22	20	0.93
(1,2759)	1:163:A:SER:HB2	1:177:A:GLN:H	13	0.93
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	11	0.93
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	6	0.93
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	10	0.93
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG21	20	0.93
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	1	0.93
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	3	0.93
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	5	0.93
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	20	0.93
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	19	0.93
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	17	0.93
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	8	0.93
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	2	0.93
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	15	0.93
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	11	0.93
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	14	0.93
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	16	0.93
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	19	0.93
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	8	0.93
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	12	0.93
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	5	0.93
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	6	0.93
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	2	0.93
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	2	0.93
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	20	0.93
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD22	16	0.93
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG11	12	0.93
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	1	0.93
(1,961)	1:147:A:LYS:H	1:148:A:ALA:HB1	20	0.93
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	4	0.93
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	11	0.93
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	12	0.93
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	1	0.93
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	17	0.93
(1,758)	1:151:A:ILE:HG21	1:154:A:ASN:H	18	0.93
(1,719)	1:92:A:VAL:HG21	1:175:A:GLN:H	4	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,719)	1:92:A:VAL:HG22	1:175:A:GLN:H	10	0.93
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	12	0.93
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	1	0.93
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	8	0.93
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD23	11	0.93
(1,511)	1:85:A:SER:HB2	1:82:A:THR:HG21	20	0.93
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	5	0.93
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	20	0.93
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	16	0.93
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB1	11	0.93
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	4	0.93
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	7	0.93
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	4	0.93
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	20	0.93
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	14	0.93
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	18	0.93
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	13	0.93
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	7	0.93
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	11	0.93
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG21	8	0.93
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG21	9	0.93
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD13	19	0.93
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	2	0.92
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	14	0.92
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	9	0.92
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	15	0.92
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	10	0.92
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	13	0.92
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	7	0.92
(1,4407)	1:163:A:SER:H	1:162:A:TYR:HB2	13	0.92
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	4	0.92
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	7	0.92
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	10	0.92
(1,4105)	1:105:A:ALA:H	1:104:A:GLU:HG3	1	0.92
(1,4105)	1:105:A:ALA:H	1:104:A:GLU:HG3	2	0.92
(1,4001)	1:197:A:GLN:H	1:61:A:HIS:HB2	2	0.92
(1,3861)	1:128:A:SER:HB2	1:138:A:PRO:HB2	11	0.92
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	5	0.92
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	4	0.92
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	15	0.92
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	3	0.92
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	14	0.92
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	16	0.92
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	18	0.92
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	14	0.92
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	19	0.92
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	6	0.92
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	14	0.92
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	19	0.92
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	7	0.92
(1,2093)	1:180:A:LEU:HB3	1:187:A:ILE:HG13	20	0.92
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	15	0.92
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD12	6	0.92
(1,1557)	1:166:A:SER:HB2	1:167:A:GLY:HA2	7	0.92
(1,1557)	1:166:A:SER:HB2	1:167:A:GLY:HA2	14	0.92
(1,1557)	1:166:A:SER:HB2	1:167:A:GLY:HA2	18	0.92
(1,1527)	1:163:A:SER:HB3	1:176:A:MET:HB2	10	0.92
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG11	2	0.92
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	11	0.92
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	13	0.92
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	7	0.92
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	9	0.92
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG11	18	0.92
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG11	19	0.92
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	2	0.92
(1,1199)	1:170:A:ASN:H	1:97:A:ASN:HD22	5	0.92
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	3	0.92
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	7	0.92
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	14	0.92
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	19	0.92
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	7	0.92
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	16	0.92
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD11	15	0.92
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD22	20	0.92
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	15	0.92
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	8	0.92
(1,842)	1:130:A:ALA:HB2	1:155:A:VAL:HB	11	0.92
(1,842)	1:130:A:ALA:HB2	1:155:A:VAL:HB	13	0.92
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	18	0.92
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	1	0.92
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	10	0.92
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	6	0.92
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	14	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,749)	1:71:A:MET:HE2	1:70:A:PRO:HD2	18	0.92
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	13	0.92
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	9	0.92
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	18	0.92
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	16	0.92
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	2	0.92
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	15	0.92
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD13	18	0.92
(1,269)	1:121:A:LEU:HB3	1:123:A:SER:HA	4	0.92
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	3	0.92
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	11	0.92
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	9	0.92
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	13	0.92
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB3	16	0.92
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	19	0.92
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	2	0.92
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	6	0.92
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	10	0.92
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG23	16	0.92
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	12	0.92
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	1	0.92
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG23	9	0.92
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	5	0.92
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	9	0.92
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG21	3	0.92
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	4	0.92
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	17	0.92
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG23	18	0.92
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	18	0.92
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	2	0.91
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	2	0.91
(1,4478)	1:85:A:SER:H	1:85:A:SER:HB3	8	0.91
(1,4478)	1:85:A:SER:H	1:85:A:SER:HB3	20	0.91
(1,4198)	1:50:A:ASP:H	1:50:A:ASP:HB2	13	0.91
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	5	0.91
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	20	0.91
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	9	0.91
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	1	0.91
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB3	2	0.91
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	7	0.91
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	13	0.91
(1,2759)	1:163:A:SER:HB2	1:177:A:GLN:H	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	1	0.91
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	9	0.91
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	13	0.91
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	20	0.91
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	1	0.91
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	10	0.91
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	11	0.91
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	15	0.91
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	3	0.91
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	4	0.91
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	6	0.91
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	7	0.91
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	13	0.91
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	3	0.91
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	10	0.91
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	7	0.91
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	5	0.91
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	17	0.91
(1,1557)	1:166:A:SER:HB2	1:167:A:GLY:HA2	4	0.91
(1,1557)	1:166:A:SER:HB2	1:167:A:GLY:HA2	17	0.91
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	1	0.91
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG13	10	0.91
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	9	0.91
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	18	0.91
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	18	0.91
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	3	0.91
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	20	0.91
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	14	0.91
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	5	0.91
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD23	15	0.91
(1,961)	1:147:A:LYS:H	1:147:A:LYS:HG2	9	0.91
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB2	17	0.91
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	4	0.91
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG22	14	0.91
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	8	0.91
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	11	0.91
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	7	0.91
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	12	0.91
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	4	0.91
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	2	0.91
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	14	0.91
(1,717)	1:92:A:VAL:HG23	1:162:A:TYR:HA	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	7	0.91
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD11	11	0.91
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD12	5	0.91
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	12	0.91
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	18	0.91
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	14	0.91
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	6	0.91
(1,214)	1:88:A:LEU:HB3	1:160:A:VAL:HG11	18	0.91
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	2	0.91
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	7	0.91
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	1	0.91
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	2	0.91
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	4	0.91
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB1	6	0.91
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB3	8	0.91
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	5	0.91
(1,162)	1:150:A:GLY:HA3	1:149:A:ILE:HG22	11	0.91
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	7	0.91
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	13	0.91
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	9	0.91
(1,112)	1:159:A:TYR:HA	1:181:A:VAL:HG21	10	0.91
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	3	0.91
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG2	1	0.91
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	1	0.9
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	6	0.9
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	13	0.9
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	12	0.9
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	20	0.9
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	8	0.9
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	16	0.9
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	19	0.9
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	1	0.9
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	1	0.9
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	2	0.9
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	8	0.9
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	11	0.9
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	1	0.9
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	5	0.9
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	3	0.9
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	3	0.9
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	10	0.9
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	16	0.9
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	15	0.9
(1,2774)	1:138:A:PRO:HA	1:131:A:LYS:HD2	10	0.9
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	19	0.9
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	2	0.9
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	7	0.9
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	10	0.9
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	11	0.9
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	13	0.9
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	2	0.9
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	12	0.9
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	13	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB2	3	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	10	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	13	0.9
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB2	19	0.9
(1,1476)	1:106:A:THR:HB	1:92:A:VAL:HG12	11	0.9
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	3	0.9
(1,1302)	1:104:A:GLU:HG3	1:64:A:TRP:HD1	1	0.9
(1,1302)	1:104:A:GLU:HG3	1:64:A:TRP:HD1	2	0.9
(1,1302)	1:104:A:GLU:HG3	1:64:A:TRP:HD1	10	0.9
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	15	0.9
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	14	0.9
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	14	0.9
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG13	16	0.9
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	7	0.9
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	14	0.9
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	18	0.9
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	1	0.9
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	3	0.9
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	8	0.9
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	11	0.9
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	16	0.9
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	3	0.9
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	7	0.9
(1,842)	1:130:A:ALA:HB2	1:155:A:VAL:HB	15	0.9
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG22	9	0.9
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	16	0.9
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	6	0.9
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD12	13	0.9
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	20	0.9
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	13	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	10	0.9
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	9	0.9
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD11	9	0.9
(1,513)	1:138:A:PRO:HA	1:142:A:LEU:HD21	12	0.9
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	3	0.9
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD21	1	0.9
(1,363)	1:176:A:MET:HG2	1:67:A:ALA:HB2	7	0.9
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	17	0.9
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	5	0.9
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	10	0.9
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	1	0.9
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG13	4	0.9
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	7	0.9
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	14	0.9
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	19	0.9
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB2	15	0.9
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB1	17	0.9
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB1	20	0.9
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	17	0.9
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	11	0.9
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	18	0.9
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	4	0.9
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	6	0.9
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	8	0.9
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	17	0.9
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG12	13	0.9
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	5	0.9
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	11	0.9
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	1	0.9
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	20	0.89
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	5	0.89
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG22	6	0.89
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	1	0.89
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	20	0.89
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	13	0.89
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	18	0.89
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	11	0.89
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG23	1	0.89
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	10	0.89
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	17	0.89
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	11	0.89
(1,4321)	1:170:A:ASN:H	1:170:A:ASN:HB3	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	18	0.89
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	10	0.89
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG12	12	0.89
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	2	0.89
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	4	0.89
(1,3238)	1:81:A:VAL:HG23	1:119:A:PHE:HD1	13	0.89
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	13	0.89
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	5	0.89
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB3	6	0.89
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	9	0.89
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB3	11	0.89
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	2	0.89
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	2	0.89
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	16	0.89
(1,2234)	1:176:A:MET:HB3	1:175:A:GLN:HA	13	0.89
(1,2176)	1:109:A:LEU:HB2	1:89:A:VAL:HG23	11	0.89
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	1	0.89
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	5	0.89
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	9	0.89
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	10	0.89
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD13	7	0.89
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB2	7	0.89
(1,1505)	1:106:A:THR:HA	1:109:A:LEU:HD11	20	0.89
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	5	0.89
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	4	0.89
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	20	0.89
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	5	0.89
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG11	19	0.89
(1,1199)	1:170:A:ASN:H	1:97:A:ASN:HD22	7	0.89
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	7	0.89
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	9	0.89
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	6	0.89
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD11	9	0.89
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	18	0.89
(1,1001)	1:129:A:MET:H	1:124:A:ALA:HB3	3	0.89
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB3	15	0.89
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	6	0.89
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	10	0.89
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	12	0.89
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	14	0.89
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG23	7	0.89
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	5	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	17	0.89
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	18	0.89
(1,758)	1:151:A:ILE:HG23	1:154:A:ASN:H	12	0.89
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	9	0.89
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	11	0.89
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	18	0.89
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	20	0.89
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	8	0.89
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	13	0.89
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	5	0.89
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	16	0.89
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	18	0.89
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	7	0.89
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	15	0.89
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD13	5	0.89
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	4	0.89
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG13	6	0.89
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG13	18	0.89
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB3	6	0.89
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	6	0.89
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD21	2	0.89
(1,167)	1:156:A:GLY:HA3	1:157:A:ALA:HB3	12	0.89
(1,166)	1:143:A:GLY:HA3	1:142:A:LEU:HB3	8	0.89
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	9	0.89
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	11	0.89
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD22	5	0.89
(1,5102)	1:17:A:LYS:H	1:17:A:LYS:HB2	14	0.88
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG21	4	0.88
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	20	0.88
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	18	0.88
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	8	0.88
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	11	0.88
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	7	0.88
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	16	0.88
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	3	0.88
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	11	0.88
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	13	0.88
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	12	0.88
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	1	0.88
(1,3381)	1:92:A:VAL:HG12	1:68:A:MET:HE1	2	0.88
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	11	0.88
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	15	0.88
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG11	2	0.88
(1,3243)	1:81:A:VAL:HG13	1:119:A:PHE:HE2	18	0.88
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	8	0.88
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	1	0.88
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	8	0.88
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	12	0.88
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB2	17	0.88
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	6	0.88
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	20	0.88
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	11	0.88
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE3	1	0.88
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	13	0.88
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	14	0.88
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	3	0.88
(1,2321)	1:111:A:ASN:HD22	1:107:A:GLU:HG2	7	0.88
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	20	0.88
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	16	0.88
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	15	0.88
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	14	0.88
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	18	0.88
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	17	0.88
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	12	0.88
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	4	0.88
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	9	0.88
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	6	0.88
(1,1235)	1:184:A:GLY:H	1:181:A:VAL:HG12	11	0.88
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	8	0.88
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	19	0.88
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD23	18	0.88
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	9	0.88
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	10	0.88
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	14	0.88
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG12	2	0.88
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	11	0.88
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	1	0.88
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	7	0.88
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG11	16	0.88
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	18	0.88
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	1	0.88
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	2	0.88
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	2	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	13	0.88
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	15	0.88
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	5	0.88
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	10	0.88
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	19	0.88
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	20	0.88
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	10	0.88
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	2	0.88
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	7	0.88
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	3	0.88
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	4	0.88
(1,701)	1:88:A:LEU:HD22	1:127:A:LEU:HB2	10	0.88
(1,671)	1:179:A:MET:HG3	1:145:A:ARG:HG2	12	0.88
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD11	5	0.88
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	12	0.88
(1,513)	1:138:A:PRO:HA	1:151:A:ILE:HD12	10	0.88
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	15	0.88
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	19	0.88
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	14	0.88
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	19	0.88
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	15	0.88
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	20	0.88
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB1	19	0.88
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	4	0.88
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	12	0.88
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	13	0.88
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	15	0.88
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	16	0.88
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	3	0.88
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	5	0.88
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	10	0.88
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	12	0.88
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	3	0.88
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	6	0.87
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	5	0.87
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	13	0.87
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	18	0.87
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	3	0.87
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	6	0.87
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	14	0.87
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	2	0.87
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	4	0.87
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	3	0.87
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	5	0.87
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	7	0.87
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	4	0.87
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	1	0.87
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	18	0.87
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	2	0.87
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	10	0.87
(1,2961)	1:66:A:GLY:HA2	1:67:A:ALA:HB1	18	0.87
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	4	0.87
(1,2774)	1:138:A:PRO:HA	1:131:A:LYS:HD2	8	0.87
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG21	7	0.87
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	13	0.87
(1,2530)	1:174:A:LEU:HD23	1:92:A:VAL:HG12	19	0.87
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	14	0.87
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	7	0.87
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	15	0.87
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	20	0.87
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD11	20	0.87
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	10	0.87
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	4	0.87
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	4	0.87
(1,1313)	1:64:A:TRP:HZ2	1:172:A:PRO:HG2	17	0.87
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	12	0.87
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	18	0.87
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	3	0.87
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	19	0.87
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	4	0.87
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	15	0.87
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	20	0.87
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	7	0.87
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG11	4	0.87
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	17	0.87
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	13	0.87
(1,842)	1:130:A:ALA:HB3	1:155:A:VAL:HB	9	0.87
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	5	0.87
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	5	0.87
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	14	0.87
(1,715)	1:92:A:VAL:HG21	1:109:A:LEU:HA	17	0.87
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	18	0.87
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG21	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,707)	1:108:A:THR:HG21	1:68:A:MET:H	10	0.87
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	12	0.87
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	20	0.87
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	10	0.87
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	10	0.87
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	5	0.87
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	15	0.87
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	18	0.87
(1,490)	1:181:A:VAL:HA	1:182:A:GLN:HA	13	0.87
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	15	0.87
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	19	0.87
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	12	0.87
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	7	0.87
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	15	0.87
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	6	0.87
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	8	0.87
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	17	0.87
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	18	0.87
(1,236)	1:134:A:LEU:HB3	1:135:A:GLY:HA2	20	0.87
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	11	0.87
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD21	6	0.87
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	15	0.87
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	16	0.87
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	7	0.87
(1,69)	1:92:A:VAL:HA	1:106:A:THR:HG22	12	0.87
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	9	0.87
(1,4885)	1:104:A:GLU:H	1:106:A:THR:HG23	8	0.86
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	2	0.86
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	3	0.86
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	17	0.86
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	2	0.86
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	4	0.86
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	15	0.86
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	5	0.86
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	9	0.86
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	14	0.86
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	15	0.86
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	8	0.86
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	13	0.86
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	5	0.86
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	3	0.86
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	12	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	3	0.86
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	15	0.86
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	8	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	1	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	6	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG12	9	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG12	10	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	12	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	13	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	14	0.86
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG12	19	0.86
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG11	1	0.86
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG11	9	0.86
(1,3310)	1:100:A:LEU:HD12	1:92:A:VAL:HG13	10	0.86
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	20	0.86
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	12	0.86
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	7	0.86
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	15	0.86
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	13	0.86
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	10	0.86
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	3	0.86
(1,2759)	1:163:A:SER:HB2	1:177:A:GLN:H	18	0.86
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	5	0.86
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	7	0.86
(1,2698)	1:108:A:THR:HG21	1:68:A:MET:HE2	19	0.86
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	20	0.86
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	6	0.86
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	8	0.86
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	16	0.86
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	14	0.86
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	17	0.86
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	1	0.86
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	12	0.86
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	5	0.86
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	10	0.86
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	10	0.86
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	6	0.86
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	17	0.86
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG11	13	0.86
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	19	0.86
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	12	0.86
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	11	0.86
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	13	0.86
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	15	0.86
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	16	0.86
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	20	0.86
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	13	0.86
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD22	5	0.86
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	19	0.86
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	5	0.86
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	17	0.86
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD23	20	0.86
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	6	0.86
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	17	0.86
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB3	19	0.86
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	13	0.86
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG11	18	0.86
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	20	0.86
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	8	0.86
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG21	11	0.86
(1,798)	1:122:A:VAL:HG12	1:88:A:LEU:H	6	0.86
(1,796)	1:181:A:VAL:HG13	1:152:A:ALA:H	4	0.86
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	11	0.86
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	20	0.86
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	8	0.86
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	10	0.86
(1,765)	1:79:A:ASP:HB2	1:187:A:ILE:HD13	3	0.86
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	16	0.86
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	12	0.86
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	20	0.86
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	7	0.86
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	18	0.86
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	16	0.86
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	18	0.86
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	16	0.86
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD11	13	0.86
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	12	0.86
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	18	0.86
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD11	13	0.86
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	17	0.86
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	18	0.86
(1,490)	1:181:A:VAL:HA	1:182:A:GLN:HA	1	0.86
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	9	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	10	0.86
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	11	0.86
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	12	0.86
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	14	0.86
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	20	0.86
(1,463)	1:142:A:LEU:HD13	1:151:A:ILE:HA	15	0.86
(1,398)	1:61:A:HIS:HB3	1:197:A:GLN:HG3	8	0.86
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD23	10	0.86
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	17	0.86
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	1	0.86
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	10	0.86
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	5	0.86
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	7	0.85
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	9	0.85
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	20	0.85
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	4	0.85
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	12	0.85
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG23	7	0.85
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	9	0.85
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	7	0.85
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	2	0.85
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	8	0.85
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	7	0.85
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	17	0.85
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	11	0.85
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	7	0.85
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	17	0.85
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG13	6	0.85
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG12	16	0.85
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG11	19	0.85
(1,3263)	1:194:A:VAL:HG22	1:68:A:MET:HE3	9	0.85
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	12	0.85
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	14	0.85
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	19	0.85
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	19	0.85
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	6	0.85
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	20	0.85
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	2	0.85
(1,2698)	1:108:A:THR:HG21	1:68:A:MET:HE2	10	0.85
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	7	0.85
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG23	2	0.85
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG23	8	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG23	14	0.85
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	4	0.85
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	9	0.85
(1,2530)	1:174:A:LEU:HD22	1:92:A:VAL:HG13	14	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	1	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	2	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	4	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	9	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	10	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	11	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	13	0.85
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	19	0.85
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	12	0.85
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	4	0.85
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	16	0.85
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD13	19	0.85
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	1	0.85
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	8	0.85
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	16	0.85
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	3	0.85
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	8	0.85
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD11	8	0.85
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG21	9	0.85
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	3	0.85
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	19	0.85
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	11	0.85
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	9	0.85
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	10	0.85
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	13	0.85
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD22	17	0.85
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	6	0.85
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	16	0.85
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG12	14	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	4	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG11	6	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	10	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG11	11	0.85
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	14	0.85
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	10	0.85
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB1	2	0.85
(1,801)	1:127:A:LEU:HG	1:151:A:ILE:HG23	1	0.85
(1,798)	1:122:A:VAL:HG11	1:88:A:LEU:H	16	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	14	0.85
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	2	0.85
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	13	0.85
(1,773)	1:151:A:ILE:HD13	1:134:A:LEU:HA	15	0.85
(1,773)	1:151:A:ILE:HD13	1:134:A:LEU:HA	20	0.85
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	15	0.85
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	4	0.85
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	3	0.85
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	5	0.85
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG23	11	0.85
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	11	0.85
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	20	0.85
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	19	0.85
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	9	0.85
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD13	10	0.85
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	4	0.85
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	11	0.85
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	6	0.85
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	3	0.85
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	4	0.85
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	16	0.85
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	2	0.85
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD22	3	0.85
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG12	7	0.85
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	8	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	2	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	3	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	6	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	7	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	8	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	10	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	13	0.85
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	15	0.85
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	2	0.85
(1,214)	1:88:A:LEU:HB3	1:160:A:VAL:HG13	15	0.85
(1,214)	1:88:A:LEU:HB3	1:160:A:VAL:HG11	16	0.85
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG11	17	0.85
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	20	0.85
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	16	0.85
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	8	0.85
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	18	0.85
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG22	7	0.84
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	18	0.84
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	12	0.84
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	10	0.84
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	14	0.84
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	2	0.84
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	12	0.84
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	17	0.84
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	10	0.84
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	12	0.84
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	17	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD21	1	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	2	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD21	7	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	8	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	10	0.84
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	13	0.84
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	2	0.84
(1,3918)	1:64:A:TRP:HE1	1:104:A:GLU:HG3	2	0.84
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	3	0.84
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	9	0.84
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	20	0.84
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	5	0.84
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	20	0.84
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE2	14	0.84
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	13	0.84
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	4	0.84
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	8	0.84
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	16	0.84
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG11	20	0.84
(1,3310)	1:100:A:LEU:HD12	1:92:A:VAL:HG12	3	0.84
(1,3263)	1:194:A:VAL:HG21	1:68:A:MET:HE3	6	0.84
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	17	0.84
(1,3263)	1:194:A:VAL:HG22	1:68:A:MET:HE3	18	0.84
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	5	0.84
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	17	0.84
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	16	0.84
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	11	0.84
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	5	0.84
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	9	0.84
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	11	0.84
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	14	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	9	0.84
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	14	0.84
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	3	0.84
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	10	0.84
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	16	0.84
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	16	0.84
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	2	0.84
(1,2698)	1:108:A:THR:HG21	1:68:A:MET:HE2	3	0.84
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	18	0.84
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG21	1	0.84
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	1	0.84
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	2	0.84
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD21	5	0.84
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	6	0.84
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	10	0.84
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	5	0.84
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	7	0.84
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	20	0.84
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	3	0.84
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	4	0.84
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD13	10	0.84
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB2	9	0.84
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	14	0.84
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	2	0.84
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG13	7	0.84
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	8	0.84
(1,1299)	1:75:A:MET:HE1	1:119:A:PHE:HZ	19	0.84
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	8	0.84
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	9	0.84
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	20	0.84
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	6	0.84
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	10	0.84
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	18	0.84
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	1	0.84
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD22	12	0.84
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	19	0.84
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	5	0.84
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	8	0.84
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	1	0.84
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG11	15	0.84
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG12	20	0.84
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	2	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	3	0.84
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	5	0.84
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	8	0.84
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB3	15	0.84
(1,842)	1:130:A:ALA:HB1	1:155:A:VAL:HB	20	0.84
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	1	0.84
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	6	0.84
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	7	0.84
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	10	0.84
(1,796)	1:181:A:VAL:HG13	1:152:A:ALA:H	18	0.84
(1,795)	1:176:A:MET:HE1	1:68:A:MET:H	20	0.84
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	4	0.84
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	3	0.84
(1,771)	1:151:A:ILE:HD11	1:154:A:ASN:HD22	15	0.84
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	20	0.84
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	10	0.84
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	4	0.84
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	8	0.84
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	15	0.84
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	5	0.84
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	6	0.84
(1,715)	1:92:A:VAL:HG21	1:109:A:LEU:HA	19	0.84
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	5	0.84
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD11	6	0.84
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	20	0.84
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	1	0.84
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	3	0.84
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	6	0.84
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD23	4	0.84
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	7	0.84
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD23	17	0.84
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	2	0.84
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	6	0.84
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	17	0.84
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	16	0.84
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	17	0.84
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG12	2	0.84
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	9	0.84
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD22	11	0.84
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD23	13	0.84
(1,374)	1:75:A:MET:HB2	1:161:A:LEU:HD21	16	0.84
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	19	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	11	0.84
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB1	11	0.84
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	4	0.84
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	15	0.84
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	13	0.84
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	15	0.84
(1,73)	1:146:A:SER:HB3	1:149:A:ILE:HD13	16	0.84
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	14	0.84
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	14	0.84
(1,5038)	1:69:A:GLN:HE21	1:115:A:ASN:HB2	14	0.83
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG23	4	0.83
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	1	0.83
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	3	0.83
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	16	0.83
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	18	0.83
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	11	0.83
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	15	0.83
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	9	0.83
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	4	0.83
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	2	0.83
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	12	0.83
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	18	0.83
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	8	0.83
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	10	0.83
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	6	0.83
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	7	0.83
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	14	0.83
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD13	13	0.83
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	1	0.83
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	2	0.83
(1,3422)	1:176:A:MET:HE1	1:68:A:MET:HG3	5	0.83
(1,3422)	1:176:A:MET:HE1	1:68:A:MET:HG3	20	0.83
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG13	2	0.83
(1,3328)	1:92:A:VAL:H	1:92:A:VAL:HG12	18	0.83
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG12	14	0.83
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	4	0.83
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	16	0.83
(1,3263)	1:194:A:VAL:HG22	1:68:A:MET:HE3	19	0.83
(1,3263)	1:194:A:VAL:HG21	1:68:A:MET:HE3	20	0.83
(1,3260)	1:81:A:VAL:HG11	1:188:A:TRP:H	7	0.83
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	20	0.83
(1,3238)	1:81:A:VAL:HG22	1:119:A:PHE:HD1	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3238)	1:81:A:VAL:HG23	1:119:A:PHE:HD1	11	0.83
(1,3238)	1:81:A:VAL:HG21	1:119:A:PHE:HD1	19	0.83
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	14	0.83
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	8	0.83
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB2	20	0.83
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	7	0.83
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	17	0.83
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	8	0.83
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	2	0.83
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE2	20	0.83
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	11	0.83
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	15	0.83
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	8	0.83
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD12	13	0.83
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG21	4	0.83
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	7	0.83
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD21	12	0.83
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	14	0.83
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	16	0.83
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	18	0.83
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD21	9	0.83
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	20	0.83
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB3	5	0.83
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	2	0.83
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	5	0.83
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	6	0.83
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	20	0.83
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	1	0.83
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	16	0.83
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	8	0.83
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	16	0.83
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	17	0.83
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	5	0.83
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	8	0.83
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	9	0.83
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD22	8	0.83
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD23	14	0.83
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD22	20	0.83
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	17	0.83
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD22	12	0.83
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	16	0.83
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	1	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB2	5	0.83
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	20	0.83
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	1	0.83
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	1	0.83
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	9	0.83
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB3	13	0.83
(1,1014)	1:191:A:LYS:H	1:191:A:LYS:HE3	1	0.83
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	10	0.83
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	17	0.83
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD13	1	0.83
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB1	20	0.83
(1,842)	1:130:A:ALA:HB2	1:155:A:VAL:HB	17	0.83
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	3	0.83
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	8	0.83
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	17	0.83
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	1	0.83
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	14	0.83
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	3	0.83
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	19	0.83
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	13	0.83
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	2	0.83
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	6	0.83
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	2	0.83
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	9	0.83
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	13	0.83
(1,698)	1:178:A:LEU:HD11	1:161:A:LEU:HD11	4	0.83
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	9	0.83
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD23	13	0.83
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG11	3	0.83
(1,513)	1:138:A:PRO:HA	1:142:A:LEU:HD23	20	0.83
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD21	1	0.83
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD23	9	0.83
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	7	0.83
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	8	0.83
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	18	0.83
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	5	0.83
(1,456)	1:100:A:LEU:HD12	1:62:A:TYR:HE2	18	0.83
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	8	0.83
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG11	14	0.83
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	13	0.83
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	14	0.83
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE2	17	0.83
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	1	0.83
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	3	0.83
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	19	0.83
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	2	0.83
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	19	0.83
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	2	0.82
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	2	0.82
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	2	0.82
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	2	0.82
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	2	0.82
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	2	0.82
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	11	0.82
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	1	0.82
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	10	0.82
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	4	0.82
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	6	0.82
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	11	0.82
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	13	0.82
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	9	0.82
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	15	0.82
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	3	0.82
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD23	5	0.82
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	11	0.82
(1,4549)	1:146:A:SER:H	1:145:A:ARG:HB3	16	0.82
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	17	0.82
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	15	0.82
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	17	0.82
(1,3918)	1:64:A:TRP:HE1	1:104:A:GLU:HG3	1	0.82
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	19	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	2	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	3	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	4	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	6	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG23	9	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG23	13	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG23	14	0.82
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	19	0.82
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	19	0.82
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	2	0.82
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	10	0.82
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	1	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	7	0.82
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	18	0.82
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	1	0.82
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	10	0.82
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	18	0.82
(1,3238)	1:81:A:VAL:HG23	1:119:A:PHE:HD1	10	0.82
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	9	0.82
(1,3002)	1:134:A:LEU:H	1:136:A:LEU:HB3	3	0.82
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	19	0.82
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	7	0.82
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	8	0.82
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	13	0.82
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	15	0.82
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE2	5	0.82
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	15	0.82
(1,2698)	1:108:A:THR:HG21	1:68:A:MET:HE2	6	0.82
(1,2698)	1:108:A:THR:HG21	1:68:A:MET:HE2	17	0.82
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG21	3	0.82
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG22	9	0.82
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	19	0.82
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE1	15	0.82
(1,2176)	1:109:A:LEU:HB2	1:89:A:VAL:HG21	17	0.82
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	10	0.82
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB1	11	0.82
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	18	0.82
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB2	7	0.82
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	13	0.82
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	15	0.82
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	16	0.82
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB3	11	0.82
(1,1581)	1:195:A:SER:HB3	1:171:A:ALA:HB1	18	0.82
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	16	0.82
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	9	0.82
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	8	0.82
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG13	6	0.82
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	3	0.82
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	7	0.82
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	4	0.82
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	4	0.82
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	13	0.82
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	2	0.82
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	3	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	10	0.82
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	3	0.82
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	12	0.82
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	14	0.82
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG11	3	0.82
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	9	0.82
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	16	0.82
(1,1001)	1:126:A:GLN:H	1:127:A:LEU:HB2	5	0.82
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	17	0.82
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG21	11	0.82
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	8	0.82
(1,798)	1:122:A:VAL:HG13	1:88:A:LEU:H	20	0.82
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	2	0.82
(1,796)	1:181:A:VAL:HG12	1:152:A:ALA:H	9	0.82
(1,796)	1:181:A:VAL:HG11	1:152:A:ALA:H	13	0.82
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	1	0.82
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	19	0.82
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	14	0.82
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	16	0.82
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	17	0.82
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	1	0.82
(1,717)	1:92:A:VAL:HG23	1:162:A:TYR:HA	19	0.82
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	4	0.82
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	9	0.82
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG23	13	0.82
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	15	0.82
(1,707)	1:108:A:THR:HG21	1:68:A:MET:H	17	0.82
(1,703)	1:88:A:LEU:HD21	1:160:A:VAL:HA	10	0.82
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	18	0.82
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	1	0.82
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD22	5	0.82
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD13	18	0.82
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	1	0.82
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	16	0.82
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	8	0.82
(1,490)	1:72:A:VAL:HA	1:73:A:SER:HA	5	0.82
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	17	0.82
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	9	0.82
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	12	0.82
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	18	0.82
(1,276)	1:141:A:SER:HA	1:142:A:LEU:HB3	12	0.82
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD13	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:88:A:LEU:HB3	1:181:A:VAL:HG12	8	0.82
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	7	0.82
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE2	12	0.82
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	2	0.82
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	17	0.82
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	10	0.82
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	20	0.82
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	16	0.82
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	14	0.81
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	4	0.81
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	18	0.81
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	19	0.81
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	8	0.81
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	9	0.81
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	19	0.81
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	6	0.81
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	7	0.81
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	20	0.81
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD21	20	0.81
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	12	0.81
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	15	0.81
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	6	0.81
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG23	11	0.81
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	17	0.81
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	13	0.81
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB1	17	0.81
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	10	0.81
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD13	19	0.81
(1,3557)	1:187:A:ILE:HD12	1:78:A:ALA:HA	6	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	5	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	7	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	8	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	10	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG23	15	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	16	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	17	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	18	0.81
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG22	20	0.81
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	1	0.81
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	10	0.81
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG13	17	0.81
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	11	0.81
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	12	0.81
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	13	0.81
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	16	0.81
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	20	0.81
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	3	0.81
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	8	0.81
(1,3263)	1:194:A:VAL:HG21	1:68:A:MET:HE3	14	0.81
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	16	0.81
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	4	0.81
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	5	0.81
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	1	0.81
(1,3007)	1:118:A:LYS:HE2	1:76:A:LEU:HD23	2	0.81
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	7	0.81
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	18	0.81
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	5	0.81
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	8	0.81
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	1	0.81
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB2	3	0.81
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	16	0.81
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD21	8	0.81
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD21	17	0.81
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	17	0.81
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	18	0.81
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	3	0.81
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB1	14	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	2	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB2	3	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB2	4	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	10	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	12	0.81
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB2	19	0.81
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD12	20	0.81
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	8	0.81
(1,1613)	1:137:A:SER:H	1:137:A:SER:HB2	2	0.81
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG13	6	0.81
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	17	0.81
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	18	0.81
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	2	0.81
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB2	2	0.81
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	7	0.81
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	10	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	20	0.81
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	17	0.81
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	6	0.81
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	11	0.81
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	18	0.81
(1,1180)	1:64:A:TRP:H	1:195:A:SER:HB3	4	0.81
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	2	0.81
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	13	0.81
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	12	0.81
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	4	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	2	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	3	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	7	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	8	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	10	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB3	11	0.81
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB3	17	0.81
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG11	5	0.81
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG12	8	0.81
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG11	12	0.81
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	10	0.81
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD13	12	0.81
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	14	0.81
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB3	13	0.81
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB2	18	0.81
(1,842)	1:130:A:ALA:HB2	1:155:A:VAL:HB	19	0.81
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD12	12	0.81
(1,802)	1:127:A:LEU:HG	1:106:A:THR:HG22	6	0.81
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD11	20	0.81
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	13	0.81
(1,796)	1:181:A:VAL:HG13	1:152:A:ALA:H	12	0.81
(1,796)	1:181:A:VAL:HG13	1:152:A:ALA:H	15	0.81
(1,796)	1:181:A:VAL:HG13	1:152:A:ALA:H	19	0.81
(1,773)	1:151:A:ILE:HD13	1:134:A:LEU:HA	16	0.81
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	19	0.81
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	5	0.81
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	8	0.81
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	5	0.81
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	2	0.81
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	5	0.81
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	7	0.81
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG22	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	14	0.81
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	15	0.81
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB2	2	0.81
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB1	17	0.81
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	6	0.81
(1,715)	1:92:A:VAL:HG21	1:109:A:LEU:HA	15	0.81
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG21	19	0.81
(1,707)	1:108:A:THR:HG21	1:68:A:MET:H	3	0.81
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	8	0.81
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	1	0.81
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	12	0.81
(1,703)	1:88:A:LEU:HD21	1:160:A:VAL:HA	19	0.81
(1,698)	1:178:A:LEU:HD12	1:161:A:LEU:HD13	8	0.81
(1,591)	1:37:A:PRO:HG3	1:37:A:PRO:HD2	19	0.81
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	11	0.81
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	12	0.81
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	13	0.81
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	14	0.81
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	13	0.81
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	15	0.81
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	3	0.81
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	8	0.81
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	18	0.81
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	19	0.81
(1,438)	1:178:A:LEU:HD13	1:161:A:LEU:HD21	2	0.81
(1,343)	1:71:A:MET:HG3	1:70:A:PRO:HB3	20	0.81
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	18	0.81
(1,247)	1:131:A:LYS:HE3	1:142:A:LEU:HB3	16	0.81
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE1	5	0.81
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	1	0.81
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG13	12	0.81
(1,77)	1:89:A:VAL:HA	1:160:A:VAL:HG11	18	0.81
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB3	11	0.8
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB3	16	0.8
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	15	0.8
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	6	0.8
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	7	0.8
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	14	0.8
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	2	0.8
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD21	16	0.8
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	1	0.8
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	2	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	3	0.8
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	6	0.8
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	11	0.8
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	20	0.8
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	14	0.8
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	19	0.8
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	1	0.8
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG13	8	0.8
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG11	18	0.8
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	6	0.8
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	13	0.8
(1,3519)	1:149:A:ILE:HG13	1:149:A:ILE:HG21	12	0.8
(1,3450)	1:71:A:MET:HG3	1:71:A:MET:HE2	20	0.8
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	8	0.8
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	13	0.8
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	3	0.8
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	11	0.8
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG12	5	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	3	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	5	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	10	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	14	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	15	0.8
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	19	0.8
(1,3263)	1:194:A:VAL:HG21	1:68:A:MET:HE3	11	0.8
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	2	0.8
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	4	0.8
(1,3260)	1:81:A:VAL:HG11	1:188:A:TRP:H	13	0.8
(1,3243)	1:81:A:VAL:HG13	1:119:A:PHE:HE2	2	0.8
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	19	0.8
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	2	0.8
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	4	0.8
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	16	0.8
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	14	0.8
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	16	0.8
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	18	0.8
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	13	0.8
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	17	0.8
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	11	0.8
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	7	0.8
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	8	0.8
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG22	12	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG23	13	0.8
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG23	17	0.8
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	18	0.8
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD21	20	0.8
(1,2458)	1:179:A:MET:HG3	1:179:A:MET:HE3	12	0.8
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	19	0.8
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB3	7	0.8
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	9	0.8
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	19	0.8
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	11	0.8
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	1	0.8
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	11	0.8
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	16	0.8
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	17	0.8
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	18	0.8
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	4	0.8
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG13	12	0.8
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG13	13	0.8
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	19	0.8
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG12	20	0.8
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	12	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	1	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	5	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	8	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	11	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	13	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	14	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB3	16	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	18	0.8
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	19	0.8
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	10	0.8
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	2	0.8
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	3	0.8
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	6	0.8
(1,1181)	1:92:A:VAL:H	1:68:A:MET:HE1	16	0.8
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	1	0.8
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	6	0.8
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	12	0.8
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	15	0.8
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	16	0.8
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	5	0.8
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	16	0.8
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	19	0.8
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	3	0.8
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	7	0.8
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	11	0.8
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	16	0.8
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD11	17	0.8
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	4	0.8
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	5	0.8
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	6	0.8
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	6	0.8
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	11	0.8
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	12	0.8
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	19	0.8
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	20	0.8
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	9	0.8
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	11	0.8
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	17	0.8
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE3	19	0.8
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	3	0.8
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG22	6	0.8
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	8	0.8
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	16	0.8
(1,752)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	6	0.8
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	20	0.8
(1,717)	1:92:A:VAL:HG22	1:162:A:TYR:HA	10	0.8
(1,717)	1:92:A:VAL:HG21	1:162:A:TYR:HA	12	0.8
(1,717)	1:92:A:VAL:HG23	1:162:A:TYR:HA	15	0.8
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG22	1	0.8
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	13	0.8
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	7	0.8
(1,698)	1:178:A:LEU:HD13	1:161:A:LEU:HD11	2	0.8
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD11	15	0.8
(1,688)	1:181:A:VAL:HG12	1:179:A:MET:HE3	18	0.8
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	11	0.8
(1,555)	1:99:A:SER:HA	1:100:A:LEU:HD12	19	0.8
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	9	0.8
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	17	0.8
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	1	0.8
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	11	0.8
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	19	0.8
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	14	0.8
(1,463)	1:142:A:LEU:HD12	1:151:A:ILE:HA	20	0.8
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	2	0.8
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	3	0.8
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	16	0.8
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	17	0.8
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD21	8	0.8
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	11	0.8
(1,157)	1:70:A:PRO:HD2	1:112:A:ALA:HB3	6	0.8
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	3	0.8
(1,140)	1:121:A:LEU:HA	1:121:A:LEU:HD22	17	0.8
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD12	15	0.8
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	18	0.8
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	1	0.8
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	10	0.8
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	3	0.8
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	7	0.8
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	18	0.79
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	2	0.79
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	12	0.79
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	4	0.79
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	5	0.79
(1,4626)	1:155:A:VAL:H	1:154:A:ASN:HB2	10	0.79
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	4	0.79
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	5	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	4	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	5	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	8	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	9	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	13	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	14	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	15	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	16	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	17	0.79
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	18	0.79
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	13	0.79
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	2	0.79
(1,4065)	1:59:A:ILE:H	1:58:A:HIS:HB2	14	0.79
(1,3918)	1:64:A:TRP:HE1	1:104:A:GLU:HG3	10	0.79
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	4	0.79
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG11	13	0.79
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG13	14	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG13	16	0.79
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	7	0.79
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	18	0.79
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	3	0.79
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	14	0.79
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	1	0.79
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	11	0.79
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	15	0.79
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	14	0.79
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	16	0.79
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	3	0.79
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	14	0.79
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	4	0.79
(1,3372)	1:68:A:MET:HE3	1:64:A:TRP:HB2	5	0.79
(1,3372)	1:68:A:MET:HE3	1:64:A:TRP:HB2	7	0.79
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	2	0.79
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	4	0.79
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG13	6	0.79
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG11	17	0.79
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	7	0.79
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	15	0.79
(1,3260)	1:81:A:VAL:HG11	1:188:A:TRP:H	6	0.79
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	14	0.79
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	15	0.79
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	19	0.79
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	16	0.79
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	1	0.79
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	1	0.79
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	5	0.79
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	13	0.79
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	15	0.79
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	3	0.79
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	5	0.79
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	16	0.79
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	15	0.79
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG21	6	0.79
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG22	10	0.79
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD23	3	0.79
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE1	5	0.79
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	1	0.79
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	2	0.79
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB3	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	13	0.79
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB1	17	0.79
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB1	8	0.79
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB3	14	0.79
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB3	5	0.79
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	1	0.79
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	19	0.79
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	10	0.79
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	8	0.79
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB2	3	0.79
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB2	6	0.79
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB2	9	0.79
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB2	12	0.79
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	15	0.79
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	2	0.79
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	5	0.79
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	11	0.79
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	15	0.79
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	12	0.79
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	17	0.79
(1,1192)	1:171:A:ALA:H	1:100:A:LEU:HD21	16	0.79
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	10	0.79
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	8	0.79
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	10	0.79
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	18	0.79
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	13	0.79
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	9	0.79
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	10	0.79
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	13	0.79
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	14	0.79
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG12	18	0.79
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	3	0.79
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	11	0.79
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	17	0.79
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	13	0.79
(1,907)	1:162:A:TYR:H	1:160:A:VAL:HG22	19	0.79
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB1	8	0.79
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB1	2	0.79
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	2	0.79
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	4	0.79
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	8	0.79
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	8	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	5	0.79
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	1	0.79
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	9	0.79
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG22	11	0.79
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	18	0.79
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	20	0.79
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	14	0.79
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	4	0.79
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	10	0.79
(1,715)	1:92:A:VAL:HG21	1:109:A:LEU:HA	11	0.79
(1,715)	1:92:A:VAL:HG21	1:109:A:LEU:HA	16	0.79
(1,707)	1:108:A:THR:HG21	1:68:A:MET:H	6	0.79
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	3	0.79
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	9	0.79
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD12	2	0.79
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD11	4	0.79
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	8	0.79
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD12	14	0.79
(1,688)	1:181:A:VAL:HG13	1:179:A:MET:HE1	5	0.79
(1,688)	1:181:A:VAL:HG13	1:179:A:MET:HE1	6	0.79
(1,688)	1:181:A:VAL:HG12	1:179:A:MET:HE3	12	0.79
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	19	0.79
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	17	0.79
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	4	0.79
(1,558)	1:162:A:TYR:HA	1:109:A:LEU:HD12	12	0.79
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG11	8	0.79
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	2	0.79
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD21	10	0.79
(1,511)	1:85:A:SER:HB2	1:82:A:THR:HG21	2	0.79
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	3	0.79
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	9	0.79
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	10	0.79
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	12	0.79
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	14	0.79
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	16	0.79
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	6	0.79
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	7	0.79
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	12	0.79
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	15	0.79
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	7	0.79
(1,474)	1:81:A:VAL:HG21	1:118:A:LYS:HE2	13	0.79
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	18	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,463)	1:142:A:LEU:HD13	1:151:A:ILE:HA	18	0.79
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	4	0.79
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	5	0.79
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB1	17	0.79
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	19	0.79
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	8	0.79
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	14	0.79
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	2	0.79
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE2	18	0.79
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD12	20	0.79
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	14	0.79
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB3	20	0.78
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	17	0.78
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	18	0.78
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD22	6	0.78
(1,4585)	1:133:A:GLN:HE21	1:134:A:LEU:HD21	17	0.78
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	2	0.78
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	13	0.78
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	7	0.78
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	10	0.78
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	12	0.78
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG23	16	0.78
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG22	19	0.78
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	11	0.78
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	13	0.78
(1,3845)	1:126:A:GLN:HE22	1:126:A:GLN:HA	17	0.78
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG13	1	0.78
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG13	3	0.78
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG11	6	0.78
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG11	7	0.78
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG12	19	0.78
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	1	0.78
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	6	0.78
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	12	0.78
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	14	0.78
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	9	0.78
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	5	0.78
(1,3381)	1:92:A:VAL:HG12	1:68:A:MET:HE1	9	0.78
(1,3381)	1:92:A:VAL:HG12	1:68:A:MET:HE1	15	0.78
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	17	0.78
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	1	0.78
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	8	0.78
(1,3260)	1:81:A:VAL:HG12	1:188:A:TRP:H	9	0.78
(1,3243)	1:81:A:VAL:HG11	1:119:A:PHE:HE2	8	0.78
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	10	0.78
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	1	0.78
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	2	0.78
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	11	0.78
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	13	0.78
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	20	0.78
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	17	0.78
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	10	0.78
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	19	0.78
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	14	0.78
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	6	0.78
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG22	15	0.78
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG22	20	0.78
(1,2598)	1:94:A:ASN:HB3	1:100:A:LEU:HD22	15	0.78
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	11	0.78
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD22	13	0.78
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	8	0.78
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	4	0.78
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB2	15	0.78
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB3	16	0.78
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB1	20	0.78
(1,1945)	1:172:A:PRO:HD3	1:171:A:ALA:HB2	9	0.78
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	9	0.78
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	15	0.78
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	2	0.78
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	5	0.78
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG22	6	0.78
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	4	0.78
(1,1264)	1:156:A:GLY:H	1:152:A:ALA:HB1	17	0.78
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	3	0.78
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	4	0.78
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	11	0.78
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	17	0.78
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	2	0.78
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	6	0.78
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	14	0.78
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	15	0.78
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	2	0.78
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	12	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	16	0.78
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB1	18	0.78
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	7	0.78
(1,1003)	1:171:A:ALA:H	1:169:A:VAL:HG13	19	0.78
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	9	0.78
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	1	0.78
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	2	0.78
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	10	0.78
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	8	0.78
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB2	6	0.78
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB1	20	0.78
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	1	0.78
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	9	0.78
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	2	0.78
(1,845)	1:191:A:LYS:HG3	1:191:A:LYS:HE3	1	0.78
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD11	12	0.78
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	6	0.78
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD13	17	0.78
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG21	4	0.78
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG22	17	0.78
(1,715)	1:92:A:VAL:HG22	1:109:A:LEU:HA	12	0.78
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG21	4	0.78
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	1	0.78
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	14	0.78
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	15	0.78
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	17	0.78
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	17	0.78
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB2	2	0.78
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB2	18	0.78
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	10	0.78
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB3	17	0.78
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	7	0.78
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	16	0.78
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG22	1	0.78
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	4	0.78
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	4	0.78
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	6	0.78
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	4	0.78
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	9	0.78
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	11	0.78
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	2	0.78
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	5	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	9	0.78
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	12	0.78
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	7	0.78
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	11	0.78
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	3	0.78
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	13	0.78
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	12	0.77
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB3	13	0.77
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	7	0.77
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	15	0.77
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	3	0.77
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	7	0.77
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG21	15	0.77
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	1	0.77
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	17	0.77
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB1	8	0.77
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG12	2	0.77
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG11	10	0.77
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	14	0.77
(1,3557)	1:187:A:ILE:HD12	1:78:A:ALA:HA	10	0.77
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	1	0.77
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	16	0.77
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	20	0.77
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	3	0.77
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE2	5	0.77
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	12	0.77
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	16	0.77
(1,3372)	1:68:A:MET:HE3	1:64:A:TRP:HB2	14	0.77
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	15	0.77
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	19	0.77
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	18	0.77
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG12	20	0.77
(1,3293)	1:156:A:GLY:HA2	1:155:A:VAL:HG12	8	0.77
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB3	14	0.77
(1,3263)	1:194:A:VAL:HG22	1:68:A:MET:HE3	2	0.77
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	3	0.77
(1,3176)	1:121:A:LEU:HD21	1:119:A:PHE:HD2	16	0.77
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	10	0.77
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	19	0.77
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	6	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	3	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	8	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	9	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	10	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	12	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	14	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	15	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	16	0.77
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	18	0.77
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	20	0.77
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	5	0.77
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	11	0.77
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	7	0.77
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	9	0.77
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG21	19	0.77
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	5	0.77
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD21	1	0.77
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB1	6	0.77
(1,1989)	1:156:A:GLY:HA2	1:157:A:ALA:HB3	12	0.77
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	12	0.77
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	19	0.77
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	4	0.77
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	15	0.77
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	4	0.77
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	6	0.77
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	7	0.77
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	15	0.77
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG13	1	0.77
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	1	0.77
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	14	0.77
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	15	0.77
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	16	0.77
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	18	0.77
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	5	0.77
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	5	0.77
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	18	0.77
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	7	0.77
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	3	0.77
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	14	0.77
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	20	0.77
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	4	0.77
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB3	10	0.77
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	8	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	4	0.77
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	12	0.77
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	16	0.77
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	5	0.77
(1,795)	1:176:A:MET:HE1	1:68:A:MET:H	5	0.77
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	13	0.77
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	5	0.77
(1,772)	1:151:A:ILE:HD12	1:90:A:ASP:HA	3	0.77
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD11	15	0.77
(1,748)	1:179:A:MET:HE2	1:145:A:ARG:HD2	11	0.77
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	1	0.77
(1,703)	1:88:A:LEU:HD21	1:160:A:VAL:HA	6	0.77
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG11	3	0.77
(1,688)	1:181:A:VAL:HG11	1:179:A:MET:HE3	9	0.77
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	5	0.77
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE3	19	0.77
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	7	0.77
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	10	0.77
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG23	11	0.77
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG23	13	0.77
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	16	0.77
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	2	0.77
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	7	0.77
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	8	0.77
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	17	0.77
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	18	0.77
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	13	0.77
(1,474)	1:81:A:VAL:HG21	1:118:A:LYS:HE2	10	0.77
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	8	0.77
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG22	5	0.77
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	7	0.77
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	15	0.77
(1,262)	1:191:A:LYS:HE3	1:192:A:GLY:HA2	17	0.77
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	4	0.77
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	14	0.77
(1,182)	1:192:A:GLY:HA2	1:174:A:LEU:HB2	19	0.77
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	6	0.77
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	8	0.77
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	14	0.77
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD22	7	0.77
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	14	0.77
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	1	0.76
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	3	0.76
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	18	0.76
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	5	0.76
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	8	0.76
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	19	0.76
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	12	0.76
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	16	0.76
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	1	0.76
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	3	0.76
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	6	0.76
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	19	0.76
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	16	0.76
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	9	0.76
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	12	0.76
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	14	0.76
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG22	15	0.76
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	12	0.76
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	19	0.76
(1,3814)	1:76:A:LEU:HB3	1:76:A:LEU:HD21	2	0.76
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	5	0.76
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG13	4	0.76
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG13	5	0.76
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG12	9	0.76
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG13	11	0.76
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG12	15	0.76
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	2	0.76
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	7	0.76
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	1	0.76
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	11	0.76
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	9	0.76
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	10	0.76
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	13	0.76
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	18	0.76
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	4	0.76
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	6	0.76
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	17	0.76
(1,3444)	1:174:A:LEU:HB2	1:71:A:MET:HE2	19	0.76
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	16	0.76
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE2	20	0.76
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	6	0.76
(1,3372)	1:68:A:MET:HE3	1:64:A:TRP:HB2	1	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3372)	1:68:A:MET:HE3	1:64:A:TRP:HB2	13	0.76
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	16	0.76
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG13	7	0.76
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG12	8	0.76
(1,3310)	1:100:A:LEU:HD11	1:92:A:VAL:HG11	15	0.76
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	3	0.76
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	3	0.76
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	4	0.76
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	9	0.76
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	17	0.76
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	5	0.76
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	11	0.76
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	1	0.76
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	9	0.76
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	12	0.76
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	20	0.76
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	18	0.76
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	6	0.76
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	19	0.76
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	15	0.76
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	5	0.76
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	8	0.76
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	7	0.76
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	20	0.76
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	8	0.76
(1,1862)	1:121:A:LEU:HA	1:121:A:LEU:HD13	17	0.76
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	15	0.76
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	6	0.76
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	15	0.76
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG23	5	0.76
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	9	0.76
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	11	0.76
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	14	0.76
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	18	0.76
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	8	0.76
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	11	0.76
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG13	10	0.76
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	8	0.76
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	11	0.76
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	3	0.76
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	15	0.76
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	19	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	16	0.76
(1,1176)	1:124:A:ALA:H	1:125:A:GLN:HE21	8	0.76
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	5	0.76
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	8	0.76
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	20	0.76
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	3	0.76
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	11	0.76
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD12	19	0.76
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	9	0.76
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	12	0.76
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	8	0.76
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	9	0.76
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	12	0.76
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	15	0.76
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB3	15	0.76
(1,1001)	1:126:A:GLN:H	1:127:A:LEU:HB2	13	0.76
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	5	0.76
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD13	7	0.76
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	7	0.76
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	9	0.76
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	15	0.76
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	7	0.76
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	17	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	1	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	2	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	7	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	10	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	11	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	12	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	13	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	14	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	15	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	17	0.76
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	19	0.76
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB3	13	0.76
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB2	18	0.76
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	13	0.76
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	14	0.76
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	15	0.76
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	16	0.76
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	1	0.76
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG21	15	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	19	0.76
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	2	0.76
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	15	0.76
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	14	0.76
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	16	0.76
(1,772)	1:151:A:ILE:HD11	1:90:A:ASP:HA	7	0.76
(1,771)	1:151:A:ILE:HD11	1:154:A:ASN:HD22	7	0.76
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	3	0.76
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	4	0.76
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	7	0.76
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB1	17	0.76
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG21	11	0.76
(1,717)	1:92:A:VAL:HG23	1:162:A:TYR:HA	11	0.76
(1,710)	1:85:A:SER:HB3	1:81:A:VAL:HG21	15	0.76
(1,707)	1:108:A:THR:HG21	1:68:A:MET:H	19	0.76
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	4	0.76
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG13	4	0.76
(1,688)	1:181:A:VAL:HG11	1:179:A:MET:HE3	7	0.76
(1,688)	1:181:A:VAL:HG13	1:179:A:MET:HE1	10	0.76
(1,688)	1:181:A:VAL:HG13	1:179:A:MET:HE1	13	0.76
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG12	14	0.76
(1,688)	1:181:A:VAL:HG13	1:179:A:MET:HE1	20	0.76
(1,687)	1:89:A:VAL:HA	1:109:A:LEU:HD21	16	0.76
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	2	0.76
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	8	0.76
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	13	0.76
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD23	6	0.76
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	13	0.76
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG23	14	0.76
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	11	0.76
(1,489)	1:72:A:VAL:HA	1:73:A:SER:HA	5	0.76
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	1	0.76
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	20	0.76
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD13	7	0.76
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	18	0.76
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	8	0.76
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	20	0.76
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD12	17	0.76
(1,343)	1:71:A:MET:HG3	1:70:A:PRO:HB3	9	0.76
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	6	0.76
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	9	0.76
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	11	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	19	0.76
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB3	14	0.76
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD21	1	0.76
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	2	0.76
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	8	0.76
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	12	0.76
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD21	17	0.76
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	4	0.76
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	9	0.76
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	16	0.76
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	16	0.76
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	11	0.76
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	15	0.76
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	9	0.75
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	17	0.75
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	3	0.75
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	8	0.75
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	11	0.75
(1,4707)	1:83:A:ALA:H	1:118:A:LYS:HB3	5	0.75
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	14	0.75
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	20	0.75
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	1	0.75
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	3	0.75
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	7	0.75
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	8	0.75
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	14	0.75
(1,4510)	1:65:A:ASN:HD22	1:108:A:THR:HG23	5	0.75
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	8	0.75
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	20	0.75
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	2	0.75
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	9	0.75
(1,3790)	1:109:A:LEU:HD23	1:92:A:VAL:HG13	12	0.75
(1,3790)	1:109:A:LEU:HD21	1:92:A:VAL:HG11	17	0.75
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	9	0.75
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	13	0.75
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	18	0.75
(1,3712)	1:112:A:ALA:HA	1:115:A:ASN:HB2	14	0.75
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	4	0.75
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	9	0.75
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	19	0.75
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	20	0.75
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD13	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	4	0.75
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD12	11	0.75
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	5	0.75
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	12	0.75
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	1	0.75
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD23	18	0.75
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	12	0.75
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	9	0.75
(1,3310)	1:100:A:LEU:HD13	1:92:A:VAL:HG13	13	0.75
(1,3263)	1:194:A:VAL:HG22	1:68:A:MET:HE3	10	0.75
(1,3260)	1:81:A:VAL:HG11	1:188:A:TRP:H	12	0.75
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	8	0.75
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	6	0.75
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	11	0.75
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	7	0.75
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	3	0.75
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	14	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG21	1	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	2	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	8	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG21	11	0.75
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	15	0.75
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	1	0.75
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	17	0.75
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	4	0.75
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	8	0.75
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	13	0.75
(1,2698)	1:108:A:THR:HG23	1:68:A:MET:HE2	12	0.75
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	4	0.75
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD12	9	0.75
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	17	0.75
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG21	11	0.75
(1,2613)	1:181:A:VAL:HG12	1:160:A:VAL:HG21	18	0.75
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	17	0.75
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	15	0.75
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	16	0.75
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	12	0.75
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	10	0.75
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD11	6	0.75
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	20	0.75
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	14	0.75
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	17	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	8	0.75
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB3	3	0.75
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB3	14	0.75
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB3	20	0.75
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	18	0.75
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	19	0.75
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG12	20	0.75
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	5	0.75
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG12	4	0.75
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG21	8	0.75
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	18	0.75
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	18	0.75
(1,1215)	1:164:A:SER:H	1:92:A:VAL:HB	4	0.75
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD21	5	0.75
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	14	0.75
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	1	0.75
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	4	0.75
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	8	0.75
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	14	0.75
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	19	0.75
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	2	0.75
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	15	0.75
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	1	0.75
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	18	0.75
(1,1040)	1:134:A:LEU:H	1:130:A:ALA:HB2	20	0.75
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	4	0.75
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	6	0.75
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	1	0.75
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	3	0.75
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	14	0.75
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG22	16	0.75
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	4	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	3	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	4	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	5	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	6	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	8	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	9	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	16	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	18	0.75
(1,895)	1:64:A:TRP:HE1	1:64:A:TRP:HB3	20	0.75
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB3	4	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	3	0.75
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	7	0.75
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	12	0.75
(1,867)	1:68:A:MET:HE1	1:92:A:VAL:HB	18	0.75
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	10	0.75
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG21	13	0.75
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	16	0.75
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	20	0.75
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG21	10	0.75
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	2	0.75
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	16	0.75
(1,773)	1:151:A:ILE:HD11	1:134:A:LEU:HA	18	0.75
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	13	0.75
(1,770)	1:151:A:ILE:HD11	1:147:A:LYS:H	19	0.75
(1,765)	1:79:A:ASP:HB3	1:187:A:ILE:HD12	7	0.75
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	16	0.75
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	18	0.75
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB3	14	0.75
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	19	0.75
(1,707)	1:108:A:THR:HG22	1:68:A:MET:H	7	0.75
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	11	0.75
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	5	0.75
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	15	0.75
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD11	11	0.75
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG12	16	0.75
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	7	0.75
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	10	0.75
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	18	0.75
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	12	0.75
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	17	0.75
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG11	4	0.75
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	7	0.75
(1,585)	1:67:A:ALA:HA	1:66:A:GLY:HA3	2	0.75
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	12	0.75
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	9	0.75
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	12	0.75
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	10	0.75
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	6	0.75
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	10	0.75
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	13	0.75
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	5	0.75
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	13	0.75
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	5	0.75
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	20	0.75
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	1	0.75
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	3	0.75
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	19	0.75
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	16	0.75
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	6	0.74
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	14	0.74
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	20	0.74
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	11	0.74
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG22	12	0.74
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	11	0.74
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	13	0.74
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	9	0.74
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	10	0.74
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	12	0.74
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	16	0.74
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	18	0.74
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	4	0.74
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	3	0.74
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	8	0.74
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	11	0.74
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	19	0.74
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	7	0.74
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	11	0.74
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	19	0.74
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	7	0.74
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	11	0.74
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	15	0.74
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	12	0.74
(1,3381)	1:92:A:VAL:HG12	1:68:A:MET:HE1	19	0.74
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	6	0.74
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	8	0.74
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	19	0.74
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	13	0.74
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	19	0.74
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB2	10	0.74
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	3	0.74
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG21	6	0.74
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG21	7	0.74
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	19	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2917)	1:140:A:ASP:HA	1:139:A:GLN:HB2	1	0.74
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD11	6	0.74
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD11	15	0.74
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	8	0.74
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	7	0.74
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	19	0.74
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	8	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	1	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	2	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD12	3	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	10	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	12	0.74
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	16	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	2	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	4	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	5	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	6	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	10	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	11	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	13	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	14	0.74
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	16	0.74
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	13	0.74
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	5	0.74
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD12	17	0.74
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	9	0.74
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	16	0.74
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	15	0.74
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	6	0.74
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	7	0.74
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	12	0.74
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	2	0.74
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	2	0.74
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	5	0.74
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	17	0.74
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD13	1	0.74
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	20	0.74
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD12	6	0.74
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	20	0.74
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	15	0.74
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG23	17	0.74
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	14	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	4	0.74
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	13	0.74
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB3	4	0.74
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB2	6	0.74
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	17	0.74
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	19	0.74
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	14	0.74
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	19	0.74
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG12	9	0.74
(1,968)	1:75:A:MET:H	1:72:A:VAL:HG13	19	0.74
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	8	0.74
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	13	0.74
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	3	0.74
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	6	0.74
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	7	0.74
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	9	0.74
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	12	0.74
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	2	0.74
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	2	0.74
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	5	0.74
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	19	0.74
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG21	9	0.74
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG21	14	0.74
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	18	0.74
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	9	0.74
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD13	2	0.74
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	1	0.74
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	10	0.74
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	19	0.74
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	6	0.74
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	1	0.74
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	13	0.74
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	14	0.74
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	10	0.74
(1,748)	1:179:A:MET:HE1	1:145:A:ARG:HD2	9	0.74
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	9	0.74
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	13	0.74
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	11	0.74
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	17	0.74
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD13	3	0.74
(1,690)	1:149:A:ILE:HA	1:88:A:LEU:HD12	7	0.74
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG12	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,688)	1:181:A:VAL:HG12	1:179:A:MET:HE1	19	0.74
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	9	0.74
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	2	0.74
(1,585)	1:67:A:ALA:HA	1:66:A:GLY:HA3	15	0.74
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD3	11	0.74
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	4	0.74
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	6	0.74
(1,513)	1:138:A:PRO:HA	1:142:A:LEU:HD23	18	0.74
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	7	0.74
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG23	15	0.74
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	2	0.74
(1,485)	1:108:A:THR:HA	1:68:A:MET:HE2	10	0.74
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	4	0.74
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	3	0.74
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	1	0.74
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD22	1	0.74
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	8	0.74
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	20	0.74
(1,262)	1:191:A:LYS:HE3	1:192:A:GLY:HA2	19	0.74
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD12	10	0.74
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB3	2	0.74
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	6	0.74
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	18	0.74
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	4	0.74
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB3	9	0.74
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	3	0.74
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD21	4	0.74
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	8	0.74
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	11	0.74
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	10	0.74
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	2	0.74
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG11	18	0.74
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	8	0.73
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	4	0.73
(1,4604)	1:192:A:GLY:H	1:174:A:LEU:HB2	16	0.73
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	1	0.73
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	10	0.73
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	20	0.73
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	20	0.73
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	2	0.73
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	4	0.73
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	6	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	18	0.73
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	5	0.73
(1,3864)	1:183:A:THR:HG22	1:185:A:GLU:H	6	0.73
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	20	0.73
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	16	0.73
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	18	0.73
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD11	3	0.73
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD12	11	0.73
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	1	0.73
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	9	0.73
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	13	0.73
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	16	0.73
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	4	0.73
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	6	0.73
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	8	0.73
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	19	0.73
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	17	0.73
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	18	0.73
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	3	0.73
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	10	0.73
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	15	0.73
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	7	0.73
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	18	0.73
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	9	0.73
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	10	0.73
(1,3286)	1:67:A:ALA:HB2	1:64:A:TRP:HZ3	2	0.73
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	4	0.73
(1,3286)	1:67:A:ALA:HB2	1:64:A:TRP:HZ3	14	0.73
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	19	0.73
(1,3260)	1:81:A:VAL:HG13	1:188:A:TRP:H	11	0.73
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	3	0.73
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	17	0.73
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	19	0.73
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	7	0.73
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	2	0.73
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	7	0.73
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	18	0.73
(1,2960)	1:150:A:GLY:HA2	1:147:A:LYS:HA	9	0.73
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	12	0.73
(1,2761)	1:164:A:SER:HB3	1:175:A:GLN:HB3	18	0.73
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	18	0.73
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	5	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	11	0.73
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	15	0.73
(1,2613)	1:181:A:VAL:HG13	1:160:A:VAL:HG22	5	0.73
(1,2613)	1:181:A:VAL:HG11	1:160:A:VAL:HG23	16	0.73
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	1	0.73
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	3	0.73
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	8	0.73
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	9	0.73
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	8	0.73
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	13	0.73
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	2	0.73
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	12	0.73
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	17	0.73
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	15	0.73
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD22	17	0.73
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	11	0.73
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	7	0.73
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	17	0.73
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	9	0.73
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	14	0.73
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	5	0.73
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	4	0.73
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	10	0.73
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG11	5	0.73
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD22	12	0.73
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD12	16	0.73
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD13	17	0.73
(1,1130)	1:167:A:GLY:H	1:172:A:PRO:HA	7	0.73
(1,1130)	1:167:A:GLY:H	1:97:A:ASN:HA	9	0.73
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	1	0.73
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	4	0.73
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	7	0.73
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	18	0.73
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	2	0.73
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD13	10	0.73
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	15	0.73
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	20	0.73
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	8	0.73
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	14	0.73
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	18	0.73
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	19	0.73
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	18	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	7	0.73
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	16	0.73
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG23	19	0.73
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	2	0.73
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB2	6	0.73
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB1	8	0.73
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	10	0.73
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	17	0.73
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	5	0.73
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	6	0.73
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	14	0.73
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD11	18	0.73
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	7	0.73
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	11	0.73
(1,753)	1:112:A:ALA:HB3	1:65:A:ASN:HB2	17	0.73
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	5	0.73
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	8	0.73
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB1	11	0.73
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG21	1	0.73
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG21	3	0.73
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG21	19	0.73
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	14	0.73
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG21	15	0.73
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	20	0.73
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	4	0.73
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	2	0.73
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG11	12	0.73
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	4	0.73
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	5	0.73
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	10	0.73
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	16	0.73
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	20	0.73
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	3	0.73
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD22	5	0.73
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	5	0.73
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	10	0.73
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD13	20	0.73
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	4	0.73
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	15	0.73
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	16	0.73
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	7	0.73
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	20	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	6	0.73
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	12	0.73
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	16	0.73
(1,262)	1:191:A:LYS:HE3	1:192:A:GLY:HA2	2	0.73
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	3	0.73
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	10	0.73
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	5	0.73
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	20	0.73
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD22	12	0.73
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	12	0.73
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	18	0.73
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	13	0.73
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	15	0.73
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD21	5	0.73
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	5	0.73
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	5	0.73
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	9	0.73
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	14	0.73
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	15	0.73
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB3	3	0.72
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	18	0.72
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	2	0.72
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	17	0.72
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	19	0.72
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	6	0.72
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	4	0.72
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	11	0.72
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	6	0.72
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	6	0.72
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	15	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	2	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	4	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	7	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	9	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	10	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	13	0.72
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	16	0.72
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB1	6	0.72
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	4	0.72
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	10	0.72
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	15	0.72
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	17	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	20	0.72
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	2	0.72
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	3	0.72
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD22	14	0.72
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD11	7	0.72
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD13	14	0.72
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD11	19	0.72
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	17	0.72
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD12	14	0.72
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	18	0.72
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	20	0.72
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	2	0.72
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	17	0.72
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	20	0.72
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	14	0.72
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	15	0.72
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	7	0.72
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	8	0.72
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	2	0.72
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	11	0.72
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	18	0.72
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	20	0.72
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	20	0.72
(1,3318)	1:92:A:VAL:HG11	1:106:A:THR:HG1	15	0.72
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	20	0.72
(1,3310)	1:100:A:LEU:HD12	1:92:A:VAL:HG13	18	0.72
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	20	0.72
(1,3263)	1:194:A:VAL:HG23	1:68:A:MET:HE3	13	0.72
(1,3242)	1:81:A:VAL:HG11	1:159:A:TYR:HE2	6	0.72
(1,3242)	1:81:A:VAL:HG11	1:159:A:TYR:HE2	13	0.72
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	19	0.72
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	8	0.72
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	20	0.72
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	4	0.72
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG21	12	0.72
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	14	0.72
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	10	0.72
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD23	11	0.72
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	19	0.72
(1,2392)	1:175:A:GLN:HA	1:176:A:MET:HG2	18	0.72
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	2	0.72
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	10	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	20	0.72
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	1	0.72
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD22	20	0.72
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	1	0.72
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	2	0.72
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	12	0.72
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	3	0.72
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	12	0.72
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	14	0.72
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	9	0.72
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	15	0.72
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	17	0.72
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	20	0.72
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	5	0.72
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	9	0.72
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	19	0.72
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	7	0.72
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	6	0.72
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	15	0.72
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD3	18	0.72
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	1	0.72
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	9	0.72
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	8	0.72
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	9	0.72
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	14	0.72
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG21	4	0.72
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	8	0.72
(1,1077)	1:173:A:THR:H	1:165:A:ALA:HB1	18	0.72
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD11	19	0.72
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	5	0.72
(1,951)	1:187:A:ILE:H	1:189:A:SER:H	19	0.72
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	19	0.72
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	7	0.72
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	9	0.72
(1,878)	1:128:A:SER:HB2	1:103:A:ALA:HB1	12	0.72
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB3	10	0.72
(1,867)	1:75:A:MET:HG2	1:81:A:VAL:HB	6	0.72
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	8	0.72
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	11	0.72
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	2	0.72
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	3	0.72
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	18	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	19	0.72
(1,772)	1:151:A:ILE:HD13	1:90:A:ASP:HA	11	0.72
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG23	12	0.72
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	18	0.72
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	6	0.72
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	14	0.72
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG23	2	0.72
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG22	9	0.72
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG22	20	0.72
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	1	0.72
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	4	0.72
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	12	0.72
(1,703)	1:88:A:LEU:HD22	1:160:A:VAL:HA	8	0.72
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	14	0.72
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	1	0.72
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	19	0.72
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	10	0.72
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	6	0.72
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	16	0.72
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	20	0.72
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	11	0.72
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	16	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	1	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	6	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	8	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	9	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	11	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	14	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	15	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	17	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	18	0.72
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	19	0.72
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	16	0.72
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	14	0.72
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	12	0.72
(1,474)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	14	0.72
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	18	0.72
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	13	0.72
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	15	0.72
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	3	0.72
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD21	7	0.72
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD22	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	15	0.72
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD21	20	0.72
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	11	0.72
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD23	18	0.72
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	8	0.72
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	4	0.72
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	6	0.72
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD22	19	0.72
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	5	0.72
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD12	7	0.72
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	5	0.72
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	11	0.72
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	10	0.71
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	4	0.71
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	10	0.71
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	18	0.71
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	17	0.71
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	19	0.71
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	19	0.71
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	1	0.71
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	18	0.71
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	1	0.71
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	8	0.71
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	9	0.71
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	3	0.71
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	5	0.71
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	11	0.71
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	12	0.71
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	14	0.71
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	20	0.71
(1,3912)	1:113:A:LEU:HD22	1:161:A:LEU:HD11	13	0.71
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	3	0.71
(1,3864)	1:183:A:THR:HG22	1:185:A:GLU:H	13	0.71
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	14	0.71
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	16	0.71
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	17	0.71
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB1	18	0.71
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	17	0.71
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD11	1	0.71
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD12	9	0.71
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD12	15	0.71
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD13	20	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	3	0.71
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	8	0.71
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	18	0.71
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	9	0.71
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	12	0.71
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	17	0.71
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	15	0.71
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	2	0.71
(1,3422)	1:176:A:MET:HE3	1:68:A:MET:HG3	11	0.71
(1,3381)	1:92:A:VAL:HG13	1:68:A:MET:HE1	20	0.71
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	8	0.71
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	17	0.71
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	4	0.71
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	12	0.71
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	15	0.71
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	10	0.71
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	17	0.71
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	15	0.71
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	9	0.71
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	17	0.71
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	17	0.71
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	18	0.71
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	6	0.71
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	8	0.71
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG23	13	0.71
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	9	0.71
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	17	0.71
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD12	19	0.71
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	20	0.71
(1,2698)	1:108:A:THR:HG22	1:68:A:MET:HE2	4	0.71
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	4	0.71
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD12	20	0.71
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	12	0.71
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	15	0.71
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	18	0.71
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD21	10	0.71
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	19	0.71
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	4	0.71
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	1	0.71
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	5	0.71
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG22	20	0.71
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	14	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	15	0.71
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	16	0.71
(1,1776)	1:113:A:LEU:HA	1:121:A:LEU:HD13	20	0.71
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	19	0.71
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	4	0.71
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB3	17	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB1	3	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB1	5	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	6	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	7	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	8	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	9	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB1	14	0.71
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	19	0.71
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	5	0.71
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	14	0.71
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	19	0.71
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	11	0.71
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	9	0.71
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	19	0.71
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	3	0.71
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	19	0.71
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	3	0.71
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	13	0.71
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	18	0.71
(1,1199)	1:170:A:ASN:H	1:97:A:ASN:HD22	18	0.71
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	13	0.71
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	12	0.71
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	13	0.71
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	17	0.71
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	20	0.71
(1,1001)	1:126:A:GLN:H	1:127:A:LEU:HB2	10	0.71
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	19	0.71
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	5	0.71
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	2	0.71
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	2	0.71
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	14	0.71
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD11	20	0.71
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	10	0.71
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD22	13	0.71
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	18	0.71
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	8	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	4	0.71
(1,802)	1:127:A:LEU:HG	1:106:A:THR:HG21	17	0.71
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	18	0.71
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD11	8	0.71
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	15	0.71
(1,787)	1:134:A:LEU:HD11	1:150:A:GLY:H	17	0.71
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	9	0.71
(1,757)	1:155:A:VAL:HA	1:151:A:ILE:HG22	19	0.71
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	1	0.71
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	20	0.71
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG21	7	0.71
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG23	8	0.71
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	5	0.71
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	10	0.71
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	16	0.71
(1,703)	1:88:A:LEU:HD23	1:160:A:VAL:HA	2	0.71
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	4	0.71
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	17	0.71
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD11	18	0.71
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	19	0.71
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	12	0.71
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	20	0.71
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG12	1	0.71
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	5	0.71
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	8	0.71
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	5	0.71
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	13	0.71
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	1	0.71
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	9	0.71
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	14	0.71
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	18	0.71
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG12	14	0.71
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	3	0.71
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	7	0.71
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	12	0.71
(1,604)	1:150:A:GLY:HA2	1:151:A:ILE:HA	13	0.71
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	13	0.71
(1,528)	1:146:A:SER:HB2	1:145:A:ARG:H	8	0.71
(1,517)	1:195:A:SER:HB3	1:197:A:GLN:HE22	14	0.71
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	3	0.71
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	15	0.71
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB3	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	1	0.71
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	20	0.71
(1,469)	1:86:A:VAL:HG23	1:88:A:LEU:HA	12	0.71
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	14	0.71
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	13	0.71
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	14	0.71
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	15	0.71
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	18	0.71
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	5	0.71
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	13	0.71
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	16	0.71
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	1	0.71
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB3	3	0.71
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	14	0.71
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	19	0.71
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	12	0.71
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	2	0.71
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	4	0.71
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	6	0.71
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	17	0.71
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE3	9	0.71
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	14	0.71
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD12	7	0.71
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	6	0.71
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	12	0.71
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	13	0.71
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	10	0.7
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	12	0.7
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	17	0.7
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	7	0.7
(1,4862)	1:101:A:ASN:H	1:169:A:VAL:HG21	19	0.7
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	10	0.7
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	1	0.7
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	5	0.7
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	6	0.7
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	1	0.7
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	9	0.7
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	15	0.7
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	15	0.7
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	8	0.7
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	15	0.7
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	18	0.7
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	19	0.7
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	8	0.7
(1,3864)	1:183:A:THR:HG22	1:185:A:GLU:H	11	0.7
(1,3809)	1:87:A:LEU:HD21	1:119:A:PHE:HD1	12	0.7
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	5	0.7
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD2	20	0.7
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	1	0.7
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD13	6	0.7
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD12	8	0.7
(1,3572)	1:151:A:ILE:HD12	1:131:A:LYS:HG2	8	0.7
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	5	0.7
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	12	0.7
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	19	0.7
(1,3532)	1:105:A:ALA:HB2	1:61:A:HIS:HD2	5	0.7
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	8	0.7
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	18	0.7
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	15	0.7
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	19	0.7
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	1	0.7
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	20	0.7
(1,3381)	1:92:A:VAL:HG11	1:68:A:MET:HE1	18	0.7
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	6	0.7
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	12	0.7
(1,3318)	1:92:A:VAL:HG11	1:106:A:THR:HG1	9	0.7
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	17	0.7
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	18	0.7
(1,3318)	1:92:A:VAL:HG11	1:106:A:THR:HG1	19	0.7
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	1	0.7
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	3	0.7
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	13	0.7
(1,3242)	1:81:A:VAL:HG11	1:159:A:TYR:HE2	7	0.7
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	18	0.7
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	4	0.7
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	11	0.7
(1,3161)	1:109:A:LEU:HD21	1:161:A:LEU:HB2	9	0.7
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	3	0.7
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	17	0.7
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	12	0.7
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	15	0.7
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	14	0.7
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	10	0.7
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	5	0.7
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD12	11	0.7
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	5	0.7
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB2	17	0.7
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	6	0.7
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	12	0.7
(1,2637)	1:142:A:LEU:H	1:142:A:LEU:HD13	12	0.7
(1,2637)	1:142:A:LEU:H	1:142:A:LEU:HD11	15	0.7
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	3	0.7
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	20	0.7
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	7	0.7
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	7	0.7
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	9	0.7
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	14	0.7
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	20	0.7
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	19	0.7
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	5	0.7
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	3	0.7
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	16	0.7
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	1	0.7
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD22	8	0.7
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	4	0.7
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	4	0.7
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB3	6	0.7
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	19	0.7
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	18	0.7
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB1	20	0.7
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	6	0.7
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	8	0.7
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	10	0.7
(1,1453)	1:82:A:THR:HB	1:81:A:VAL:HG11	5	0.7
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	14	0.7
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	17	0.7
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	12	0.7
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	19	0.7
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	1	0.7
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	10	0.7
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	18	0.7
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	11	0.7
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG21	7	0.7
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD12	19	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	11	0.7
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD22	13	0.7
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	17	0.7
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	6	0.7
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD3	15	0.7
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	16	0.7
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	5	0.7
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	14	0.7
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	3	0.7
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	6	0.7
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	19	0.7
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	8	0.7
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	16	0.7
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	4	0.7
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	12	0.7
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	5	0.7
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD23	10	0.7
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD22	5	0.7
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD22	19	0.7
(1,867)	1:68:A:MET:HE1	1:92:A:VAL:HB	20	0.7
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG23	3	0.7
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	15	0.7
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	3	0.7
(1,795)	1:176:A:MET:HE3	1:68:A:MET:H	3	0.7
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	4	0.7
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	4	0.7
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	14	0.7
(1,770)	1:151:A:ILE:HD11	1:154:A:ASN:HD21	20	0.7
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	16	0.7
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	3	0.7
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB1	13	0.7
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG23	17	0.7
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB3	2	0.7
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	13	0.7
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	1	0.7
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	6	0.7
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	7	0.7
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	16	0.7
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	12	0.7
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG21	16	0.7
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	8	0.7
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	7	0.7
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	19	0.7
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	6	0.7
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	10	0.7
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	20	0.7
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	10	0.7
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	11	0.7
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	12	0.7
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	14	0.7
(1,469)	1:86:A:VAL:HG23	1:88:A:LEU:HA	6	0.7
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	1	0.7
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD12	15	0.7
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	8	0.7
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	2	0.7
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	5	0.7
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	8	0.7
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	9	0.7
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	12	0.7
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD22	2	0.7
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD22	16	0.7
(1,240)	1:134:A:LEU:HB2	1:134:A:LEU:HD23	11	0.7
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	20	0.7
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	3	0.7
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	7	0.7
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	10	0.7
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	13	0.7
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	15	0.7
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	11	0.7
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG22	7	0.7
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	13	0.7
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	19	0.7
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	1	0.7
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	10	0.7
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	5	0.69
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	9	0.69
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	8	0.69
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	16	0.69
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	17	0.69
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	15	0.69
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	1	0.69
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	2	0.69
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	10	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	13	0.69
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB2	14	0.69
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	17	0.69
(1,4032)	1:145:A:ARG:H	1:145:A:ARG:HB3	1	0.69
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	6	0.69
(1,3805)	1:142:A:LEU:HD23	1:162:A:TYR:HE1	15	0.69
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB2	9	0.69
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB2	15	0.69
(1,3790)	1:109:A:LEU:HD22	1:92:A:VAL:HG13	20	0.69
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	7	0.69
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	11	0.69
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	14	0.69
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD23	15	0.69
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG22	5	0.69
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD12	2	0.69
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD13	5	0.69
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD11	10	0.69
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD13	13	0.69
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD11	16	0.69
(1,3572)	1:151:A:ILE:HD13	1:131:A:LYS:HG2	12	0.69
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	6	0.69
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	11	0.69
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD13	15	0.69
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	20	0.69
(1,3557)	1:187:A:ILE:HD12	1:78:A:ALA:HA	14	0.69
(1,3503)	1:151:A:ILE:HG21	1:155:A:VAL:H	2	0.69
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	8	0.69
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	20	0.69
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	7	0.69
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	18	0.69
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	9	0.69
(1,3417)	1:187:A:ILE:HG22	1:185:A:GLU:HA	10	0.69
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	13	0.69
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	14	0.69
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	1	0.69
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	16	0.69
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	18	0.69
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	6	0.69
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	10	0.69
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	5	0.69
(1,3286)	1:67:A:ALA:HB2	1:64:A:TRP:HZ3	11	0.69
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB3	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	3	0.69
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	7	0.69
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	16	0.69
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	2	0.69
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	18	0.69
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	16	0.69
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	19	0.69
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	12	0.69
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE1	7	0.69
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE3	8	0.69
(1,2653)	1:76:A:LEU:H	1:76:A:LEU:HD13	2	0.69
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	17	0.69
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	13	0.69
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	1	0.69
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	3	0.69
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	5	0.69
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	17	0.69
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	20	0.69
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	3	0.69
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	7	0.69
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG23	19	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	2	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	4	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	6	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	10	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	16	0.69
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	19	0.69
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD12	3	0.69
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	6	0.69
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD12	9	0.69
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	17	0.69
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	5	0.69
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	11	0.69
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	4	0.69
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB3	2	0.69
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	2	0.69
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	3	0.69
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	13	0.69
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	17	0.69
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	14	0.69
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	2	0.69
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	8	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	16	0.69
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	17	0.69
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	18	0.69
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG12	15	0.69
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD22	16	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD21	8	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	9	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD21	12	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD21	17	0.69
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD21	20	0.69
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	7	0.69
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	2	0.69
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD12	4	0.69
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD12	7	0.69
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	9	0.69
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	6	0.69
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	19	0.69
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	16	0.69
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	4	0.69
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	11	0.69
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD13	13	0.69
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD11	17	0.69
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	13	0.69
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	20	0.69
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	15	0.69
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG21	5	0.69
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG22	9	0.69
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	9	0.69
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	12	0.69
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	1	0.69
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	6	0.69
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	12	0.69
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD22	16	0.69
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	17	0.69
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	20	0.69
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	14	0.69
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	19	0.69
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	2	0.69
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD12	10	0.69
(1,891)	1:191:A:LYS:HE2	1:175:A:GLN:HG2	7	0.69
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB3	4	0.69
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,858)	1:153:A:ARG:H	1:149:A:ILE:HG22	17	0.69
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD12	4	0.69
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD12	15	0.69
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD11	17	0.69
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	16	0.69
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	12	0.69
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	10	0.69
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG21	6	0.69
(1,730)	1:157:A:ALA:HB3	1:160:A:VAL:HG23	14	0.69
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB3	11	0.69
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	15	0.69
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	2	0.69
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD11	3	0.69
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	12	0.69
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	15	0.69
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG12	2	0.69
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	4	0.69
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	13	0.69
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	1	0.69
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	12	0.69
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	19	0.69
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	12	0.69
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	11	0.69
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	17	0.69
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG12	18	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	2	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	3	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	5	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	9	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	10	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	11	0.69
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	19	0.69
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	10	0.69
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	16	0.69
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	6	0.69
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	13	0.69
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	3	0.69
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	18	0.69
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	14	0.69
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	16	0.69
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	6	0.69
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	11	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	10	0.69
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	11	0.69
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	18	0.69
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	10	0.69
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	10	0.69
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB3	12	0.69
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	11	0.69
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	16	0.69
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	19	0.69
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	5	0.69
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	13	0.69
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	14	0.69
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	6	0.69
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	16	0.69
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	17	0.69
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	10	0.69
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	14	0.69
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	12	0.68
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	14	0.68
(1,5018)	1:196:A:GLN:HE21	1:60:A:ARG:HB2	7	0.68
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	9	0.68
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD12	18	0.68
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB3	16	0.68
(1,4572)	1:93:A:ASN:HD22	1:95:A:ARG:HG3	4	0.68
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	12	0.68
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	10	0.68
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	19	0.68
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	4	0.68
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	14	0.68
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG23	11	0.68
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	10	0.68
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB1	12	0.68
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB3	14	0.68
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	13	0.68
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	2	0.68
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	3	0.68
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	4	0.68
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	7	0.68
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG22	13	0.68
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD13	12	0.68
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD11	20	0.68
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	9	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD13	10	0.68
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	13	0.68
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	1	0.68
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	9	0.68
(1,3518)	1:75:A:MET:HE3	1:87:A:LEU:HD12	20	0.68
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	6	0.68
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	9	0.68
(1,3503)	1:151:A:ILE:HG21	1:155:A:VAL:H	14	0.68
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	2	0.68
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	6	0.68
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	9	0.68
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	12	0.68
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	19	0.68
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	3	0.68
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	8	0.68
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	11	0.68
(1,3417)	1:187:A:ILE:HG22	1:185:A:GLU:HA	16	0.68
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	19	0.68
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	3	0.68
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	15	0.68
(1,3372)	1:68:A:MET:HE2	1:64:A:TRP:HB2	17	0.68
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	3	0.68
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	4	0.68
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	12	0.68
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	13	0.68
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	14	0.68
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	16	0.68
(1,3286)	1:67:A:ALA:HB2	1:64:A:TRP:HZ3	6	0.68
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	15	0.68
(1,3286)	1:67:A:ALA:HB1	1:64:A:TRP:HZ3	16	0.68
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	18	0.68
(1,3242)	1:81:A:VAL:HG12	1:159:A:TYR:HE2	1	0.68
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	20	0.68
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	8	0.68
(1,3176)	1:121:A:LEU:HD21	1:119:A:PHE:HD2	13	0.68
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	8	0.68
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	12	0.68
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	6	0.68
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	4	0.68
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	9	0.68
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	16	0.68
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	3	0.68
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD12	7	0.68
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	10	0.68
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	16	0.68
(1,2849)	1:68:A:MET:HA	1:71:A:MET:HE2	20	0.68
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	9	0.68
(1,2637)	1:142:A:LEU:H	1:142:A:LEU:HD11	18	0.68
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	4	0.68
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	6	0.68
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	11	0.68
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	19	0.68
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	1	0.68
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	15	0.68
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	6	0.68
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	3	0.68
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	2	0.68
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	3	0.68
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD22	12	0.68
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	14	0.68
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	13	0.68
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	8	0.68
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB2	17	0.68
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	17	0.68
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	9	0.68
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	13	0.68
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	16	0.68
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	11	0.68
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	20	0.68
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	11	0.68
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	17	0.68
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	3	0.68
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG23	3	0.68
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG13	16	0.68
(1,1267)	1:117:A:GLY:H	1:76:A:LEU:HD11	10	0.68
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	14	0.68
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD22	2	0.68
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	10	0.68
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	17	0.68
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	4	0.68
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	18	0.68
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	15	0.68
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD13	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	14	0.68
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	16	0.68
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG13	7	0.68
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	17	0.68
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	2	0.68
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	17	0.68
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	18	0.68
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	11	0.68
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	9	0.68
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	13	0.68
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	18	0.68
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	20	0.68
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	3	0.68
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG23	6	0.68
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD22	14	0.68
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	11	0.68
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	6	0.68
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	7	0.68
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	14	0.68
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	11	0.68
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB3	2	0.68
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB2	12	0.68
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	5	0.68
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	7	0.68
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG22	5	0.68
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG22	10	0.68
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG23	13	0.68
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG22	15	0.68
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	7	0.68
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	9	0.68
(1,708)	1:108:A:THR:HG23	1:111:A:ASN:H	6	0.68
(1,707)	1:108:A:THR:HG23	1:68:A:MET:H	14	0.68
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	15	0.68
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG23	3	0.68
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG21	9	0.68
(1,675)	1:110:A:ARG:HB3	1:121:A:LEU:HB3	20	0.68
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	4	0.68
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	3	0.68
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	10	0.68
(1,630)	1:131:A:LYS:HE3	1:127:A:LEU:HA	8	0.68
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	11	0.68
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	7	0.68
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	8	0.68
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	12	0.68
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	14	0.68
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	16	0.68
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	18	0.68
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	2	0.68
(1,528)	1:146:A:SER:HB2	1:145:A:ARG:H	11	0.68
(1,528)	1:146:A:SER:HB2	1:145:A:ARG:H	12	0.68
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	10	0.68
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG22	18	0.68
(1,502)	1:189:A:SER:HB3	1:178:A:LEU:HA	5	0.68
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	4	0.68
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	6	0.68
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	17	0.68
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	19	0.68
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	5	0.68
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	17	0.68
(1,463)	1:142:A:LEU:HD12	1:151:A:ILE:HA	12	0.68
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	15	0.68
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	1	0.68
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	12	0.68
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	5	0.68
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	19	0.68
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	1	0.68
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	9	0.68
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	10	0.68
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	3	0.68
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	8	0.68
(1,251)	1:131:A:LYS:HE2	1:142:A:LEU:HA	16	0.68
(1,236)	1:137:A:SER:HB3	1:136:A:LEU:HB2	2	0.68
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB3	2	0.68
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	7	0.68
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	17	0.68
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	14	0.68
(1,180)	1:184:A:GLY:HA3	1:179:A:MET:HE1	10	0.68
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	19	0.68
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD22	10	0.68
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD22	13	0.68
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	3	0.68
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	6	0.68
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	11	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	2	0.68
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	12	0.68
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	18	0.68
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	19	0.67
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	4	0.67
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD12	7	0.67
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD12	19	0.67
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB1	2	0.67
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	5	0.67
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	9	0.67
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	20	0.67
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	13	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	3	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	4	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	7	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	11	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG23	12	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG22	16	0.67
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	19	0.67
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	3	0.67
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB2	20	0.67
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	8	0.67
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	17	0.67
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD13	5	0.67
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD11	19	0.67
(1,3878)	1:72:A:VAL:HG12	1:87:A:LEU:HD13	19	0.67
(1,3864)	1:183:A:THR:HG22	1:185:A:GLU:H	1	0.67
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	12	0.67
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	7	0.67
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	8	0.67
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	6	0.67
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	19	0.67
(1,3575)	1:179:A:MET:HE3	1:149:A:ILE:HD11	4	0.67
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD12	18	0.67
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD11	7	0.67
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD13	14	0.67
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	16	0.67
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	16	0.67
(1,3532)	1:105:A:ALA:HB2	1:61:A:HIS:HD2	20	0.67
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	10	0.67
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	11	0.67
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3503)	1:151:A:ILE:HG21	1:155:A:VAL:H	16	0.67
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	5	0.67
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	10	0.67
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	6	0.67
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	20	0.67
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	3	0.67
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	8	0.67
(1,3431)	1:102:A:ALA:HB3	1:105:A:ALA:H	16	0.67
(1,3417)	1:187:A:ILE:HG22	1:185:A:GLU:HA	2	0.67
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	4	0.67
(1,3417)	1:187:A:ILE:HG22	1:185:A:GLU:HA	6	0.67
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	7	0.67
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	20	0.67
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	5	0.67
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	10	0.67
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	20	0.67
(1,3242)	1:81:A:VAL:HG11	1:159:A:TYR:HE2	12	0.67
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	10	0.67
(1,3213)	1:88:A:LEU:HD13	1:90:A:ASP:HB3	13	0.67
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	15	0.67
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	1	0.67
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	12	0.67
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	14	0.67
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	15	0.67
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	3	0.67
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	7	0.67
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	8	0.67
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	14	0.67
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD12	4	0.67
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	13	0.67
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	15	0.67
(1,2660)	1:174:A:LEU:HD11	1:68:A:MET:HE1	13	0.67
(1,2650)	1:76:A:LEU:HD21	1:83:A:ALA:H	15	0.67
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	16	0.67
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD22	2	0.67
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	9	0.67
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	2	0.67
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	9	0.67
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	10	0.67
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	13	0.67
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	10	0.67
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	13	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	4	0.67
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	17	0.67
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	15	0.67
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	20	0.67
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	11	0.67
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	13	0.67
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	18	0.67
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	10	0.67
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	18	0.67
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	19	0.67
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG23	9	0.67
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	19	0.67
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	18	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	1	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	3	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	4	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	7	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	9	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	14	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	19	0.67
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	20	0.67
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB3	1	0.67
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	2	0.67
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB3	18	0.67
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	1	0.67
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	11	0.67
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	15	0.67
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	1	0.67
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	3	0.67
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	7	0.67
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG12	15	0.67
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	1	0.67
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG21	1	0.67
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	4	0.67
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	16	0.67
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	12	0.67
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	9	0.67
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	1	0.67
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	3	0.67
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	6	0.67
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	7	0.67
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	11	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	10	0.67
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	11	0.67
(1,1281)	1:126:A:GLN:H	1:155:A:VAL:HG23	13	0.67
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	1	0.67
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD22	9	0.67
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD22	10	0.67
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD23	15	0.67
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	16	0.67
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	3	0.67
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	19	0.67
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	11	0.67
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD13	19	0.67
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG13	10	0.67
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG11	11	0.67
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG21	15	0.67
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	4	0.67
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	10	0.67
(1,1082)	1:106:A:THR:H	1:104:A:GLU:HG3	11	0.67
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	1	0.67
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	16	0.67
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	2	0.67
(1,1033)	1:185:A:GLU:H	1:180:A:LEU:HA	2	0.67
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	7	0.67
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	16	0.67
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	20	0.67
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	15	0.67
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG21	20	0.67
(1,907)	1:162:A:TYR:H	1:160:A:VAL:HG22	6	0.67
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	13	0.67
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	11	0.67
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	1	0.67
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	5	0.67
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	11	0.67
(1,877)	1:128:A:SER:HB2	1:103:A:ALA:HB1	12	0.67
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	3	0.67
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	10	0.67
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	20	0.67
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	13	0.67
(1,771)	1:151:A:ILE:HD13	1:154:A:ASN:HD22	2	0.67
(1,771)	1:151:A:ILE:HD12	1:154:A:ASN:HD22	12	0.67
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	8	0.67
(1,770)	1:151:A:ILE:HD11	1:154:A:ASN:HD21	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	17	0.67
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	3	0.67
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	12	0.67
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	15	0.67
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG21	4	0.67
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	3	0.67
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	12	0.67
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB2	17	0.67
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	2	0.67
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD13	8	0.67
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	9	0.67
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	7	0.67
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	2	0.67
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	6	0.67
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	19	0.67
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	17	0.67
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	2	0.67
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	17	0.67
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG2	2	0.67
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	14	0.67
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	1	0.67
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	15	0.67
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	17	0.67
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	15	0.67
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	1	0.67
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	5	0.67
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	7	0.67
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	15	0.67
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	16	0.67
(1,469)	1:86:A:VAL:HG23	1:88:A:LEU:HA	1	0.67
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD21	20	0.67
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	11	0.67
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	3	0.67
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	5	0.67
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	4	0.67
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	7	0.67
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	18	0.67
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	6	0.67
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	11	0.67
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	14	0.67
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	16	0.67
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	17	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	12	0.67
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	18	0.67
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	2	0.67
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	1	0.67
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	6	0.67
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	14	0.67
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	18	0.67
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	6	0.67
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB1	11	0.67
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	8	0.67
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB1	16	0.67
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD22	12	0.67
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	17	0.67
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	9	0.67
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD21	9	0.67
(1,75)	1:89:A:VAL:HA	1:161:A:LEU:HD23	16	0.67
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	19	0.67
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	7	0.67
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	9	0.67
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	3	0.67
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	7	0.67
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	18	0.67
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	13	0.67
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	16	0.67
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	19	0.67
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	11	0.67
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	19	0.66
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	13	0.66
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	3	0.66
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	16	0.66
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	20	0.66
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	11	0.66
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	14	0.66
(1,4567)	1:93:A:ASN:H	1:93:A:ASN:HD22	9	0.66
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	5	0.66
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	8	0.66
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	1	0.66
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG21	2	0.66
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	8	0.66
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	16	0.66
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	18	0.66
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	19	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	9	0.66
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	14	0.66
(1,3860)	1:176:A:MET:HE3	1:75:A:MET:HE1	20	0.66
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB1	7	0.66
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	1	0.66
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	3	0.66
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	9	0.66
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	10	0.66
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD1	18	0.66
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	14	0.66
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	15	0.66
(1,3532)	1:105:A:ALA:HB2	1:61:A:HIS:HD2	3	0.66
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	6	0.66
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	19	0.66
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	16	0.66
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	19	0.66
(1,3459)	1:179:A:MET:HE1	1:179:A:MET:HA	15	0.66
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	17	0.66
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	4	0.66
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	7	0.66
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	10	0.66
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	11	0.66
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	13	0.66
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	12	0.66
(1,3417)	1:187:A:ILE:HG23	1:185:A:GLU:HA	5	0.66
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	4	0.66
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	5	0.66
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	14	0.66
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	19	0.66
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	5	0.66
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	1	0.66
(1,3318)	1:92:A:VAL:HG11	1:106:A:THR:HG1	2	0.66
(1,3318)	1:92:A:VAL:HG13	1:106:A:THR:HG1	7	0.66
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	9	0.66
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	12	0.66
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	13	0.66
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	17	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	1	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	5	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB3	6	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	10	0.66
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	13	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	18	0.66
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	11	0.66
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	14	0.66
(1,3242)	1:81:A:VAL:HG13	1:159:A:TYR:HE2	15	0.66
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	17	0.66
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD23	19	0.66
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	6	0.66
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	9	0.66
(1,3161)	1:109:A:LEU:HD22	1:161:A:LEU:HB2	15	0.66
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	18	0.66
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	18	0.66
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	1	0.66
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	2	0.66
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	6	0.66
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	17	0.66
(1,2972)	1:156:A:GLY:HA2	1:86:A:VAL:HG22	17	0.66
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	2	0.66
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD11	14	0.66
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD12	18	0.66
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD11	20	0.66
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG11	2	0.66
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	9	0.66
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	18	0.66
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	13	0.66
(1,2637)	1:142:A:LEU:H	1:142:A:LEU:HD13	20	0.66
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	7	0.66
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD12	20	0.66
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	8	0.66
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	14	0.66
(1,2577)	1:187:A:ILE:HA	1:187:A:ILE:HG12	16	0.66
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD13	15	0.66
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	11	0.66
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	6	0.66
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	17	0.66
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	1	0.66
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	11	0.66
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	12	0.66
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	15	0.66
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG22	6	0.66
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG23	10	0.66
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	12	0.66
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	18	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	2	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	5	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	6	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	8	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	10	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	11	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	12	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	13	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	15	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	16	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	17	0.66
(1,1713)	1:133:A:GLN:HA	1:133:A:GLN:HB2	18	0.66
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	6	0.66
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	16	0.66
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	16	0.66
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	12	0.66
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	12	0.66
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	15	0.66
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	10	0.66
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	14	0.66
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB2	18	0.66
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	20	0.66
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	13	0.66
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	3	0.66
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	6	0.66
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	9	0.66
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	15	0.66
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	2	0.66
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	13	0.66
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	10	0.66
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	16	0.66
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	20	0.66
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	14	0.66
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	12	0.66
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	4	0.66
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	12	0.66
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	16	0.66
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	5	0.66
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	10	0.66
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	16	0.66
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD12	17	0.66
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	3	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	18	0.66
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD12	12	0.66
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	4	0.66
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	11	0.66
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	12	0.66
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	6	0.66
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	15	0.66
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	7	0.66
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD21	3	0.66
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	7	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD12	3	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	8	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	13	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	17	0.66
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	19	0.66
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	10	0.66
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	1	0.66
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB3	5	0.66
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	5	0.66
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	17	0.66
(1,772)	1:151:A:ILE:HD13	1:90:A:ASP:HA	6	0.66
(1,772)	1:151:A:ILE:HD12	1:90:A:ASP:HA	10	0.66
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	5	0.66
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	6	0.66
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	7	0.66
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	19	0.66
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	4	0.66
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	20	0.66
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB1	15	0.66
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	8	0.66
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	18	0.66
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	20	0.66
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG11	14	0.66
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	19	0.66
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB3	6	0.66
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	18	0.66
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	17	0.66
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD11	10	0.66
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	13	0.66
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	6	0.66
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	6	0.66
(1,678)	1:121:A:LEU:HG	1:120:A:THR:HG22	11	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	1	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	9	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	14	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	16	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	18	0.66
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	20	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	3	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	5	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	8	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	9	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	14	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	16	0.66
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	19	0.66
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	12	0.66
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	4	0.66
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	3	0.66
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	4	0.66
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	5	0.66
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	20	0.66
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	3	0.66
(1,502)	1:189:A:SER:HB3	1:178:A:LEU:HA	11	0.66
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	13	0.66
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	1	0.66
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	20	0.66
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	8	0.66
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	10	0.66
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	18	0.66
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB3	20	0.66
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	9	0.66
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD23	13	0.66
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	20	0.66
(1,444)	1:74:A:LYS:HG2	1:73:A:SER:HB3	19	0.66
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	7	0.66
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD12	9	0.66
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	13	0.66
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	9	0.66
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	3	0.66
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	9	0.66
(1,401)	1:191:A:LYS:HD3	1:191:A:LYS:H	4	0.66
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	19	0.66
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	19	0.66
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	20	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	10	0.66
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD21	6	0.66
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	17	0.66
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	12	0.66
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	20	0.66
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	8	0.66
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB3	6	0.66
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	13	0.66
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE3	14	0.66
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	10	0.66
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD12	6	0.66
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD12	13	0.66
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	4	0.66
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	20	0.66
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	9	0.66
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	12	0.65
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	15	0.65
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	2	0.65
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	16	0.65
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	15	0.65
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB2	6	0.65
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	13	0.65
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	12	0.65
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	1	0.65
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	6	0.65
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	12	0.65
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	3	0.65
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	16	0.65
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG21	9	0.65
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	15	0.65
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG21	18	0.65
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	5	0.65
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB2	16	0.65
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	15	0.65
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	7	0.65
(1,3912)	1:113:A:LEU:HD23	1:161:A:LEU:HD11	10	0.65
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	16	0.65
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB2	19	0.65
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	2	0.65
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	6	0.65
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	16	0.65
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	20	0.65
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	8	0.65
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	11	0.65
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	17	0.65
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	20	0.65
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD12	17	0.65
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD11	7	0.65
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD11	15	0.65
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	13	0.65
(1,3532)	1:105:A:ALA:HB2	1:61:A:HIS:HD2	14	0.65
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	3	0.65
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	5	0.65
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	13	0.65
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	17	0.65
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	20	0.65
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	12	0.65
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	2	0.65
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	6	0.65
(1,3431)	1:102:A:ALA:HB3	1:105:A:ALA:H	5	0.65
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	13	0.65
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	14	0.65
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	5	0.65
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	18	0.65
(1,3406)	1:148:A:ALA:HB2	1:162:A:TYR:HD2	20	0.65
(1,3373)	1:106:A:THR:HA	1:68:A:MET:HE2	13	0.65
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	6	0.65
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	7	0.65
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	19	0.65
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	11	0.65
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	8	0.65
(1,3285)	1:67:A:ALA:HB3	1:64:A:TRP:H	2	0.65
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB3	11	0.65
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	12	0.65
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	17	0.65
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	1	0.65
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	8	0.65
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	1	0.65
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	4	0.65
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	7	0.65
(1,3148)	1:174:A:LEU:HD21	1:174:A:LEU:H	8	0.65
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	9	0.65
(1,3148)	1:174:A:LEU:HD21	1:174:A:LEU:H	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB2	19	0.65
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	10	0.65
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	13	0.65
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	4	0.65
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	10	0.65
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	1	0.65
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	12	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG11	1	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	3	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	4	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG13	6	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG13	7	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG13	8	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG13	10	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG11	12	0.65
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	17	0.65
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	20	0.65
(1,2650)	1:76:A:LEU:HD21	1:83:A:ALA:H	5	0.65
(1,2650)	1:76:A:LEU:HD21	1:83:A:ALA:H	7	0.65
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD13	14	0.65
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	1	0.65
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	8	0.65
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	18	0.65
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	11	0.65
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	18	0.65
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	5	0.65
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	11	0.65
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	20	0.65
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	1	0.65
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	19	0.65
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	1	0.65
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG23	2	0.65
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	4	0.65
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD22	5	0.65
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	12	0.65
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB3	10	0.65
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	12	0.65
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	19	0.65
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	11	0.65
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	18	0.65
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB2	6	0.65
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	7	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	8	0.65
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	9	0.65
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	11	0.65
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	4	0.65
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	7	0.65
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	10	0.65
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	9	0.65
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	13	0.65
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	14	0.65
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	15	0.65
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	6	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	2	0.65
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG13	15	0.65
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	13	0.65
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	15	0.65
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD22	20	0.65
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB3	20	0.65
(1,1199)	1:170:A:ASN:H	1:97:A:ASN:HD22	10	0.65
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	20	0.65
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	3	0.65
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	9	0.65
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	13	0.65
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD12	13	0.65
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	9	0.65
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	12	0.65
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	10	0.65
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	4	0.65
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG11	12	0.65
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG22	14	0.65
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	2	0.65
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD22	10	0.65
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	2	0.65
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	19	0.65
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	1	0.65
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	12	0.65
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	11	0.65
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	5	0.65
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	19	0.65
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG22	8	0.65
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	13	0.65
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	16	0.65
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD22	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:162:A:TYR:H	1:160:A:VAL:HG21	17	0.65
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	12	0.65
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	7	0.65
(1,787)	1:134:A:LEU:HD11	1:150:A:GLY:H	19	0.65
(1,772)	1:151:A:ILE:HD13	1:90:A:ASP:HA	2	0.65
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	13	0.65
(1,734)	1:67:A:ALA:HB2	1:68:A:MET:HE3	6	0.65
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	9	0.65
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	17	0.65
(1,730)	1:157:A:ALA:HB1	1:160:A:VAL:HG21	18	0.65
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	18	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG11	3	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG11	5	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG12	6	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	7	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	9	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	10	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	11	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	12	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	13	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	15	0.65
(1,723)	1:155:A:VAL:HG12	1:88:A:LEU:HA	17	0.65
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG11	20	0.65
(1,722)	1:66:A:GLY:HA3	1:67:A:ALA:HB1	8	0.65
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	5	0.65
(1,694)	1:94:A:ASN:HD22	1:100:A:LEU:HD12	20	0.65
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	10	0.65
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	11	0.65
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	7	0.65
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB2	5	0.65
(1,651)	1:125:A:GLN:HG2	1:124:A:ALA:HB3	20	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	1	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	4	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	6	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	7	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	10	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	11	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	13	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	15	0.65
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	20	0.65
(1,536)	1:110:A:ARG:HA	1:111:A:ASN:HB3	6	0.65
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	16	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	2	0.65
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB2	2	0.65
(1,474)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	16	0.65
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	2	0.65
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	3	0.65
(1,469)	1:86:A:VAL:HG23	1:88:A:LEU:HA	7	0.65
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	15	0.65
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD21	10	0.65
(1,456)	1:100:A:LEU:HD12	1:62:A:TYR:HE2	3	0.65
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	8	0.65
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	12	0.65
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	14	0.65
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD12	19	0.65
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	15	0.65
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	20	0.65
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	2	0.65
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	10	0.65
(1,350)	1:68:A:MET:HB3	1:108:A:THR:HB	14	0.65
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	17	0.65
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	8	0.65
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	13	0.65
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD22	12	0.65
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	20	0.65
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	9	0.65
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	11	0.65
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	17	0.65
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB2	19	0.65
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	10	0.65
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD3	9	0.65
(1,190)	1:190:A:GLY:HA3	1:191:A:LYS:HB3	1	0.65
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	13	0.65
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD23	19	0.65
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	1	0.65
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD13	10	0.65
(1,34)	1:72:A:VAL:HA	1:75:A:MET:HG3	8	0.65
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	7	0.65
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG12	10	0.65
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	7	0.65
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	5	0.64
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	10	0.64
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB3	8	0.64
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	5	0.64
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	11	0.64
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	3	0.64
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	16	0.64
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	1	0.64
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	12	0.64
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	1	0.64
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	5	0.64
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	7	0.64
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	11	0.64
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	13	0.64
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	16	0.64
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	1	0.64
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	18	0.64
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	18	0.64
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG22	9	0.64
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	10	0.64
(1,4324)	1:120:A:THR:H	1:120:A:THR:HG21	13	0.64
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	13	0.64
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG23	14	0.64
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB2	2	0.64
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	7	0.64
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	12	0.64
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	16	0.64
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	2	0.64
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	7	0.64
(1,3912)	1:113:A:LEU:HD22	1:161:A:LEU:HD13	3	0.64
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD11	11	0.64
(1,3912)	1:113:A:LEU:HD23	1:161:A:LEU:HD13	18	0.64
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	8	0.64
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	14	0.64
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB3	3	0.64
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	5	0.64
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	9	0.64
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	4	0.64
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	10	0.64
(1,3575)	1:179:A:MET:HE2	1:149:A:ILE:HD13	18	0.64
(1,3561)	1:180:A:LEU:H	1:187:A:ILE:HD12	16	0.64
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD12	10	0.64
(1,3532)	1:105:A:ALA:HB1	1:61:A:HIS:HD2	15	0.64
(1,3503)	1:151:A:ILE:HG21	1:155:A:VAL:H	4	0.64
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	9	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	10	0.64
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	11	0.64
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	17	0.64
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	7	0.64
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	13	0.64
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	18	0.64
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	9	0.64
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	12	0.64
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	1	0.64
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	2	0.64
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	3	0.64
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	1	0.64
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	10	0.64
(1,3431)	1:102:A:ALA:HB3	1:105:A:ALA:H	11	0.64
(1,3417)	1:187:A:ILE:HG21	1:185:A:GLU:HA	17	0.64
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	9	0.64
(1,3318)	1:92:A:VAL:HG12	1:106:A:THR:HG1	8	0.64
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	1	0.64
(1,3286)	1:67:A:ALA:HB3	1:64:A:TRP:HZ3	7	0.64
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	15	0.64
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	8	0.64
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB1	9	0.64
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	1	0.64
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	2	0.64
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	11	0.64
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	2	0.64
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	3	0.64
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	10	0.64
(1,3148)	1:174:A:LEU:HD21	1:174:A:LEU:H	13	0.64
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	19	0.64
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB1	7	0.64
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG21	5	0.64
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	6	0.64
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG21	13	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG11	5	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	11	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG11	13	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	14	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	15	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG13	16	0.64
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	19	0.64
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB2	12	0.64
(1,2649)	1:174:A:LEU:HB3	1:174:A:LEU:HD11	19	0.64
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	18	0.64
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD22	4	0.64
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD22	12	0.64
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	16	0.64
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD23	17	0.64
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	16	0.64
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	16	0.64
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	19	0.64
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	5	0.64
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	13	0.64
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	18	0.64
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	16	0.64
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG21	2	0.64
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	3	0.64
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	8	0.64
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG22	14	0.64
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	16	0.64
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD23	7	0.64
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	5	0.64
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	11	0.64
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	17	0.64
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	5	0.64
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB2	20	0.64
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	20	0.64
(1,1610)	1:141:A:SER:HB2	1:93:A:ASN:HB3	2	0.64
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG11	6	0.64
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	16	0.64
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB2	17	0.64
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	19	0.64
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	17	0.64
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	5	0.64
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG21	18	0.64
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	1	0.64
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	7	0.64
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	5	0.64
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	8	0.64
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	7	0.64
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	15	0.64
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	2	0.64
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	7	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD11	13	0.64
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	18	0.64
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	1	0.64
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	12	0.64
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	16	0.64
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	1	0.64
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	8	0.64
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	14	0.64
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	14	0.64
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	4	0.64
(1,1128)	1:156:A:GLY:H	1:153:A:ARG:HB3	5	0.64
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG23	19	0.64
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	15	0.64
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	9	0.64
(1,1057)	1:116:A:ASN:H	1:113:A:LEU:HD12	2	0.64
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	4	0.64
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	17	0.64
(1,962)	1:147:A:LYS:H	1:149:A:ILE:HD13	16	0.64
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	5	0.64
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	1	0.64
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	3	0.64
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	11	0.64
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	20	0.64
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD22	11	0.64
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	14	0.64
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD22	9	0.64
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	3	0.64
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	15	0.64
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	20	0.64
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	9	0.64
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD12	18	0.64
(1,891)	1:191:A:LYS:HE2	1:175:A:GLN:HG2	6	0.64
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	5	0.64
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB1	11	0.64
(1,801)	1:127:A:LEU:HG	1:88:A:LEU:HD12	6	0.64
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	16	0.64
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	12	0.64
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	11	0.64
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	17	0.64
(1,772)	1:151:A:ILE:HD12	1:90:A:ASP:HA	17	0.64
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	17	0.64
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	1	0.64
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	6	0.64
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	1	0.64
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	11	0.64
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	15	0.64
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	20	0.64
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	1	0.64
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	2	0.64
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	10	0.64
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	4	0.64
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	16	0.64
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG23	16	0.64
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG11	1	0.64
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	16	0.64
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	5	0.64
(1,693)	1:180:A:LEU:HD22	1:181:A:VAL:H	19	0.64
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	19	0.64
(1,650)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	15	0.64
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	12	0.64
(1,616)	1:184:A:GLY:HA2	1:183:A:THR:HA	18	0.64
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	6	0.64
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	17	0.64
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	1	0.64
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	19	0.64
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG22	3	0.64
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	16	0.64
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	20	0.64
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	1	0.64
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	9	0.64
(1,469)	1:86:A:VAL:HG21	1:88:A:LEU:HA	14	0.64
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD23	4	0.64
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD21	4	0.64
(1,458)	1:178:A:LEU:H	1:178:A:LEU:HD21	8	0.64
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	13	0.64
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD13	16	0.64
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	6	0.64
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	10	0.64
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	13	0.64
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	14	0.64
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	17	0.64
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	1	0.64
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	17	0.64
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	20	0.64
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	3	0.64
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	9	0.64
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	13	0.64
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	3	0.64
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	9	0.64
(1,297)	1:176:A:MET:HB2	1:161:A:LEU:HD23	4	0.64
(1,292)	1:65:A:ASN:HB2	1:64:A:TRP:HB3	4	0.64
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	4	0.64
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	7	0.64
(1,240)	1:134:A:LEU:HB2	1:136:A:LEU:HD11	16	0.64
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	18	0.64
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	7	0.64
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	20	0.64
(1,72)	1:146:A:SER:HB3	1:149:A:ILE:HB	16	0.64
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	17	0.64
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	1	0.64
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	18	0.64
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	12	0.64
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	1	0.64
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	5	0.64
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	15	0.63
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	3	0.63
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	14	0.63
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	14	0.63
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	13	0.63
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	7	0.63
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	13	0.63
(1,4712)	1:174:A:LEU:H	1:175:A:GLN:HE22	5	0.63
(1,4542)	1:73:A:SER:H	1:73:A:SER:HB2	19	0.63
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG12	18	0.63
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	20	0.63
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	10	0.63
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	3	0.63
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	8	0.63
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	10	0.63
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	14	0.63
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	18	0.63
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG23	6	0.63
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	12	0.63
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	3	0.63
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	16	0.63
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD13	1	0.63
(1,3912)	1:113:A:LEU:HD22	1:161:A:LEU:HD11	2	0.63
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	9	0.63
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	14	0.63
(1,3912)	1:113:A:LEU:HD23	1:161:A:LEU:HD13	20	0.63
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	15	0.63
(1,3861)	1:128:A:SER:HB2	1:138:A:PRO:HB2	16	0.63
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	15	0.63
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	6	0.63
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG21	7	0.63
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	16	0.63
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	20	0.63
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	13	0.63
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	5	0.63
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	8	0.63
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	18	0.63
(1,3682)	1:186:A:ILE:HD13	1:179:A:MET:HB3	19	0.63
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD2	13	0.63
(1,3613)	1:152:A:ALA:HA	1:88:A:LEU:HD21	11	0.63
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	1	0.63
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG21	12	0.63
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD13	11	0.63
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	7	0.63
(1,3532)	1:105:A:ALA:HB3	1:61:A:HIS:HD2	7	0.63
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	7	0.63
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	19	0.63
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	18	0.63
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	3	0.63
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	8	0.63
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	1	0.63
(1,3431)	1:102:A:ALA:HB2	1:105:A:ALA:H	2	0.63
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	6	0.63
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	8	0.63
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	2	0.63
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	1	0.63
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	1	0.63
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	3	0.63
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	8	0.63
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	13	0.63
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	15	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	4	0.63
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	10	0.63
(1,3213)	1:88:A:LEU:HD11	1:90:A:ASP:HB3	7	0.63
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	3	0.63
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	9	0.63
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	13	0.63
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	14	0.63
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	18	0.63
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD21	5	0.63
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	16	0.63
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	2	0.63
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	5	0.63
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	12	0.63
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB2	15	0.63
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	11	0.63
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	16	0.63
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	11	0.63
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	6	0.63
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	8	0.63
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	9	0.63
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	15	0.63
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD13	8	0.63
(1,2801)	1:81:A:VAL:HA	1:81:A:VAL:HG12	20	0.63
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	14	0.63
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE3	18	0.63
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	3	0.63
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	11	0.63
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	18	0.63
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD23	20	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	4	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	5	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD23	6	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD23	7	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	14	0.63
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	18	0.63
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD13	12	0.63
(1,2592)	1:180:A:LEU:HB2	1:180:A:LEU:HD11	15	0.63
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	12	0.63
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	20	0.63
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	2	0.63
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	8	0.63
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	1	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG23	18	0.63
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	12	0.63
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	3	0.63
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	10	0.63
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	15	0.63
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	12	0.63
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	3	0.63
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	13	0.63
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG23	18	0.63
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	8	0.63
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	14	0.63
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	18	0.63
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD21	4	0.63
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD21	8	0.63
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	1	0.63
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	3	0.63
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	7	0.63
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	15	0.63
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	15	0.63
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	6	0.63
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	8	0.63
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB2	1	0.63
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	4	0.63
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB2	10	0.63
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	8	0.63
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	10	0.63
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	9	0.63
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	15	0.63
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	17	0.63
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	14	0.63
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	1	0.63
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	1	0.63
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	15	0.63
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	17	0.63
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG13	16	0.63
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	4	0.63
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	20	0.63
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	16	0.63
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	1	0.63
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	2	0.63
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	10	0.63
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	6	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	17	0.63
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	15	0.63
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	7	0.63
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	17	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG11	6	0.63
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	8	0.63
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	5	0.63
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	8	0.63
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	12	0.63
(1,1082)	1:106:A:THR:H	1:139:A:GLN:HG3	20	0.63
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	4	0.63
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	11	0.63
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	17	0.63
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	5	0.63
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	10	0.63
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	16	0.63
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	5	0.63
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD11	15	0.63
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	2	0.63
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	18	0.63
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	14	0.63
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	3	0.63
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	5	0.63
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD23	12	0.63
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	16	0.63
(1,906)	1:162:A:TYR:H	1:178:A:LEU:HD23	15	0.63
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	18	0.63
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	4	0.63
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD13	20	0.63
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	7	0.63
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	12	0.63
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	15	0.63
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	18	0.63
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	20	0.63
(1,802)	1:95:A:ARG:HG3	1:165:A:ALA:HB2	13	0.63
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	6	0.63
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	15	0.63
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	1	0.63
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	9	0.63
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	3	0.63
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	9	0.63
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	14	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	16	0.63
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	20	0.63
(1,753)	1:112:A:ALA:HB3	1:65:A:ASN:HB2	3	0.63
(1,753)	1:112:A:ALA:HB3	1:65:A:ASN:HB2	15	0.63
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	6	0.63
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	10	0.63
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	3	0.63
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB3	4	0.63
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	1	0.63
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG11	15	0.63
(1,723)	1:155:A:VAL:HA	1:155:A:VAL:HG13	18	0.63
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	10	0.63
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	10	0.63
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	16	0.63
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	18	0.63
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB1	6	0.63
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	14	0.63
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG21	3	0.63
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG23	11	0.63
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB2	13	0.63
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG11	3	0.63
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	13	0.63
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	3	0.63
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG12	2	0.63
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG2	11	0.63
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG2	18	0.63
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	7	0.63
(1,524)	1:37:A:PRO:HA	1:38:A:THR:HG23	2	0.63
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	16	0.63
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	2	0.63
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	20	0.63
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	12	0.63
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	19	0.63
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	16	0.63
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	2	0.63
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	1	0.63
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	8	0.63
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	7	0.63
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	7	0.63
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	5	0.63
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	3	0.63
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG23	8	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	17	0.63
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	2	0.63
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	15	0.63
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB2	7	0.63
(1,207)	1:153:A:ARG:HD2	1:152:A:ALA:HB2	15	0.63
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD21	15	0.63
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	18	0.63
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG13	14	0.63
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	3	0.63
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	6	0.63
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	7	0.63
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	9	0.63
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	14	0.63
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	15	0.63
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	2	0.63
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	11	0.63
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG12	3	0.63
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG11	13	0.63
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	15	0.63
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	16	0.62
(1,5084)	1:8:A:ARG:H	1:8:A:ARG:HA	13	0.62
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	1	0.62
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	16	0.62
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	18	0.62
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	5	0.62
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	17	0.62
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	10	0.62
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	11	0.62
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	2	0.62
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	11	0.62
(1,4858)	1:63:A:ASP:H	1:197:A:GLN:HG2	8	0.62
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	12	0.62
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	1	0.62
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	19	0.62
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	2	0.62
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	4	0.62
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	17	0.62
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	10	0.62
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	17	0.62
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	3	0.62
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	7	0.62
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	14	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	7	0.62
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG21	10	0.62
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	8	0.62
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	4	0.62
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	6	0.62
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD13	8	0.62
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	15	0.62
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	1	0.62
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	13	0.62
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	17	0.62
(1,3827)	1:149:A:ILE:HG23	1:153:A:ARG:HE	9	0.62
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB1	13	0.62
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB2	16	0.62
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	17	0.62
(1,3682)	1:186:A:ILE:HD12	1:179:A:MET:HB3	15	0.62
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD1	4	0.62
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD12	1	0.62
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD13	9	0.62
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD12	14	0.62
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	19	0.62
(1,3503)	1:151:A:ILE:HG22	1:155:A:VAL:H	1	0.62
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	13	0.62
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	15	0.62
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	13	0.62
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	5	0.62
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	14	0.62
(1,3431)	1:102:A:ALA:HB1	1:105:A:ALA:H	10	0.62
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	9	0.62
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD23	17	0.62
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	12	0.62
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	15	0.62
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	8	0.62
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	10	0.62
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	11	0.62
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	17	0.62
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	1	0.62
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	11	0.62
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	11	0.62
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	17	0.62
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	9	0.62
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	6	0.62
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	16	0.62
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	17	0.62
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	3	0.62
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	11	0.62
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	18	0.62
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	18	0.62
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	15	0.62
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	1	0.62
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	10	0.62
(1,3148)	1:174:A:LEU:HD21	1:174:A:LEU:H	11	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	2	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	11	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	14	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	16	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG21	18	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	19	0.62
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	20	0.62
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	2	0.62
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	1	0.62
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	20	0.62
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD21	6	0.62
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD22	15	0.62
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	10	0.62
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD21	15	0.62
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD13	17	0.62
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	4	0.62
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	12	0.62
(1,2512)	1:133:A:GLN:HB3	1:130:A:ALA:HA	18	0.62
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	1	0.62
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	2	0.62
(1,2328)	1:196:A:GLN:HG3	1:60:A:ARG:HB2	17	0.62
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	1	0.62
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	7	0.62
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	9	0.62
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	14	0.62
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	16	0.62
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	19	0.62
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	3	0.62
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	8	0.62
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	6	0.62
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	10	0.62
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	15	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	15	0.62
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD11	7	0.62
(1,1820)	1:191:A:LYS:HA	1:174:A:LEU:HD13	13	0.62
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	6	0.62
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	18	0.62
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	6	0.62
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	8	0.62
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	14	0.62
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	19	0.62
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG22	16	0.62
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	3	0.62
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	13	0.62
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	18	0.62
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	11	0.62
(1,1474)	1:173:A:THR:HB	1:96:A:THR:HG22	20	0.62
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	2	0.62
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	15	0.62
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	6	0.62
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	9	0.62
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	16	0.62
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	1	0.62
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	4	0.62
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	13	0.62
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	14	0.62
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	18	0.62
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	5	0.62
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	12	0.62
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	16	0.62
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	8	0.62
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	12	0.62
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	16	0.62
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	18	0.62
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	15	0.62
(1,1226)	1:111:A:ASN:HD21	1:121:A:LEU:HD21	1	0.62
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	17	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	1	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD13	10	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD13	11	0.62
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD13	19	0.62
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	4	0.62
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	2	0.62
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	7	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	3	0.62
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	19	0.62
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	4	0.62
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	6	0.62
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	8	0.62
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	10	0.62
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	1	0.62
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG13	2	0.62
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG11	18	0.62
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	11	0.62
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	2	0.62
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	8	0.62
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	7	0.62
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	9	0.62
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	14	0.62
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	3	0.62
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	9	0.62
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	11	0.62
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	19	0.62
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	6	0.62
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	9	0.62
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD11	18	0.62
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	19	0.62
(1,956)	1:105:A:ALA:H	1:92:A:VAL:HB	10	0.62
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	17	0.62
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD12	11	0.62
(1,914)	1:179:A:MET:H	1:160:A:VAL:HG22	2	0.62
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD23	10	0.62
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD23	12	0.62
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	6	0.62
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	16	0.62
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	15	0.62
(1,896)	1:64:A:TRP:HE1	1:100:A:LEU:HD11	16	0.62
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	14	0.62
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	3	0.62
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	11	0.62
(1,773)	1:151:A:ILE:HD12	1:134:A:LEU:HA	12	0.62
(1,772)	1:151:A:ILE:HD13	1:90:A:ASP:HA	4	0.62
(1,772)	1:151:A:ILE:HD12	1:90:A:ASP:HA	18	0.62
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	5	0.62
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	11	0.62
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	8	0.62
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	2	0.62
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	5	0.62
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	19	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB3	5	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	6	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	12	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	13	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	15	0.62
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	17	0.62
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	3	0.62
(1,734)	1:67:A:ALA:HB2	1:68:A:MET:HE3	2	0.62
(1,734)	1:67:A:ALA:HB2	1:68:A:MET:HE3	11	0.62
(1,734)	1:67:A:ALA:HB2	1:68:A:MET:HE3	14	0.62
(1,723)	1:155:A:VAL:HG13	1:88:A:LEU:HA	2	0.62
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	1	0.62
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	4	0.62
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	5	0.62
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	7	0.62
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	11	0.62
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	9	0.62
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG13	15	0.62
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB3	9	0.62
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG11	5	0.62
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	7	0.62
(1,632)	1:81:A:VAL:HG21	1:118:A:LYS:HE2	13	0.62
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	18	0.62
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD12	9	0.62
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	10	0.62
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	16	0.62
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	4	0.62
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	13	0.62
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	18	0.62
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG23	5	0.62
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	4	0.62
(1,502)	1:189:A:SER:HB3	1:178:A:LEU:HA	2	0.62
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	7	0.62
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	8	0.62
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	17	0.62
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	9	0.62
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD21	18	0.62
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	7	0.62
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	9	0.62
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	6	0.62
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	9	0.62
(1,429)	1:87:A:LEU:HB2	1:113:A:LEU:HD11	10	0.62
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	1	0.62
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	2	0.62
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	5	0.62
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	13	0.62
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	19	0.62
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	5	0.62
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	6	0.62
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	11	0.62
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	9	0.62
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	11	0.62
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	15	0.62
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	19	0.62
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	6	0.62
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB1	13	0.62
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	2	0.62
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG13	8	0.62
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	1	0.62
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	5	0.62
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	8	0.62
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	13	0.62
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	16	0.62
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	17	0.62
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	4	0.62
(1,46)	1:138:A:PRO:HA	1:136:A:LEU:HB3	10	0.62
(1,37)	1:164:A:SER:HB2	1:95:A:ARG:HB2	17	0.62
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	3	0.62
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	4	0.62
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	6	0.62
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	7	0.62
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	14	0.62
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	4	0.62
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	12	0.62
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	14	0.62
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG11	17	0.62
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB2	15	0.61
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	11	0.61
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	3	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD11	14	0.61
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	4	0.61
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	1	0.61
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	6	0.61
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	10	0.61
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	17	0.61
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	18	0.61
(1,4440)	1:71:A:MET:H	1:70:A:PRO:HG3	15	0.61
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	6	0.61
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	14	0.61
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	18	0.61
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	19	0.61
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	4	0.61
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG22	5	0.61
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	16	0.61
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB1	3	0.61
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD1	14	0.61
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	14	0.61
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	9	0.61
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	10	0.61
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	15	0.61
(1,3809)	1:87:A:LEU:HD21	1:119:A:PHE:HD1	2	0.61
(1,3805)	1:142:A:LEU:HD23	1:162:A:TYR:HE1	18	0.61
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB3	5	0.61
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	9	0.61
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG23	16	0.61
(1,3589)	1:188:A:TRP:HB2	1:186:A:ILE:HG22	18	0.61
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD12	3	0.61
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	8	0.61
(1,3503)	1:151:A:ILE:HG23	1:155:A:VAL:H	12	0.61
(1,3503)	1:151:A:ILE:HG21	1:155:A:VAL:H	18	0.61
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	1	0.61
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	19	0.61
(1,3459)	1:179:A:MET:HE3	1:179:A:MET:HA	12	0.61
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	4	0.61
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	17	0.61
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	16	0.61
(1,3431)	1:102:A:ALA:HB3	1:105:A:ALA:H	4	0.61
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	18	0.61
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	18	0.61
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	14	0.61
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3325)	1:160:A:VAL:HG21	1:162:A:TYR:HD2	10	0.61
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	2	0.61
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	3	0.61
(1,3285)	1:67:A:ALA:HB3	1:64:A:TRP:H	6	0.61
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	3	0.61
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	4	0.61
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	5	0.61
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	7	0.61
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	10	0.61
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	12	0.61
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	19	0.61
(1,3176)	1:121:A:LEU:HD21	1:119:A:PHE:HD2	9	0.61
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD23	19	0.61
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB3	14	0.61
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB1	18	0.61
(1,3086)	1:138:A:PRO:HB2	1:138:A:PRO:HD3	5	0.61
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	19	0.61
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	1	0.61
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	3	0.61
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	12	0.61
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG23	17	0.61
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	18	0.61
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	5	0.61
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	15	0.61
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	16	0.61
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	19	0.61
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	8	0.61
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	20	0.61
(1,2650)	1:76:A:LEU:HD22	1:83:A:ALA:H	20	0.61
(1,2641)	1:131:A:LYS:HE3	1:142:A:LEU:HD12	15	0.61
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD21	18	0.61
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD13	9	0.61
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	3	0.61
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	9	0.61
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	18	0.61
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	20	0.61
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	9	0.61
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE2	16	0.61
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	5	0.61
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	11	0.61
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD22	16	0.61
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	4	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	13	0.61
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	15	0.61
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	11	0.61
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG23	17	0.61
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	20	0.61
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	9	0.61
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	9	0.61
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG23	10	0.61
(1,1662)	1:194:A:VAL:HA	1:193:A:ALA:HB1	13	0.61
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	3	0.61
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	13	0.61
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	9	0.61
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	14	0.61
(1,1571)	1:85:A:SER:HB2	1:86:A:VAL:HG13	17	0.61
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	3	0.61
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB1	5	0.61
(1,1473)	1:173:A:THR:HB	1:193:A:ALA:HB3	13	0.61
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	7	0.61
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	10	0.61
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	19	0.61
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	18	0.61
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	14	0.61
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	14	0.61
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	2	0.61
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	13	0.61
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	3	0.61
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	5	0.61
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	20	0.61
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	2	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	2	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	5	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	6	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	9	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	10	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	11	0.61
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	18	0.61
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD13	9	0.61
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	15	0.61
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	18	0.61
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	8	0.61
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	2	0.61
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	1	0.61
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	3	0.61
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	12	0.61
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	17	0.61
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	1	0.61
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	14	0.61
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	8	0.61
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	11	0.61
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	14	0.61
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HA	5	0.61
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	9	0.61
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	8	0.61
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD23	1	0.61
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD22	4	0.61
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	15	0.61
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD23	1	0.61
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	7	0.61
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD22	20	0.61
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	1	0.61
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	4	0.61
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	12	0.61
(1,891)	1:191:A:LYS:HE2	1:175:A:GLN:HG2	3	0.61
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	8	0.61
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	12	0.61
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	7	0.61
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	20	0.61
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	14	0.61
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	3	0.61
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	9	0.61
(1,785)	1:121:A:LEU:HD22	1:119:A:PHE:H	7	0.61
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	12	0.61
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	14	0.61
(1,771)	1:151:A:ILE:HD11	1:154:A:ASN:HD22	16	0.61
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	1	0.61
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	3	0.61
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	6	0.61
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	12	0.61
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	17	0.61
(1,753)	1:112:A:ALA:HB3	1:65:A:ASN:HB2	11	0.61
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	7	0.61
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	9	0.61
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	7	0.61
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	9	0.61
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB3	11	0.61
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	14	0.61
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	18	0.61
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB1	19	0.61
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	10	0.61
(1,734)	1:67:A:ALA:HB1	1:68:A:MET:HE3	13	0.61
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD13	20	0.61
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	8	0.61
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG12	14	0.61
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	2	0.61
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	9	0.61
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	17	0.61
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	20	0.61
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB2	10	0.61
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB2	19	0.61
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	9	0.61
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	18	0.61
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	20	0.61
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	5	0.61
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	4	0.61
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	15	0.61
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	19	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	1	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	3	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	4	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	7	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	11	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	14	0.61
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	15	0.61
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	6	0.61
(1,469)	1:86:A:VAL:HG23	1:88:A:LEU:HA	11	0.61
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	6	0.61
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	7	0.61
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	9	0.61
(1,459)	1:178:A:LEU:HD23	1:180:A:LEU:HB2	13	0.61
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	10	0.61
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD22	13	0.61
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	18	0.61
(1,456)	1:100:A:LEU:HD12	1:62:A:TYR:HE2	10	0.61
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	20	0.61
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	11	0.61
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	19	0.61
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	12	0.61
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	15	0.61
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	1	0.61
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	8	0.61
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	12	0.61
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	8	0.61
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	13	0.61
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	20	0.61
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	6	0.61
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	17	0.61
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	4	0.61
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	9	0.61
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	19	0.61
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	1	0.61
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG13	20	0.61
(1,140)	1:121:A:LEU:HA	1:121:A:LEU:HD23	20	0.61
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	2	0.61
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	4	0.61
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	10	0.61
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	11	0.61
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	12	0.61
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	19	0.61
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	1	0.61
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD13	17	0.61
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	12	0.61
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	8	0.61
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	17	0.61
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	16	0.61
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG12	20	0.61
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	7	0.6
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	13	0.6
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	7	0.6
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG21	11	0.6
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	12	0.6
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	1	0.6
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	10	0.6
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	20	0.6
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD11	15	0.6
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	8	0.6
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	12	0.6
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	18	0.6
(1,4790)	1:47:A:GLU:H	1:46:A:ILE:HG13	2	0.6
(1,4790)	1:47:A:GLU:H	1:46:A:ILE:HG13	15	0.6
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	14	0.6
(1,4421)	1:108:A:THR:H	1:107:A:GLU:HG3	6	0.6
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	4	0.6
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	7	0.6
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	8	0.6
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	13	0.6
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG23	20	0.6
(1,4213)	1:189:A:SER:H	1:78:A:ALA:HB3	11	0.6
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	6	0.6
(1,3860)	1:176:A:MET:HE3	1:75:A:MET:HE1	5	0.6
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG22	3	0.6
(1,3859)	1:99:A:SER:HB3	1:169:A:VAL:HG23	18	0.6
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	12	0.6
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	1	0.6
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD12	10	0.6
(1,3563)	1:187:A:ILE:HD12	1:178:A:LEU:H	2	0.6
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	4	0.6
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	18	0.6
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE2	9	0.6
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB3	11	0.6
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD22	4	0.6
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	12	0.6
(1,3325)	1:160:A:VAL:HG23	1:162:A:TYR:HD2	4	0.6
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	14	0.6
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	16	0.6
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	9	0.6
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	14	0.6
(1,3200)	1:171:A:ALA:H	1:172:A:PRO:HG2	20	0.6
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	5	0.6
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	7	0.6
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	6	0.6
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD23	12	0.6
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	7	0.6
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD13	17	0.6
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	18	0.6
(1,3036)	1:101:A:ASN:HB2	1:104:A:GLU:HG2	2	0.6
(1,3036)	1:101:A:ASN:HB2	1:104:A:GLU:HG2	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	13	0.6
(1,2881)	1:119:A:PHE:HA	1:87:A:LEU:HD11	2	0.6
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	18	0.6
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG23	1	0.6
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG23	11	0.6
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	17	0.6
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE3	16	0.6
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD22	8	0.6
(1,2621)	1:127:A:LEU:HB3	1:127:A:LEU:HD21	17	0.6
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	12	0.6
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	16	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	4	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	7	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	8	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	12	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	13	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	16	0.6
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	17	0.6
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	3	0.6
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	20	0.6
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	15	0.6
(1,2216)	1:65:A:ASN:HD21	1:65:A:ASN:HB2	4	0.6
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	4	0.6
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	14	0.6
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	18	0.6
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	19	0.6
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	12	0.6
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	17	0.6
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	9	0.6
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	15	0.6
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	11	0.6
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	2	0.6
(1,1913)	1:168:A:ASN:HA	1:100:A:LEU:HD21	11	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	2	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG23	10	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	16	0.6
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG23	19	0.6
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	12	0.6
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	17	0.6
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	20	0.6
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG21	2	0.6
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	4	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	11	0.6
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	5	0.6
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	13	0.6
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	16	0.6
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD11	11	0.6
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	1	0.6
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	3	0.6
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	7	0.6
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	10	0.6
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	11	0.6
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	11	0.6
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	14	0.6
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	20	0.6
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	10	0.6
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD13	3	0.6
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	14	0.6
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	11	0.6
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	15	0.6
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	17	0.6
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	12	0.6
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	12	0.6
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	15	0.6
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	18	0.6
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	20	0.6
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	5	0.6
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	13	0.6
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG13	20	0.6
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD12	10	0.6
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	1	0.6
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	13	0.6
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	19	0.6
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	3	0.6
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	5	0.6
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	6	0.6
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	14	0.6
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	18	0.6
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	6	0.6
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	3	0.6
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD23	6	0.6
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD13	8	0.6
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	20	0.6
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG23	6	0.6
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD21	18	0.6
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	8	0.6
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	18	0.6
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	5	0.6
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	6	0.6
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	6	0.6
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	20	0.6
(1,810)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	1	0.6
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	4	0.6
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	1	0.6
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	3	0.6
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	8	0.6
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	14	0.6
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	10	0.6
(1,771)	1:151:A:ILE:HD11	1:154:A:ASN:HD22	18	0.6
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	7	0.6
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	18	0.6
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	19	0.6
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	16	0.6
(1,751)	1:179:A:MET:HE2	1:150:A:GLY:H	3	0.6
(1,751)	1:179:A:MET:HE3	1:150:A:GLY:H	8	0.6
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB2	8	0.6
(1,746)	1:106:A:THR:H	1:102:A:ALA:HB3	16	0.6
(1,734)	1:67:A:ALA:HB3	1:68:A:MET:HE3	19	0.6
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	20	0.6
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	5	0.6
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	17	0.6
(1,708)	1:108:A:THR:HG23	1:111:A:ASN:H	3	0.6
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	12	0.6
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	16	0.6
(1,693)	1:180:A:LEU:HD22	1:181:A:VAL:H	1	0.6
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	3	0.6
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	14	0.6
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG11	17	0.6
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD23	2	0.6
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	5	0.6
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	18	0.6
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB1	17	0.6
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	2	0.6
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	5	0.6
(1,632)	1:81:A:VAL:HG21	1:118:A:LYS:HE2	10	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	5	0.6
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	14	0.6
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	7	0.6
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	8	0.6
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	10	0.6
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	16	0.6
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	9	0.6
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	17	0.6
(1,511)	1:85:A:SER:HB3	1:82:A:THR:HG21	17	0.6
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	13	0.6
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	14	0.6
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	15	0.6
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	10	0.6
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	13	0.6
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	16	0.6
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	19	0.6
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	11	0.6
(1,459)	1:178:A:LEU:HD23	1:180:A:LEU:HB2	14	0.6
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD22	5	0.6
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD22	19	0.6
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	4	0.6
(1,456)	1:100:A:LEU:HD13	1:62:A:TYR:HE2	5	0.6
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	4	0.6
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	6	0.6
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	3	0.6
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB2	15	0.6
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	2	0.6
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	10	0.6
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	1	0.6
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	10	0.6
(1,280)	1:81:A:VAL:H	1:79:A:ASP:HB3	5	0.6
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	6	0.6
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	13	0.6
(1,233)	1:110:A:ARG:HD2	1:107:A:GLU:H	6	0.6
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	9	0.6
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG12	15	0.6
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	16	0.6
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG13	18	0.6
(1,129)	1:134:A:LEU:HA	1:133:A:GLN:HA	18	0.6
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	3	0.6
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	8	0.6
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	2	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:164:A:SER:HB2	1:95:A:ARG:HB2	4	0.6
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	12	0.6
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	18	0.6
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	9	0.6
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	12	0.6
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	20	0.6
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	6	0.6
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	11	0.6
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	13	0.6
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	10	0.59
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	9	0.59
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	19	0.59
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	20	0.59
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	1	0.59
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	8	0.59
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG22	9	0.59
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	16	0.59
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD11	2	0.59
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD12	4	0.59
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD11	6	0.59
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD12	11	0.59
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	6	0.59
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	12	0.59
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	15	0.59
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	17	0.59
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	2	0.59
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	8	0.59
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	13	0.59
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	16	0.59
(1,4421)	1:108:A:THR:H	1:107:A:GLU:HG3	8	0.59
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	4	0.59
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	9	0.59
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	11	0.59
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	12	0.59
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	19	0.59
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	18	0.59
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	11	0.59
(1,4263)	1:171:A:ALA:H	1:194:A:VAL:HG21	19	0.59
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	19	0.59
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	14	0.59
(1,3905)	1:103:A:ALA:HB1	1:106:A:THR:HG1	18	0.59
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3682)	1:186:A:ILE:HD11	1:179:A:MET:HB3	12	0.59
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG13	4	0.59
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG13	16	0.59
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG11	17	0.59
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	2	0.59
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	4	0.59
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	19	0.59
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	4	0.59
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	6	0.59
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	7	0.59
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	8	0.59
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	14	0.59
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	16	0.59
(1,3364)	1:148:A:ALA:HB1	1:142:A:LEU:H	15	0.59
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	3	0.59
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	7	0.59
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	14	0.59
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	7	0.59
(1,3163)	1:106:A:THR:HA	1:109:A:LEU:HD22	13	0.59
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD11	17	0.59
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	16	0.59
(1,3056)	1:175:A:GLN:HG2	1:191:A:LYS:HD2	1	0.59
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	1	0.59
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD12	2	0.59
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD12	7	0.59
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	18	0.59
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	18	0.59
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	10	0.59
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB3	11	0.59
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	15	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	3	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG23	12	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	14	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	15	0.59
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	18	0.59
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE3	6	0.59
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	3	0.59
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	2	0.59
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	6	0.59
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	14	0.59
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	5	0.59
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG23	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2216)	1:65:A:ASN:HD21	1:65:A:ASN:HB2	20	0.59
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	1	0.59
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	2	0.59
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD22	10	0.59
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	7	0.59
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	4	0.59
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	8	0.59
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	17	0.59
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	5	0.59
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	6	0.59
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG11	12	0.59
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG22	11	0.59
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	10	0.59
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	15	0.59
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD21	13	0.59
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	14	0.59
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD21	19	0.59
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	1	0.59
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	7	0.59
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB2	1	0.59
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB3	10	0.59
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG22	19	0.59
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	4	0.59
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	20	0.59
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	12	0.59
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB1	12	0.59
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	15	0.59
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	17	0.59
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	16	0.59
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD21	19	0.59
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	16	0.59
(1,1333)	1:159:A:TYR:HE1	1:159:A:TYR:HA	4	0.59
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	2	0.59
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	12	0.59
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	6	0.59
(1,1279)	1:115:A:ASN:HD22	1:112:A:ALA:HB2	14	0.59
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	3	0.59
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	9	0.59
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	10	0.59
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	19	0.59
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	1	0.59
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:166:A:SER:H	1:100:A:LEU:HD23	11	0.59
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD3	20	0.59
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD23	16	0.59
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	9	0.59
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	12	0.59
(1,1176)	1:124:A:ALA:H	1:125:A:GLN:HE21	6	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	1	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	2	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	6	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	7	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	9	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	10	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	11	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	13	0.59
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	14	0.59
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	19	0.59
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	18	0.59
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG11	16	0.59
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD13	3	0.59
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	19	0.59
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	5	0.59
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	19	0.59
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	16	0.59
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	4	0.59
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	9	0.59
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	15	0.59
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	4	0.59
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	13	0.59
(1,1014)	1:191:A:LYS:H	1:191:A:LYS:HE3	16	0.59
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	1	0.59
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD13	2	0.59
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD23	13	0.59
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD23	17	0.59
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD11	6	0.59
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD13	20	0.59
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	11	0.59
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	17	0.59
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD13	17	0.59
(1,914)	1:179:A:MET:H	1:87:A:LEU:HD22	9	0.59
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	9	0.59
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	13	0.59
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	3	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	17	0.59
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	4	0.59
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	13	0.59
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	17	0.59
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	18	0.59
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	2	0.59
(1,810)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	6	0.59
(1,810)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	17	0.59
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	19	0.59
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG21	14	0.59
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	2	0.59
(1,790)	1:165:A:ALA:HB2	1:172:A:PRO:HA	5	0.59
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	7	0.59
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	15	0.59
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	16	0.59
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	8	0.59
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	15	0.59
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	8	0.59
(1,756)	1:151:A:ILE:HG22	1:130:A:ALA:HA	11	0.59
(1,740)	1:131:A:LYS:HA	1:130:A:ALA:HB1	19	0.59
(1,708)	1:108:A:THR:HG23	1:111:A:ASN:H	10	0.59
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	11	0.59
(1,708)	1:108:A:THR:HG23	1:111:A:ASN:H	17	0.59
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	1	0.59
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	5	0.59
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	6	0.59
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	13	0.59
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	3	0.59
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	8	0.59
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	15	0.59
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB3	7	0.59
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG12	2	0.59
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG11	15	0.59
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	8	0.59
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	8	0.59
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	12	0.59
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	13	0.59
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	5	0.59
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	12	0.59
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD12	19	0.59
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	4	0.59
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	6	0.59
(1,528)	1:146:A:SER:HB3	1:145:A:ARG:H	20	0.59
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	1	0.59
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	3	0.59
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	5	0.59
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	6	0.59
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	8	0.59
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	14	0.59
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	19	0.59
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	1	0.59
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	14	0.59
(1,469)	1:86:A:VAL:HG22	1:88:A:LEU:HA	19	0.59
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD23	3	0.59
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	1	0.59
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	6	0.59
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	11	0.59
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD21	1	0.59
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	6	0.59
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD21	12	0.59
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD22	16	0.59
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	17	0.59
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	20	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	2	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	3	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	7	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	9	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	10	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	11	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	12	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	13	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	15	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	16	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	17	0.59
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	18	0.59
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	18	0.59
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	4	0.59
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	11	0.59
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	12	0.59
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	3	0.59
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	4	0.59
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	7	0.59
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	14	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	1	0.59
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD11	15	0.59
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD22	20	0.59
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	8	0.59
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	18	0.59
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	20	0.59
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	13	0.59
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD12	4	0.59
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD11	8	0.59
(1,37)	1:164:A:SER:HB2	1:95:A:ARG:HB2	14	0.59
(1,37)	1:164:A:SER:HB2	1:95:A:ARG:HB2	18	0.59
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	19	0.59
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	2	0.59
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	3	0.59
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG11	8	0.59
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG13	9	0.59
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	2	0.59
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	3	0.59
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	6	0.59
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	13	0.58
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	4	0.58
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	7	0.58
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	10	0.58
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG22	2	0.58
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG22	18	0.58
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	9	0.58
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD11	20	0.58
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	9	0.58
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB1	14	0.58
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	16	0.58
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	17	0.58
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB2	18	0.58
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB3	19	0.58
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	8	0.58
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	11	0.58
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB1	1	0.58
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	20	0.58
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	6	0.58
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	19	0.58
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	9	0.58
(1,4395)	1:141:A:SER:H	1:140:A:ASP:HB2	20	0.58
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	15	0.58
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	20	0.58
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	7	0.58
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	9	0.58
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	20	0.58
(1,4347)	1:125:A:GLN:H	1:125:A:GLN:HB2	1	0.58
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	15	0.58
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	20	0.58
(1,3864)	1:183:A:THR:HG22	1:185:A:GLU:H	12	0.58
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	2	0.58
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	3	0.58
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	11	0.58
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB3	20	0.58
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	12	0.58
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD13	15	0.58
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	7	0.58
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	19	0.58
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG12	1	0.58
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG12	6	0.58
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	16	0.58
(1,3630)	1:174:A:LEU:HD11	1:64:A:TRP:HH2	19	0.58
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	8	0.58
(1,3572)	1:151:A:ILE:HD12	1:131:A:LYS:HG2	10	0.58
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD12	15	0.58
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG21	19	0.58
(1,3517)	1:75:A:MET:HE3	1:87:A:LEU:HD23	19	0.58
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	3	0.58
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	20	0.58
(1,3455)	1:148:A:ALA:HA	1:179:A:MET:HE3	19	0.58
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	3	0.58
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	9	0.58
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB2	15	0.58
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB3	16	0.58
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	8	0.58
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG22	16	0.58
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	13	0.58
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	7	0.58
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	10	0.58
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	2	0.58
(1,3325)	1:160:A:VAL:HG22	1:162:A:TYR:HD2	17	0.58
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	8	0.58
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	9	0.58
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD23	10	0.58
(1,3148)	1:174:A:LEU:HD23	1:174:A:LEU:H	15	0.58
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB3	5	0.58
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB1	8	0.58
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB1	12	0.58
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD21	13	0.58
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	15	0.58
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB2	15	0.58
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB1	18	0.58
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	13	0.58
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	19	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB1	3	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB1	4	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	5	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	10	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	12	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	15	0.58
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	17	0.58
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	8	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	4	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	5	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG23	6	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG23	7	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	9	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG21	10	0.58
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	13	0.58
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE3	14	0.58
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB1	16	0.58
(1,2630)	1:100:A:LEU:HD12	1:105:A:ALA:HB3	18	0.58
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	1	0.58
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	7	0.58
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	1	0.58
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	5	0.58
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	10	0.58
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	15	0.58
(1,2520)	1:154:A:ASN:H	1:153:A:ARG:HG2	19	0.58
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	5	0.58
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	10	0.58
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	8	0.58
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD22	15	0.58
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	6	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	7	0.58
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	18	0.58
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	13	0.58
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	14	0.58
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG23	17	0.58
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	5	0.58
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG11	6	0.58
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	9	0.58
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	11	0.58
(1,1935)	1:63:A:ASP:HA	1:194:A:VAL:HG21	7	0.58
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	1	0.58
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG23	3	0.58
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG23	6	0.58
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	13	0.58
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	7	0.58
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB2	4	0.58
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	7	0.58
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	14	0.58
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	5	0.58
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	7	0.58
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	10	0.58
(1,1611)	1:137:A:SER:HB3	1:140:A:ASP:HB3	16	0.58
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	1	0.58
(1,1521)	1:163:A:SER:HB3	1:105:A:ALA:HB2	4	0.58
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	11	0.58
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	3	0.58
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD11	1	0.58
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	9	0.58
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	14	0.58
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	4	0.58
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	4	0.58
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	19	0.58
(1,1369)	1:119:A:PHE:HB3	1:119:A:PHE:HE1	20	0.58
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	11	0.58
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	16	0.58
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG21	2	0.58
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	9	0.58
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	14	0.58
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	2	0.58
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	12	0.58
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG3	13	0.58
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	8	0.58
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	14	0.58
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	16	0.58
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	19	0.58
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	5	0.58
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD11	12	0.58
(1,1199)	1:120:A:THR:H	1:119:A:PHE:HE1	20	0.58
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	5	0.58
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD23	13	0.58
(1,1176)	1:124:A:ALA:H	1:125:A:GLN:HE21	3	0.58
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	18	0.58
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	3	0.58
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	4	0.58
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	5	0.58
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	8	0.58
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	17	0.58
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	11	0.58
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	12	0.58
(1,1144)	1:143:A:GLY:H	1:142:A:LEU:HD11	1	0.58
(1,1119)	1:133:A:GLN:HE22	1:155:A:VAL:HG22	20	0.58
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	18	0.58
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	20	0.58
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	7	0.58
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	6	0.58
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	7	0.58
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	10	0.58
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	12	0.58
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	16	0.58
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	20	0.58
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	13	0.58
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	13	0.58
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD23	15	0.58
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD11	18	0.58
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	16	0.58
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	6	0.58
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	7	0.58
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	8	0.58
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	10	0.58
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	15	0.58
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	13	0.58
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	17	0.58
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD13	10	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	13	0.58
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	16	0.58
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD13	19	0.58
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	4	0.58
(1,810)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	5	0.58
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	7	0.58
(1,810)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	8	0.58
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	13	0.58
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	16	0.58
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	18	0.58
(1,790)	1:165:A:ALA:HB2	1:172:A:PRO:HA	6	0.58
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	9	0.58
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	10	0.58
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	12	0.58
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	13	0.58
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	16	0.58
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	2	0.58
(1,772)	1:151:A:ILE:HD11	1:141:A:SER:HA	9	0.58
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	12	0.58
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	5	0.58
(1,756)	1:151:A:ILE:HG22	1:130:A:ALA:HA	13	0.58
(1,730)	1:157:A:ALA:HB2	1:160:A:VAL:HG22	12	0.58
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG13	9	0.58
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	20	0.58
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	3	0.58
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	12	0.58
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG11	19	0.58
(1,723)	1:155:A:VAL:HG13	1:88:A:LEU:HA	4	0.58
(1,723)	1:155:A:VAL:HG13	1:88:A:LEU:HA	8	0.58
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	9	0.58
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	13	0.58
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	15	0.58
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	18	0.58
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD13	3	0.58
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD13	9	0.58
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	2	0.58
(1,693)	1:180:A:LEU:HD22	1:181:A:VAL:H	13	0.58
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG11	2	0.58
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB1	5	0.58
(1,652)	1:126:A:GLN:HG3	1:155:A:VAL:HG22	15	0.58
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	7	0.58
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	13	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG12	20	0.58
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	6	0.58
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG2	6	0.58
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	1	0.58
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	14	0.58
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	7	0.58
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG12	4	0.58
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG13	14	0.58
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE3	14	0.58
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	7	0.58
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	9	0.58
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	12	0.58
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	17	0.58
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	18	0.58
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	13	0.58
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	1	0.58
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	17	0.58
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD22	14	0.58
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	17	0.58
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	8	0.58
(1,420)	1:70:A:PRO:HG3	1:69:A:GLN:H	16	0.58
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	5	0.58
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	7	0.58
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB2	13	0.58
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB2	17	0.58
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	16	0.58
(1,310)	1:146:A:SER:HB2	1:149:A:ILE:HB	2	0.58
(1,307)	1:94:A:ASN:HB3	1:96:A:THR:HG21	20	0.58
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	19	0.58
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	7	0.58
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	13	0.58
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	10	0.58
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	4	0.58
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG13	2	0.58
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	14	0.58
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	1	0.58
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD13	4	0.58
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	2	0.58
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	13	0.58
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	19	0.58
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	9	0.58
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	16	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	10	0.57
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	15	0.57
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	7	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG21	6	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	13	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	15	0.57
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG21	20	0.57
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB1	3	0.57
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB1	5	0.57
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	1	0.57
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG12	5	0.57
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	9	0.57
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG12	10	0.57
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	15	0.57
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG12	20	0.57
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	12	0.57
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	13	0.57
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	5	0.57
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	12	0.57
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	19	0.57
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	1	0.57
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	3	0.57
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	5	0.57
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	11	0.57
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	12	0.57
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	12	0.57
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG22	13	0.57
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	3	0.57
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	16	0.57
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	7	0.57
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	17	0.57
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	3	0.57
(1,3827)	1:149:A:ILE:HG23	1:153:A:ARG:HE	14	0.57
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	15	0.57
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB2	4	0.57
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD13	14	0.57
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	4	0.57
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	6	0.57
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	8	0.57
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG13	15	0.57
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD2	2	0.57
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	5	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	6	0.57
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	12	0.57
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	14	0.57
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	16	0.57
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD13	5	0.57
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	12	0.57
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	17	0.57
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	20	0.57
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG21	4	0.57
(1,3518)	1:75:A:MET:HE3	1:87:A:LEU:HD11	5	0.57
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	2	0.57
(1,3484)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	14	0.57
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	16	0.57
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE2	16	0.57
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB3	4	0.57
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB1	6	0.57
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	13	0.57
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB1	17	0.57
(1,3438)	1:92:A:VAL:HG22	1:102:A:ALA:HB1	19	0.57
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	1	0.57
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	16	0.57
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG22	2	0.57
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG22	10	0.57
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	3	0.57
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	2	0.57
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	16	0.57
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	6	0.57
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	7	0.57
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	7	0.57
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	16	0.57
(1,3176)	1:121:A:LEU:HD21	1:119:A:PHE:HD2	10	0.57
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB1	6	0.57
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB1	17	0.57
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD12	11	0.57
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD13	12	0.57
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	16	0.57
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	20	0.57
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	4	0.57
(1,3032)	1:151:A:ILE:HB	1:148:A:ALA:HB3	12	0.57
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	8	0.57
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB1	9	0.57
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB3	16	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	20	0.57
(1,2882)	1:189:A:SER:HA	1:186:A:ILE:HG22	7	0.57
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	4	0.57
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	3	0.57
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	10	0.57
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	16	0.57
(1,2660)	1:174:A:LEU:HD11	1:68:A:MET:HE1	20	0.57
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	18	0.57
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	6	0.57
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	13	0.57
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	14	0.57
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE1	20	0.57
(1,2328)	1:196:A:GLN:HG3	1:60:A:ARG:HB2	5	0.57
(1,2328)	1:196:A:GLN:HG3	1:60:A:ARG:HB2	20	0.57
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	3	0.57
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD22	9	0.57
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD22	13	0.57
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	19	0.57
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	18	0.57
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	6	0.57
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	14	0.57
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	12	0.57
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	3	0.57
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG11	7	0.57
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	8	0.57
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	17	0.57
(1,1990)	1:184:A:GLY:HA2	1:145:A:ARG:HD3	18	0.57
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	7	0.57
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG21	9	0.57
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	12	0.57
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	17	0.57
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	5	0.57
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	5	0.57
(1,1640)	1:92:A:VAL:HA	1:105:A:ALA:HB1	2	0.57
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	3	0.57
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	6	0.57
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG22	11	0.57
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	3	0.57
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	10	0.57
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	6	0.57
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	7	0.57
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD11	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	13	0.57
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	18	0.57
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	15	0.57
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	18	0.57
(1,1324)	1:172:A:PRO:HD2	1:62:A:TYR:HE2	20	0.57
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	3	0.57
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	13	0.57
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG22	18	0.57
(1,1233)	1:126:A:GLN:HE22	1:127:A:LEU:HB2	16	0.57
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG12	15	0.57
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	7	0.57
(1,1217)	1:164:A:SER:H	1:162:A:TYR:HA	13	0.57
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD11	4	0.57
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	14	0.57
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD23	14	0.57
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	16	0.57
(1,1156)	1:179:A:MET:H	1:178:A:LEU:HB2	19	0.57
(1,1092)	1:76:A:LEU:H	1:76:A:LEU:HD13	2	0.57
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	3	0.57
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	8	0.57
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD22	16	0.57
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	4	0.57
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	15	0.57
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	2	0.57
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	19	0.57
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	10	0.57
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	16	0.57
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD11	12	0.57
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD21	8	0.57
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	10	0.57
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	4	0.57
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	9	0.57
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	14	0.57
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	17	0.57
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	6	0.57
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	10	0.57
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	1	0.57
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	2	0.57
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD23	2	0.57
(1,907)	1:162:A:TYR:H	1:160:A:VAL:HG22	4	0.57
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	5	0.57
(1,869)	1:127:A:LEU:HD12	1:122:A:VAL:H	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	9	0.57
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	3	0.57
(1,810)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	9	0.57
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	10	0.57
(1,810)	1:12:A:PRO:HB3	1:12:A:PRO:HG3	11	0.57
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	12	0.57
(1,810)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	15	0.57
(1,810)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	20	0.57
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	1	0.57
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB1	5	0.57
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	13	0.57
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG21	13	0.57
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	4	0.57
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	12	0.57
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	14	0.57
(1,756)	1:151:A:ILE:HG22	1:130:A:ALA:HA	17	0.57
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	18	0.57
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	13	0.57
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	12	0.57
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	6	0.57
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG11	9	0.57
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	14	0.57
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	2	0.57
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	14	0.57
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	14	0.57
(1,693)	1:180:A:LEU:HD21	1:181:A:VAL:H	4	0.57
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB3	13	0.57
(1,670)	1:92:A:VAL:HB	1:165:A:ALA:HB2	16	0.57
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG12	8	0.57
(1,630)	1:131:A:LYS:HE3	1:127:A:LEU:HA	10	0.57
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	4	0.57
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	18	0.57
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	6	0.57
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	8	0.57
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	13	0.57
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	3	0.57
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	1	0.57
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	12	0.57
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	17	0.57
(1,513)	1:138:A:PRO:HA	1:142:A:LEU:HD23	15	0.57
(1,512)	1:85:A:SER:HB3	1:87:A:LEU:HD21	19	0.57
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	11	0.57
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	12	0.57
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	19	0.57
(1,503)	1:189:A:SER:HB2	1:190:A:GLY:HA3	9	0.57
(1,496)	1:166:A:SER:HB2	1:95:A:ARG:HB2	8	0.57
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD13	15	0.57
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	16	0.57
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	5	0.57
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	15	0.57
(1,459)	1:178:A:LEU:HD23	1:180:A:LEU:HB2	5	0.57
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD21	11	0.57
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	18	0.57
(1,408)	1:48:A:HIS:H	1:48:A:HIS:HB3	3	0.57
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	8	0.57
(1,377)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	1	0.57
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	2	0.57
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	4	0.57
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	2	0.57
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	5	0.57
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	6	0.57
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	20	0.57
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	20	0.57
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	6	0.57
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	11	0.57
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	4	0.57
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	16	0.57
(1,48)	1:85:A:SER:HB2	1:76:A:LEU:HD23	20	0.57
(1,21)	1:108:A:THR:HB	1:109:A:LEU:HD11	20	0.57
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	2	0.57
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	20	0.57
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	10	0.57
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	16	0.57
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	20	0.57
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	5	0.57
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG12	7	0.57
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	1	0.57
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	10	0.57
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB3	5	0.56
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG21	14	0.56
(1,4899)	1:120:A:THR:H	1:87:A:LEU:HD13	8	0.56
(1,4887)	1:104:A:GLU:H	1:105:A:ALA:HB1	20	0.56
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	9	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	7	0.56
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	12	0.56
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG12	16	0.56
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	19	0.56
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG13	8	0.56
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG13	14	0.56
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	7	0.56
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	8	0.56
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	16	0.56
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	1	0.56
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	3	0.56
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	4	0.56
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	6	0.56
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	14	0.56
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	10	0.56
(1,3912)	1:113:A:LEU:HD22	1:161:A:LEU:HD13	4	0.56
(1,3912)	1:113:A:LEU:HD21	1:161:A:LEU:HD12	12	0.56
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	5	0.56
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	3	0.56
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	10	0.56
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	11	0.56
(1,3805)	1:142:A:LEU:HD23	1:162:A:TYR:HE1	20	0.56
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	18	0.56
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG12	11	0.56
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG12	12	0.56
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG11	13	0.56
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG11	18	0.56
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	9	0.56
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	17	0.56
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	19	0.56
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	20	0.56
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	12	0.56
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	7	0.56
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	8	0.56
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB3	5	0.56
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	12	0.56
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	14	0.56
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	19	0.56
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	1	0.56
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	6	0.56
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	13	0.56
(1,3406)	1:148:A:ALA:HB2	1:162:A:TYR:HD2	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	19	0.56
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	20	0.56
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG11	13	0.56
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG11	18	0.56
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	3	0.56
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	6	0.56
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	11	0.56
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	18	0.56
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	5	0.56
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	16	0.56
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	13	0.56
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	1	0.56
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	8	0.56
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	14	0.56
(1,3284)	1:66:A:GLY:H	1:67:A:ALA:HB2	4	0.56
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	8	0.56
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	12	0.56
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG23	17	0.56
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	18	0.56
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD12	19	0.56
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	11	0.56
(1,3176)	1:121:A:LEU:HD23	1:119:A:PHE:HD2	20	0.56
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD23	1	0.56
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD23	2	0.56
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	5	0.56
(1,3148)	1:174:A:LEU:HD21	1:174:A:LEU:H	4	0.56
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB3	3	0.56
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB2	9	0.56
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD23	2	0.56
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD22	9	0.56
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD22	17	0.56
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	5	0.56
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	2	0.56
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	20	0.56
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	4	0.56
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	8	0.56
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD12	16	0.56
(1,2943)	1:25:A:GLU:HA	1:25:A:GLU:HB3	15	0.56
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	4	0.56
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	1	0.56
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	2	0.56
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB1	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	14	0.56
(1,2683)	1:86:A:VAL:H	1:86:A:VAL:HG22	19	0.56
(1,2660)	1:174:A:LEU:HD11	1:68:A:MET:HE1	3	0.56
(1,2660)	1:174:A:LEU:HD11	1:68:A:MET:HE3	9	0.56
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB3	7	0.56
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB3	12	0.56
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	3	0.56
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	7	0.56
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	8	0.56
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	14	0.56
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD13	19	0.56
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG13	1	0.56
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG13	2	0.56
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG12	10	0.56
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG11	13	0.56
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG13	19	0.56
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	13	0.56
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	14	0.56
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	17	0.56
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	16	0.56
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	2	0.56
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	1	0.56
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	4	0.56
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	14	0.56
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	16	0.56
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	20	0.56
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	6	0.56
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	8	0.56
(1,1840)	1:112:A:ALA:HA	1:108:A:THR:HG22	18	0.56
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	10	0.56
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD21	11	0.56
(1,1751)	1:162:A:TYR:HA	1:160:A:VAL:HG22	4	0.56
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	9	0.56
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	10	0.56
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	8	0.56
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	1	0.56
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	12	0.56
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	9	0.56
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	16	0.56
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG23	6	0.56
(1,1253)	1:175:A:GLN:HE22	1:191:A:LYS:HG2	16	0.56
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG11	5	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	19	0.56
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	12	0.56
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	18	0.56
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	13	0.56
(1,1110)	1:73:A:SER:H	1:72:A:VAL:HG12	9	0.56
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	6	0.56
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	15	0.56
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	3	0.56
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	4	0.56
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD22	13	0.56
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	3	0.56
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	11	0.56
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	17	0.56
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	8	0.56
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB3	13	0.56
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	2	0.56
(1,1034)	1:185:A:GLU:H	1:180:A:LEU:HB2	8	0.56
(1,1014)	1:191:A:LYS:H	1:191:A:LYS:HE3	14	0.56
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	4	0.56
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD22	10	0.56
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	7	0.56
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	2	0.56
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	8	0.56
(1,950)	1:122:A:VAL:H	1:120:A:THR:HG22	15	0.56
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	3	0.56
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	14	0.56
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD13	1	0.56
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	14	0.56
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	2	0.56
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	7	0.56
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	16	0.56
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	19	0.56
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	13	0.56
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	16	0.56
(1,810)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	14	0.56
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	12	0.56
(1,790)	1:165:A:ALA:HB3	1:172:A:PRO:HA	4	0.56
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	18	0.56
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	13	0.56
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	7	0.56
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	4	0.56
(1,787)	1:134:A:LEU:HD13	1:150:A:GLY:H	7	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:134:A:LEU:HD11	1:150:A:GLY:H	10	0.56
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	2	0.56
(1,761)	1:75:A:MET:HE1	1:178:A:LEU:HG	15	0.56
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	1	0.56
(1,756)	1:151:A:ILE:HG22	1:130:A:ALA:HA	6	0.56
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	7	0.56
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	9	0.56
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	10	0.56
(1,745)	1:174:A:LEU:HD21	1:176:A:MET:HE1	20	0.56
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	1	0.56
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG13	2	0.56
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG13	15	0.56
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	6	0.56
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG11	9	0.56
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG11	15	0.56
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	4	0.56
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	8	0.56
(1,708)	1:108:A:THR:HG23	1:111:A:ASN:H	19	0.56
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	19	0.56
(1,693)	1:180:A:LEU:HD23	1:181:A:VAL:H	7	0.56
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	8	0.56
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD23	3	0.56
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG11	4	0.56
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB1	3	0.56
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	4	0.56
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	9	0.56
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	2	0.56
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	13	0.56
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	17	0.56
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	12	0.56
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	6	0.56
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	17	0.56
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	18	0.56
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	19	0.56
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	8	0.56
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	12	0.56
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	19	0.56
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	3	0.56
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD21	3	0.56
(1,453)	1:192:A:GLY:H	1:191:A:LYS:HG2	5	0.56
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	2	0.56
(1,377)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	7	0.56
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	13	0.56
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	16	0.56
(1,377)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	17	0.56
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	19	0.56
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	6	0.56
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	12	0.56
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	14	0.56
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	4	0.56
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	15	0.56
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	16	0.56
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	17	0.56
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	7	0.56
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE2	16	0.56
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	18	0.56
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD12	18	0.56
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB2	3	0.56
(1,203)	1:150:A:GLY:H	1:153:A:ARG:HD2	11	0.56
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	6	0.56
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	12	0.56
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	4	0.56
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	6	0.56
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	13	0.56
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG12	3	0.56
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	9	0.56
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	4	0.56
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD21	19	0.56
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	12	0.56
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	13	0.56
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	1	0.56
(1,37)	1:164:A:SER:HB2	1:95:A:ARG:HB2	7	0.56
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD11	17	0.56
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	3	0.56
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	15	0.56
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	8	0.56
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	1	0.56
(1,2)	1:62:A:TYR:HD2	1:194:A:VAL:HG11	19	0.56
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	8	0.56
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	19	0.55
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	20	0.55
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	3	0.55
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG22	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	6	0.55
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	3	0.55
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	4	0.55
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	6	0.55
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG12	14	0.55
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG13	18	0.55
(1,4765)	1:165:A:ALA:H	1:105:A:ALA:HB3	2	0.55
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	3	0.55
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	16	0.55
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	14	0.55
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	2	0.55
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	2	0.55
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	10	0.55
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	15	0.55
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	17	0.55
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	2	0.55
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	2	0.55
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	3	0.55
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG22	5	0.55
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	9	0.55
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	14	0.55
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	15	0.55
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	9	0.55
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	3	0.55
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	8	0.55
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	12	0.55
(1,3912)	1:113:A:LEU:HD23	1:161:A:LEU:HD11	17	0.55
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	15	0.55
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB2	11	0.55
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	16	0.55
(1,3647)	1:86:A:VAL:HG21	1:86:A:VAL:HG11	7	0.55
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG11	14	0.55
(1,3630)	1:174:A:LEU:HD11	1:64:A:TRP:HH2	20	0.55
(1,3627)	1:176:A:MET:HE3	1:188:A:TRP:HZ2	5	0.55
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	19	0.55
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	1	0.55
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	1	0.55
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	10	0.55
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	13	0.55
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD13	6	0.55
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	3	0.55
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	20	0.55
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	3	0.55
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB1	7	0.55
(1,3438)	1:92:A:VAL:HG21	1:102:A:ALA:HB2	8	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	3	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	4	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	5	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG22	6	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	9	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	11	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	13	0.55
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	20	0.55
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	19	0.55
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	3	0.55
(1,3392)	1:130:A:ALA:HB2	1:133:A:GLN:HG3	19	0.55
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG11	7	0.55
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG13	8	0.55
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	10	0.55
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	12	0.55
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	13	0.55
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG13	19	0.55
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	3	0.55
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	5	0.55
(1,3285)	1:67:A:ALA:HB3	1:64:A:TRP:H	19	0.55
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	6	0.55
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	4	0.55
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB2	16	0.55
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB3	20	0.55
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD21	3	0.55
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD21	5	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD13	4	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD12	9	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD12	10	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	18	0.55
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD12	19	0.55
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	5	0.55
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	17	0.55
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	1	0.55
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	5	0.55
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD13	8	0.55
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	5	0.55
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB2	11	0.55
(1,2916)	1:170:A:ASN:HA	1:171:A:ALA:HB1	19	0.55
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG21	13	0.55
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB3	16	0.55
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	19	0.55
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	20	0.55
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	11	0.55
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	12	0.55
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	16	0.55
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	14	0.55
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB1	9	0.55
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB2	14	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	1	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	2	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	5	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	6	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	9	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG12	18	0.55
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	20	0.55
(1,2609)	1:142:A:LEU:HD21	1:90:A:ASP:HB2	12	0.55
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	1	0.55
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG13	11	0.55
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG13	15	0.55
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG12	20	0.55
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE1	5	0.55
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	7	0.55
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	11	0.55
(1,2328)	1:196:A:GLN:HG3	1:60:A:ARG:HB2	19	0.55
(1,2176)	1:109:A:LEU:HB2	1:89:A:VAL:HG23	15	0.55
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	7	0.55
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	3	0.55
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	9	0.55
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	11	0.55
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG13	10	0.55
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG11	13	0.55
(1,2003)	1:80:A:GLY:HA2	1:81:A:VAL:HG12	18	0.55
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD22	1	0.55
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	15	0.55
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB2	10	0.55
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	12	0.55
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG22	17	0.55
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	11	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	18	0.55
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	3	0.55
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	5	0.55
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD13	12	0.55
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	15	0.55
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	20	0.55
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	14	0.55
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	12	0.55
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	17	0.55
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	4	0.55
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	8	0.55
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	15	0.55
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	17	0.55
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	8	0.55
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	9	0.55
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	10	0.55
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	13	0.55
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	11	0.55
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	3	0.55
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	11	0.55
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	20	0.55
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	15	0.55
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	14	0.55
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	14	0.55
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	17	0.55
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	13	0.55
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	5	0.55
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	20	0.55
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	5	0.55
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	8	0.55
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	5	0.55
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	1	0.55
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	3	0.55
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	14	0.55
(1,967)	1:75:A:MET:H	1:75:A:MET:HG2	19	0.55
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	4	0.55
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	5	0.55
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	12	0.55
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	3	0.55
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	13	0.55
(1,951)	1:187:A:ILE:H	1:159:A:TYR:HE2	5	0.55
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD21	15	0.55
(1,869)	1:127:A:LEU:HD11	1:122:A:VAL:H	10	0.55
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	9	0.55
(1,825)	1:147:A:LYS:HA	1:147:A:LYS:HD3	1	0.55
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	15	0.55
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	14	0.55
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	17	0.55
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	7	0.55
(1,772)	1:151:A:ILE:HD11	1:90:A:ASP:HA	20	0.55
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	2	0.55
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	3	0.55
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	10	0.55
(1,756)	1:151:A:ILE:HG22	1:130:A:ALA:HA	19	0.55
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB3	14	0.55
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	9	0.55
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	12	0.55
(1,753)	1:112:A:ALA:HB2	1:65:A:ASN:HB2	18	0.55
(1,745)	1:174:A:LEU:HD23	1:176:A:MET:HE3	14	0.55
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	11	0.55
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	16	0.55
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	3	0.55
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	17	0.55
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	7	0.55
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	13	0.55
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	16	0.55
(1,713)	1:67:A:ALA:HB2	1:71:A:MET:HE2	20	0.55
(1,708)	1:108:A:THR:HG22	1:111:A:ASN:H	8	0.55
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	17	0.55
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG13	19	0.55
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	4	0.55
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	12	0.55
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	14	0.55
(1,632)	1:81:A:VAL:HG22	1:118:A:LYS:HE2	15	0.55
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	15	0.55
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	7	0.55
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	1	0.55
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	3	0.55
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	14	0.55
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	1	0.55
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD22	8	0.55
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	11	0.55
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG13	20	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	1	0.55
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	6	0.55
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	9	0.55
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	19	0.55
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	4	0.55
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	1	0.55
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	7	0.55
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	9	0.55
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	18	0.55
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD13	3	0.55
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	8	0.55
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD22	14	0.55
(1,456)	1:100:A:LEU:HD11	1:62:A:TYR:HE2	19	0.55
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	20	0.55
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	4	0.55
(1,377)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	5	0.55
(1,377)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	8	0.55
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	12	0.55
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	18	0.55
(1,377)	1:12:A:PRO:HB2	1:12:A:PRO:HG2	20	0.55
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	2	0.55
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	20	0.55
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	10	0.55
(1,262)	1:191:A:LYS:HE3	1:192:A:GLY:HA2	11	0.55
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	2	0.55
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	14	0.55
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HG23	16	0.55
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD11	16	0.55
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD11	20	0.55
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	1	0.55
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	7	0.55
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	17	0.55
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG11	20	0.55
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	19	0.55
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	1	0.55
(1,102)	1:141:A:SER:HA	1:142:A:LEU:HD21	16	0.55
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	18	0.55
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB3	14	0.55
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD23	18	0.55
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD23	20	0.55
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	6	0.55
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	16	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	4	0.55
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	15	0.55
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	13	0.55
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	16	0.55
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	17	0.55
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	4	0.55
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	8	0.54
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	18	0.54
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG22	19	0.54
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	4	0.54
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	8	0.54
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG22	19	0.54
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG12	4	0.54
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	11	0.54
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	2	0.54
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	19	0.54
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	16	0.54
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	5	0.54
(1,4382)	1:65:A:ASN:H	1:68:A:MET:HE3	10	0.54
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	16	0.54
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	20	0.54
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	14	0.54
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	10	0.54
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	13	0.54
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD1	18	0.54
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD21	16	0.54
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	7	0.54
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	8	0.54
(1,3905)	1:103:A:ALA:HB1	1:106:A:THR:HG1	14	0.54
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	19	0.54
(1,3862)	1:129:A:MET:HG2	1:128:A:SER:HB3	5	0.54
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	1	0.54
(1,3765)	1:149:A:ILE:HG12	1:146:A:SER:HA	16	0.54
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	20	0.54
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	3	0.54
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	17	0.54
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG12	3	0.54
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD1	3	0.54
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD2	8	0.54
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	11	0.54
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	7	0.54
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	16	0.54
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	11	0.54
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	7	0.54
(1,3571)	1:130:A:ALA:HB1	1:151:A:ILE:HD12	17	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	3	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	7	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	9	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD22	11	0.54
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	19	0.54
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG21	7	0.54
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	1	0.54
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	7	0.54
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG21	17	0.54
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	18	0.54
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	9	0.54
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	10	0.54
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	20	0.54
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	11	0.54
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	13	0.54
(1,3356)	1:157:A:ALA:HB3	1:126:A:GLN:HE21	8	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG13	2	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	7	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	8	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG13	9	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	11	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	14	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG13	15	0.54
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	18	0.54
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	19	0.54
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	8	0.54
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	5	0.54
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	7	0.54
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG23	15	0.54
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	5	0.54
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	12	0.54
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	16	0.54
(1,3248)	1:108:A:THR:HG21	1:64:A:TRP:HA	17	0.54
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	15	0.54
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	4	0.54
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD22	20	0.54
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD22	11	0.54
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD23	12	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD21	16	0.54
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	6	0.54
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD13	8	0.54
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	14	0.54
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	15	0.54
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	19	0.54
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB1	7	0.54
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	2	0.54
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	9	0.54
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	18	0.54
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	6	0.54
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	9	0.54
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	18	0.54
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE3	15	0.54
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB2	5	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	10	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	11	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG12	12	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	13	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG12	15	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG11	16	0.54
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG12	19	0.54
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	2	0.54
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	8	0.54
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	4	0.54
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	8	0.54
(1,2484)	1:191:A:LYS:HD2	1:191:A:LYS:HB3	1	0.54
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	16	0.54
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	17	0.54
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	10	0.54
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG11	4	0.54
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD13	14	0.54
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	1	0.54
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	7	0.54
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	8	0.54
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG21	9	0.54
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG22	18	0.54
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	2	0.54
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	3	0.54
(1,1819)	1:191:A:LYS:HA	1:174:A:LEU:HD23	16	0.54
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB3	5	0.54
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB3	11	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	14	0.54
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB3	16	0.54
(1,1522)	1:163:A:SER:HB3	1:93:A:ASN:H	13	0.54
(1,1450)	1:144:A:THR:HB	1:147:A:LYS:HD3	15	0.54
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	7	0.54
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD12	16	0.54
(1,1431)	1:188:A:TRP:HD1	1:178:A:LEU:HD11	19	0.54
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	6	0.54
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	9	0.54
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	13	0.54
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	11	0.54
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	10	0.54
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	14	0.54
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	17	0.54
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG2	1	0.54
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD12	6	0.54
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD11	8	0.54
(1,1211)	1:106:A:THR:H	1:109:A:LEU:HD11	17	0.54
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	17	0.54
(1,1191)	1:160:A:VAL:H	1:178:A:LEU:HG	2	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	6	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	15	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	18	0.54
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD23	19	0.54
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	10	0.54
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	11	0.54
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	14	0.54
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	1	0.54
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	18	0.54
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	6	0.54
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	13	0.54
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	16	0.54
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	1	0.54
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD11	7	0.54
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	9	0.54
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	18	0.54
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	20	0.54
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD22	7	0.54
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD12	17	0.54
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	4	0.54
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	10	0.54
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG22	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	20	0.54
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	20	0.54
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	6	0.54
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	14	0.54
(1,868)	1:125:A:GLN:HB2	1:125:A:GLN:HA	3	0.54
(1,868)	1:125:A:GLN:HB2	1:125:A:GLN:HA	10	0.54
(1,868)	1:125:A:GLN:HB2	1:125:A:GLN:HA	20	0.54
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD12	2	0.54
(1,790)	1:165:A:ALA:HB1	1:172:A:PRO:HA	19	0.54
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	3	0.54
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	19	0.54
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	1	0.54
(1,787)	1:134:A:LEU:HD11	1:150:A:GLY:H	8	0.54
(1,785)	1:121:A:LEU:HD21	1:119:A:PHE:H	15	0.54
(1,745)	1:174:A:LEU:HD22	1:176:A:MET:HE3	2	0.54
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG11	2	0.54
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	5	0.54
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	12	0.54
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	14	0.54
(1,715)	1:92:A:VAL:HG23	1:109:A:LEU:HA	20	0.54
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	20	0.54
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	8	0.54
(1,693)	1:180:A:LEU:HD22	1:181:A:VAL:H	11	0.54
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	11	0.54
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG12	6	0.54
(1,651)	1:125:A:GLN:HG3	1:124:A:ALA:HB1	6	0.54
(1,641)	1:170:A:ASN:HB3	1:169:A:VAL:HG13	1	0.54
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	12	0.54
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	18	0.54
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	19	0.54
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	2	0.54
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	5	0.54
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD22	17	0.54
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	7	0.54
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	8	0.54
(1,526)	1:173:A:THR:HA	1:191:A:LYS:HB2	14	0.54
(1,512)	1:85:A:SER:HB2	1:87:A:LEU:HD22	8	0.54
(1,508)	1:85:A:SER:HB2	1:86:A:VAL:HA	5	0.54
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	8	0.54
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	11	0.54
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	14	0.54
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	16	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD12	4	0.54
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	3	0.54
(1,377)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	9	0.54
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	10	0.54
(1,377)	1:12:A:PRO:HB3	1:12:A:PRO:HG3	11	0.54
(1,377)	1:43:A:PRO:HB3	1:43:A:PRO:HG3	15	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	8	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	9	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	10	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	16	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	18	0.54
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	20	0.54
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	10	0.54
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	17	0.54
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	3	0.54
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	8	0.54
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	9	0.54
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	13	0.54
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	11	0.54
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	18	0.54
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	3	0.54
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	5	0.54
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	13	0.54
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	20	0.54
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	9	0.54
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG13	3	0.54
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG11	8	0.54
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	10	0.54
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG11	14	0.54
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG13	15	0.54
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	19	0.54
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	1	0.54
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	7	0.54
(1,144)	1:174:A:LEU:HA	1:71:A:MET:HE1	20	0.54
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	15	0.54
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	20	0.54
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	1	0.54
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD23	15	0.54
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	5	0.54
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	14	0.54
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	3	0.54
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	5	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	20	0.53
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	9	0.53
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	18	0.53
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	5	0.53
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	17	0.53
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	7	0.53
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	12	0.53
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	15	0.53
(1,4542)	1:73:A:SER:H	1:73:A:SER:HB2	13	0.53
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	1	0.53
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	15	0.53
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	8	0.53
(1,4373)	1:134:A:LEU:H	1:133:A:GLN:HB3	18	0.53
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	4	0.53
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	8	0.53
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG22	18	0.53
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	9	0.53
(1,3910)	1:113:A:LEU:HD23	1:109:A:LEU:HD22	10	0.53
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD23	13	0.53
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	3	0.53
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	9	0.53
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	13	0.53
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	16	0.53
(1,3864)	1:183:A:THR:HG23	1:185:A:GLU:H	18	0.53
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	12	0.53
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	16	0.53
(1,3858)	1:48:A:HIS:HB3	1:48:A:HIS:HA	6	0.53
(1,3791)	1:109:A:LEU:HD22	1:105:A:ALA:HB3	2	0.53
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	1	0.53
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD13	7	0.53
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	20	0.53
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	3	0.53
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	16	0.53
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG13	4	0.53
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	3	0.53
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	15	0.53
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG12	9	0.53
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD2	6	0.53
(1,3643)	1:180:A:LEU:HD13	1:159:A:TYR:HD1	12	0.53
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	2	0.53
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	10	0.53
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	8	0.53
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	13	0.53
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	2	0.53
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	3	0.53
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	4	0.53
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	7	0.53
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	14	0.53
(1,3578)	1:149:A:ILE:HD11	1:162:A:TYR:HE2	3	0.53
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	4	0.53
(1,3557)	1:187:A:ILE:HD13	1:78:A:ALA:HA	4	0.53
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB1	20	0.53
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG21	13	0.53
(1,3438)	1:92:A:VAL:HG23	1:102:A:ALA:HB2	18	0.53
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	8	0.53
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	14	0.53
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	6	0.53
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD22	10	0.53
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD22	15	0.53
(1,3419)	1:180:A:LEU:HB3	1:187:A:ILE:HG23	20	0.53
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	15	0.53
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	7	0.53
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	1	0.53
(1,3392)	1:130:A:ALA:HB2	1:133:A:GLN:HG3	11	0.53
(1,3392)	1:130:A:ALA:HB2	1:133:A:GLN:HG3	17	0.53
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	20	0.53
(1,3356)	1:157:A:ALA:HB3	1:126:A:GLN:HE21	16	0.53
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	5	0.53
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG12	17	0.53
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	12	0.53
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	6	0.53
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	2	0.53
(1,3300)	1:193:A:ALA:HB2	1:174:A:LEU:H	6	0.53
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	9	0.53
(1,3300)	1:193:A:ALA:HB2	1:174:A:LEU:H	17	0.53
(1,3300)	1:193:A:ALA:HB2	1:174:A:LEU:H	18	0.53
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	3	0.53
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	4	0.53
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	13	0.53
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG23	19	0.53
(1,3248)	1:108:A:THR:HG21	1:64:A:TRP:HA	3	0.53
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	4	0.53
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	11	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	18	0.53
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	12	0.53
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	3	0.53
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	8	0.53
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD21	14	0.53
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	1	0.53
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	2	0.53
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD12	3	0.53
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD13	13	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	6	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	8	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	9	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	12	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	14	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	18	0.53
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	19	0.53
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	1	0.53
(1,3036)	1:101:A:ASN:HB2	1:104:A:GLU:HG2	1	0.53
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	13	0.53
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD12	14	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	1	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	2	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	3	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB3	5	0.53
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	13	0.53
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	1	0.53
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	12	0.53
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB2	1	0.53
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	7	0.53
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	14	0.53
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	18	0.53
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE1	2	0.53
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE1	11	0.53
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE3	19	0.53
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB3	6	0.53
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB3	8	0.53
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB1	15	0.53
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB2	20	0.53
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG12	4	0.53
(1,2616)	1:181:A:VAL:HA	1:181:A:VAL:HG13	17	0.53
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	1	0.53
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	4	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	10	0.53
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	11	0.53
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	13	0.53
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	10	0.53
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	12	0.53
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	10	0.53
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	4	0.53
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG23	12	0.53
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	7	0.53
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	13	0.53
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	5	0.53
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	7	0.53
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	10	0.53
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	18	0.53
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	1	0.53
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	1	0.53
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	13	0.53
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	1	0.53
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	6	0.53
(1,1298)	1:85:A:SER:HB3	1:119:A:PHE:HE1	2	0.53
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	5	0.53
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	7	0.53
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	17	0.53
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	19	0.53
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	1	0.53
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	3	0.53
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	8	0.53
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	17	0.53
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	5	0.53
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	2	0.53
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	8	0.53
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	14	0.53
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	5	0.53
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	8	0.53
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	9	0.53
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	16	0.53
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	11	0.53
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	19	0.53
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD22	9	0.53
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	6	0.53
(1,1043)	1:113:A:LEU:H	1:111:A:ASN:HB3	12	0.53
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD11	6	0.53
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	2	0.53
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	6	0.53
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	13	0.53
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG22	6	0.53
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	9	0.53
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD13	12	0.53
(1,905)	1:162:A:TYR:H	1:179:A:MET:HB2	10	0.53
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD13	11	0.53
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG21	4	0.53
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	19	0.53
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	11	0.53
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	20	0.53
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	4	0.53
(1,756)	1:151:A:ILE:HG21	1:130:A:ALA:HA	15	0.53
(1,756)	1:151:A:ILE:HG23	1:130:A:ALA:HA	20	0.53
(1,745)	1:174:A:LEU:HD21	1:176:A:MET:HE3	10	0.53
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	14	0.53
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	4	0.53
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	20	0.53
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	4	0.53
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	17	0.53
(1,688)	1:88:A:LEU:HB2	1:181:A:VAL:HG11	11	0.53
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	16	0.53
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG13	1	0.53
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG12	9	0.53
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	1	0.53
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	20	0.53
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	1	0.53
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	6	0.53
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	7	0.53
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	10	0.53
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	18	0.53
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	2	0.53
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	12	0.53
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	6	0.53
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	9	0.53
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	10	0.53
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE3	10	0.53
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	16	0.53
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD22	14	0.53
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD22	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	5	0.53
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	10	0.53
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	18	0.53
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	19	0.53
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	13	0.53
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	18	0.53
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	4	0.53
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	5	0.53
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	9	0.53
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD23	2	0.53
(1,464)	1:111:A:ASN:H	1:113:A:LEU:HD21	17	0.53
(1,459)	1:178:A:LEU:HD23	1:180:A:LEU:HB2	16	0.53
(1,458)	1:162:A:TYR:H	1:178:A:LEU:HD23	15	0.53
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	14	0.53
(1,437)	1:178:A:LEU:HD11	1:188:A:TRP:HA	11	0.53
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	12	0.53
(1,377)	1:37:A:PRO:HB3	1:37:A:PRO:HG3	14	0.53
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB1	4	0.53
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	2	0.53
(1,350)	1:68:A:MET:HB3	1:113:A:LEU:HA	20	0.53
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	15	0.53
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	11	0.53
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	14	0.53
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	7	0.53
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	15	0.53
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	4	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG11	2	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG13	5	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	6	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	11	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	13	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	16	0.53
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG11	18	0.53
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG12	4	0.53
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG12	5	0.53
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	7	0.53
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	12	0.53
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	10	0.53
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG13	2	0.53
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	4	0.53
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	15	0.53
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	17	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	17	0.53
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	2	0.53
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD22	6	0.53
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD22	17	0.53
(1,16)	1:173:A:THR:HB	1:175:A:GLN:HB3	11	0.53
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	5	0.53
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	11	0.53
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	4	0.53
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	6	0.53
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	4	0.52
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	12	0.52
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	17	0.52
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG21	4	0.52
(1,4884)	1:191:A:LYS:H	1:173:A:THR:HG23	14	0.52
(1,4792)	1:64:A:TRP:H	1:194:A:VAL:HG11	17	0.52
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB1	14	0.52
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	9	0.52
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	14	0.52
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD23	9	0.52
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD21	14	0.52
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	13	0.52
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	13	0.52
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	4	0.52
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	5	0.52
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	6	0.52
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD21	1	0.52
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD22	11	0.52
(1,3910)	1:113:A:LEU:HD23	1:109:A:LEU:HD23	17	0.52
(1,3861)	1:128:A:SER:HB2	1:138:A:PRO:HB2	5	0.52
(1,3858)	1:48:A:HIS:HB3	1:48:A:HIS:HA	19	0.52
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	18	0.52
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	16	0.52
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	2	0.52
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	7	0.52
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	11	0.52
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	20	0.52
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	1	0.52
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	19	0.52
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG11	5	0.52
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD1	10	0.52
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	2	0.52
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	11	0.52
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	15	0.52
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	1	0.52
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	12	0.52
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	18	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	6	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	9	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	10	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	13	0.52
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	20	0.52
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	15	0.52
(1,3578)	1:149:A:ILE:HD13	1:162:A:TYR:HE2	18	0.52
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD12	8	0.52
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	5	0.52
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	8	0.52
(1,3559)	1:187:A:ILE:HD13	1:159:A:TYR:HA	15	0.52
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD11	4	0.52
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG21	19	0.52
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB3	18	0.52
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	2	0.52
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	10	0.52
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	6	0.52
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD21	2	0.52
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	14	0.52
(1,3414)	1:188:A:TRP:H	1:187:A:ILE:HG23	12	0.52
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	9	0.52
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	14	0.52
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	6	0.52
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	7	0.52
(1,3392)	1:130:A:ALA:HB2	1:133:A:GLN:HG3	13	0.52
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	1	0.52
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	14	0.52
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	16	0.52
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	19	0.52
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	1	0.52
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	4	0.52
(1,3337)	1:164:A:SER:HB2	1:92:A:VAL:HG11	20	0.52
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	2	0.52
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	10	0.52
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	15	0.52
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	12	0.52
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	9	0.52
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	20	0.52
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	9	0.52
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	2	0.52
(1,3213)	1:88:A:LEU:HD13	1:90:A:ASP:HB3	6	0.52
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	6	0.52
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	20	0.52
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	13	0.52
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	14	0.52
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	3	0.52
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	7	0.52
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	10	0.52
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	17	0.52
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	20	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	1	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	2	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	3	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	4	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	5	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	6	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	7	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	11	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	13	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	14	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	15	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	17	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	18	0.52
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	20	0.52
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	8	0.52
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	20	0.52
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	1	0.52
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	3	0.52
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	6	0.52
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	12	0.52
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD12	17	0.52
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	7	0.52
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	14	0.52
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB1	17	0.52
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	19	0.52
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	1	0.52
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	15	0.52
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE1	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE1	5	0.52
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE3	17	0.52
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB1	19	0.52
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	12	0.52
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	16	0.52
(1,2596)	1:100:A:LEU:HD22	1:100:A:LEU:HA	8	0.52
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	13	0.52
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	18	0.52
(1,2581)	1:109:A:LEU:H	1:109:A:LEU:HD22	20	0.52
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD11	2	0.52
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG12	14	0.52
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	2	0.52
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	3	0.52
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	14	0.52
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	16	0.52
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	3	0.52
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	8	0.52
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	17	0.52
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	10	0.52
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	7	0.52
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	19	0.52
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	2	0.52
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	4	0.52
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD11	8	0.52
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	9	0.52
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	6	0.52
(1,1522)	1:163:A:SER:HB3	1:93:A:ASN:H	7	0.52
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	6	0.52
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	7	0.52
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	9	0.52
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	5	0.52
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB3	4	0.52
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	15	0.52
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	1	0.52
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	18	0.52
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	13	0.52
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	15	0.52
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	5	0.52
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	4	0.52
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	6	0.52
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	16	0.52
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	3	0.52
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	7	0.52
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	9	0.52
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	13	0.52
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	15	0.52
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	4	0.52
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	2	0.52
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	6	0.52
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD12	10	0.52
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	4	0.52
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	11	0.52
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD22	4	0.52
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	11	0.52
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG22	13	0.52
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	15	0.52
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG22	17	0.52
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	18	0.52
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	16	0.52
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD13	4	0.52
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	3	0.52
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	9	0.52
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	11	0.52
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	20	0.52
(1,753)	1:112:A:ALA:HB1	1:65:A:ASN:HB2	16	0.52
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	3	0.52
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	7	0.52
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	13	0.52
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	10	0.52
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	5	0.52
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	7	0.52
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	11	0.52
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	16	0.52
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	10	0.52
(1,691)	1:88:A:LEU:HD13	1:88:A:LEU:H	11	0.52
(1,691)	1:88:A:LEU:HD13	1:88:A:LEU:H	13	0.52
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	14	0.52
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	5	0.52
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	2	0.52
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	4	0.52
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	8	0.52
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	11	0.52
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB3	16	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	17	0.52
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	11	0.52
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	19	0.52
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	2	0.52
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE3	3	0.52
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	5	0.52
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	2	0.52
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	9	0.52
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	11	0.52
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	16	0.52
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	20	0.52
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	3	0.52
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	10	0.52
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	15	0.52
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	6	0.52
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	9	0.52
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD11	2	0.52
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	4	0.52
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	16	0.52
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	17	0.52
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	18	0.52
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	1	0.52
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	13	0.52
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	5	0.52
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	19	0.52
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	12	0.52
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG11	7	0.52
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	11	0.52
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	1	0.52
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	11	0.52
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	5	0.52
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	7	0.52
(1,262)	1:191:A:LYS:HE3	1:192:A:GLY:HA2	5	0.52
(1,243)	1:74:A:LYS:HE2	1:74:A:LYS:HB3	6	0.52
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	9	0.52
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG12	19	0.52
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	19	0.52
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	10	0.52
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	1	0.52
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB3	16	0.52
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	18	0.52
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	8	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	18	0.52
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	19	0.52
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB3	15	0.52
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	17	0.52
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD12	13	0.51
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	13	0.51
(1,4790)	1:47:A:GLU:H	1:46:A:ILE:HG13	8	0.51
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	13	0.51
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB3	8	0.51
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	9	0.51
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB3	11	0.51
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB1	17	0.51
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	7	0.51
(1,4566)	1:182:A:GLN:HE22	1:182:A:GLN:HG2	19	0.51
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	8	0.51
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	18	0.51
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	8	0.51
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	11	0.51
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	13	0.51
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	18	0.51
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	19	0.51
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	10	0.51
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	10	0.51
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	1	0.51
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	11	0.51
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	12	0.51
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	11	0.51
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	14	0.51
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	1	0.51
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	20	0.51
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD21	3	0.51
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD22	5	0.51
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD21	9	0.51
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD23	14	0.51
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	1	0.51
(1,3905)	1:103:A:ALA:HB1	1:106:A:THR:HG1	6	0.51
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	13	0.51
(1,3809)	1:87:A:LEU:HD21	1:119:A:PHE:HD1	1	0.51
(1,3791)	1:109:A:LEU:HD23	1:105:A:ALA:HB1	1	0.51
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD13	16	0.51
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	19	0.51
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	5	0.51
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	10	0.51
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	14	0.51
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	15	0.51
(1,3689)	1:186:A:ILE:HD12	1:162:A:TYR:HE2	11	0.51
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	12	0.51
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG11	20	0.51
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	17	0.51
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	1	0.51
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	5	0.51
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	5	0.51
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	15	0.51
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	17	0.51
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	18	0.51
(1,3571)	1:130:A:ALA:HB2	1:151:A:ILE:HD11	16	0.51
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD12	14	0.51
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	6	0.51
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD12	8	0.51
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG21	8	0.51
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	18	0.51
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	5	0.51
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB2	4	0.51
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB2	5	0.51
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	9	0.51
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB2	16	0.51
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	19	0.51
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD22	12	0.51
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	3	0.51
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	6	0.51
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	14	0.51
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	15	0.51
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	18	0.51
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	18	0.51
(1,3356)	1:157:A:ALA:HB3	1:126:A:GLN:HE21	5	0.51
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	15	0.51
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	20	0.51
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	2	0.51
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	13	0.51
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	18	0.51
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	17	0.51
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	4	0.51
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	5	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	16	0.51
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	19	0.51
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	10	0.51
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG23	11	0.51
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	14	0.51
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG23	16	0.51
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG23	18	0.51
(1,3271)	1:92:A:VAL:HG22	1:109:A:LEU:HD11	20	0.51
(1,3213)	1:88:A:LEU:HD11	1:90:A:ASP:HB3	14	0.51
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD12	10	0.51
(1,3148)	1:174:A:LEU:HD22	1:174:A:LEU:H	20	0.51
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD21	18	0.51
(1,3135)	1:109:A:LEU:HA	1:109:A:LEU:HD11	7	0.51
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	2	0.51
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	4	0.51
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	13	0.51
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	8	0.51
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	9	0.51
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	10	0.51
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	12	0.51
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	16	0.51
(1,3061)	1:133:A:GLN:HB3	1:133:A:GLN:HG3	19	0.51
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	2	0.51
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB1	3	0.51
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	15	0.51
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD12	15	0.51
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	17	0.51
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	11	0.51
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB3	4	0.51
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	8	0.51
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG22	14	0.51
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB3	7	0.51
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	6	0.51
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	8	0.51
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG22	9	0.51
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	13	0.51
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	20	0.51
(1,2660)	1:174:A:LEU:HD13	1:68:A:MET:HE1	1	0.51
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE1	10	0.51
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD23	13	0.51
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	19	0.51
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	6	0.51
(1,2596)	1:100:A:LEU:HD22	1:100:A:LEU:HA	12	0.51
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	14	0.51
(1,2596)	1:100:A:LEU:HD21	1:100:A:LEU:HA	16	0.51
(1,2596)	1:100:A:LEU:HD22	1:100:A:LEU:HA	17	0.51
(1,2596)	1:100:A:LEU:HD22	1:100:A:LEU:HA	20	0.51
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	5	0.51
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	7	0.51
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	17	0.51
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	19	0.51
(1,2556)	1:89:A:VAL:HA	1:113:A:LEU:HD12	5	0.51
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG12	5	0.51
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	13	0.51
(1,2484)	1:191:A:LYS:HD2	1:191:A:LYS:HB3	14	0.51
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	1	0.51
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	11	0.51
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	15	0.51
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	16	0.51
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG21	14	0.51
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	19	0.51
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	1	0.51
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	14	0.51
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	19	0.51
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	2	0.51
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	6	0.51
(1,2145)	1:131:A:LYS:HE2	1:127:A:LEU:HD21	16	0.51
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	12	0.51
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	18	0.51
(1,2006)	1:192:A:GLY:HA3	1:173:A:THR:HG21	4	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD11	1	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	5	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	7	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD11	10	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	12	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	13	0.51
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	14	0.51
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	20	0.51
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB3	11	0.51
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB2	13	0.51
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	7	0.51
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	13	0.51
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	2	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	3	0.51
(1,1412)	1:113:A:LEU:HD11	1:119:A:PHE:HE2	11	0.51
(1,1298)	1:85:A:SER:HB3	1:119:A:PHE:HE1	20	0.51
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	13	0.51
(1,1272)	1:5:A:VAL:H	1:5:A:VAL:HG12	19	0.51
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG2	12	0.51
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	6	0.51
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	13	0.51
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	20	0.51
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	4	0.51
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD23	5	0.51
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	7	0.51
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	20	0.51
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	3	0.51
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	20	0.51
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	7	0.51
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	3	0.51
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	3	0.51
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	9	0.51
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	17	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	4	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	6	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	8	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	10	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	12	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	14	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	17	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	18	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	19	0.51
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	20	0.51
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	7	0.51
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	16	0.51
(1,1106)	1:144:A:THR:H	1:142:A:LEU:HD11	7	0.51
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG13	13	0.51
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	17	0.51
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD22	5	0.51
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	1	0.51
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	14	0.51
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	10	0.51
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	9	0.51
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD22	10	0.51
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD11	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	1	0.51
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	3	0.51
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG23	14	0.51
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	2	0.51
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	18	0.51
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	18	0.51
(1,907)	1:162:A:TYR:H	1:87:A:LEU:HD22	11	0.51
(1,869)	1:127:A:LEU:HD11	1:122:A:VAL:H	5	0.51
(1,869)	1:127:A:LEU:HD12	1:129:A:MET:H	8	0.51
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	1	0.51
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	8	0.51
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG21	2	0.51
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG21	9	0.51
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	18	0.51
(1,784)	1:121:A:LEU:HD21	1:120:A:THR:H	12	0.51
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	2	0.51
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	2	0.51
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG23	10	0.51
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	10	0.51
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB2	16	0.51
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	5	0.51
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	6	0.51
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG13	19	0.51
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	1	0.51
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	2	0.51
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	3	0.51
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	6	0.51
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	10	0.51
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	16	0.51
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	18	0.51
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	17	0.51
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD21	5	0.51
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG2	18	0.51
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	20	0.51
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	9	0.51
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	13	0.51
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	15	0.51
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	20	0.51
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	17	0.51
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	14	0.51
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	15	0.51
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	4	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE3	11	0.51
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	2	0.51
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	8	0.51
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	15	0.51
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	20	0.51
(1,512)	1:85:A:SER:HB2	1:87:A:LEU:HD21	2	0.51
(1,512)	1:85:A:SER:HB2	1:87:A:LEU:HD23	20	0.51
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	2	0.51
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	4	0.51
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	17	0.51
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	17	0.51
(1,466)	1:72:A:VAL:HG21	1:69:A:GLN:HA	9	0.51
(1,466)	1:72:A:VAL:HG21	1:68:A:MET:HA	16	0.51
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	2	0.51
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	14	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	1	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	6	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	7	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	9	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	19	0.51
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	20	0.51
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB2	19	0.51
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	5	0.51
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	13	0.51
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	2	0.51
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	4	0.51
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	17	0.51
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG13	4	0.51
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	9	0.51
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	8	0.51
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG12	12	0.51
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	17	0.51
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	6	0.51
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	1	0.51
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	3	0.51
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	19	0.51
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	19	0.51
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	6	0.51
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	8	0.51
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	9	0.51
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	10	0.51
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB3	20	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	12	0.51
(1,61)	1:141:A:SER:HB3	1:142:A:LEU:HD22	12	0.51
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	13	0.51
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	18	0.51
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	5	0.51
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	9	0.51
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	13	0.51
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	6	0.51
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	9	0.51
(1,24)	1:163:A:SER:HB3	1:106:A:THR:HG23	7	0.51
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	19	0.51
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	1	0.51
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	6	0.51
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	14	0.51
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	17	0.51
(1,5077)	1:117:A:GLY:H	1:114:A:ALA:HB1	17	0.5
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	17	0.5
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	19	0.5
(1,4924)	1:65:A:ASN:H	1:194:A:VAL:HG23	4	0.5
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	13	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	3	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	5	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB3	7	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	10	0.5
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	19	0.5
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	5	0.5
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD22	7	0.5
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	11	0.5
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	15	0.5
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	17	0.5
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	15	0.5
(1,4112)	1:147:A:LYS:H	1:146:A:SER:HB3	16	0.5
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD21	2	0.5
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD23	6	0.5
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD23	7	0.5
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD22	15	0.5
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD21	19	0.5
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	10	0.5
(1,3905)	1:103:A:ALA:HB1	1:106:A:THR:HG1	17	0.5
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	7	0.5
(1,3858)	1:48:A:HIS:HB3	1:48:A:HIS:HA	5	0.5
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	6	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3791)	1:109:A:LEU:HD21	1:105:A:ALA:HB2	10	0.5
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	13	0.5
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	18	0.5
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	6	0.5
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	13	0.5
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	6	0.5
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	20	0.5
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG12	8	0.5
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	12	0.5
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	4	0.5
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	6	0.5
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	1	0.5
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD11	8	0.5
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	16	0.5
(1,3578)	1:149:A:ILE:HD12	1:162:A:TYR:HE2	11	0.5
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	17	0.5
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB1	5	0.5
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	7	0.5
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	9	0.5
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	12	0.5
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	11	0.5
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	15	0.5
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	13	0.5
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	5	0.5
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	8	0.5
(1,3392)	1:130:A:ALA:HB2	1:133:A:GLN:HG3	15	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	3	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	5	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	7	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	9	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	10	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	12	0.5
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	15	0.5
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	6	0.5
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	5	0.5
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	7	0.5
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	3	0.5
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	3	0.5
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	7	0.5
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	9	0.5
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	14	0.5
(1,3300)	1:193:A:ALA:HB2	1:174:A:LEU:H	1	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	12	0.5
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	13	0.5
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	15	0.5
(1,3285)	1:67:A:ALA:HB3	1:64:A:TRP:H	11	0.5
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	18	0.5
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG22	20	0.5
(1,3248)	1:108:A:THR:HG21	1:64:A:TRP:HA	6	0.5
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	8	0.5
(1,3248)	1:108:A:THR:HG21	1:64:A:TRP:HA	10	0.5
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	15	0.5
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	20	0.5
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	18	0.5
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	14	0.5
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	17	0.5
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	18	0.5
(1,3176)	1:121:A:LEU:HD21	1:119:A:PHE:HD2	12	0.5
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	2	0.5
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	7	0.5
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB1	13	0.5
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD22	6	0.5
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD21	7	0.5
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	5	0.5
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD11	10	0.5
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	5	0.5
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	6	0.5
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	9	0.5
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	14	0.5
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	19	0.5
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG23	9	0.5
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	12	0.5
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	15	0.5
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	13	0.5
(1,2756)	1:163:A:SER:HB2	1:176:A:MET:HG3	7	0.5
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG22	20	0.5
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	1	0.5
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	5	0.5
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	12	0.5
(1,2630)	1:100:A:LEU:HD12	1:105:A:ALA:HB2	3	0.5
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD21	5	0.5
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD12	7	0.5
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	9	0.5
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	20	0.5
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	7	0.5
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	9	0.5
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	15	0.5
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	6	0.5
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	10	0.5
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	12	0.5
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	15	0.5
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	20	0.5
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD13	19	0.5
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	17	0.5
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	11	0.5
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	5	0.5
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	19	0.5
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD22	14	0.5
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	1	0.5
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	9	0.5
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD11	11	0.5
(1,2035)	1:190:A:GLY:HA3	1:71:A:MET:HE3	19	0.5
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	13	0.5
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	14	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	3	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD13	6	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD11	11	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	15	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	17	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	18	0.5
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD11	19	0.5
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	8	0.5
(1,1667)	1:46:A:ILE:HA	1:46:A:ILE:HG13	15	0.5
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB2	8	0.5
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	3	0.5
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	7	0.5
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	19	0.5
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	17	0.5
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	2	0.5
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	6	0.5
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG21	19	0.5
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	20	0.5
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	9	0.5
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	11	0.5
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	13	0.5
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD22	11	0.5
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	2	0.5
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	6	0.5
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	16	0.5
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG23	9	0.5
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	5	0.5
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	9	0.5
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	20	0.5
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	7	0.5
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	14	0.5
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	18	0.5
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	19	0.5
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	15	0.5
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	19	0.5
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	1	0.5
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	5	0.5
(1,1126)	1:155:A:VAL:H	1:153:A:ARG:HB2	16	0.5
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	13	0.5
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	6	0.5
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	3	0.5
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	11	0.5
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD11	11	0.5
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD21	18	0.5
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	6	0.5
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	7	0.5
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	17	0.5
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	9	0.5
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	19	0.5
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG22	11	0.5
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	1	0.5
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	8	0.5
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	6	0.5
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	15	0.5
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	19	0.5
(1,852)	1:187:A:ILE:HB	1:178:A:LEU:HD11	8	0.5
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	15	0.5
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	18	0.5
(1,785)	1:121:A:LEU:HD23	1:119:A:PHE:H	20	0.5
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	6	0.5
(1,772)	1:151:A:ILE:HD12	1:90:A:ASP:HA	8	0.5
(1,770)	1:151:A:ILE:HD11	1:154:A:ASN:HD21	16	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,759)	1:61:A:HIS:H	1:59:A:ILE:HG22	1	0.5
(1,754)	1:112:A:ALA:HB1	1:69:A:GLN:HB2	15	0.5
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	18	0.5
(1,753)	1:112:A:ALA:HB3	1:65:A:ASN:HB2	5	0.5
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	10	0.5
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG11	19	0.5
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	8	0.5
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	9	0.5
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	14	0.5
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	15	0.5
(1,709)	1:181:A:VAL:HG23	1:152:A:ALA:H	18	0.5
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	1	0.5
(1,691)	1:88:A:LEU:HD13	1:88:A:LEU:H	15	0.5
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG13	8	0.5
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG12	12	0.5
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG12	18	0.5
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	3	0.5
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG21	5	0.5
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG22	14	0.5
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	16	0.5
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	19	0.5
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD22	20	0.5
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	12	0.5
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	13	0.5
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	18	0.5
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	6	0.5
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	14	0.5
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	18	0.5
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	6	0.5
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	20	0.5
(1,502)	1:189:A:SER:HB2	1:175:A:GLN:HA	12	0.5
(1,479)	1:144:A:THR:HB	1:136:A:LEU:HD13	11	0.5
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	12	0.5
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	9	0.5
(1,431)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	1	0.5
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	8	0.5
(1,431)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	11	0.5
(1,431)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	13	0.5
(1,431)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	19	0.5
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	11	0.5
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	5	0.5
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	17	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	4	0.5
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	13	0.5
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	18	0.5
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	6	0.5
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	16	0.5
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	12	0.5
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	15	0.5
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD13	6	0.5
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD12	17	0.5
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB3	5	0.5
(1,181)	1:98:A:GLY:HA2	1:169:A:VAL:HG13	12	0.5
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	17	0.5
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	1	0.5
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	7	0.5
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	1	0.5
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	12	0.5
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	17	0.5
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	20	0.5
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	18	0.5
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	2	0.5
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	12	0.5
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	9	0.5
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	6	0.5
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	9	0.5
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD22	11	0.5
(1,48)	1:85:A:SER:HB2	1:76:A:LEU:HD21	8	0.5
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	9	0.5
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	14	0.5
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	13	0.5
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	7	0.5
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	10	0.5
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	12	0.5
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	5	0.49
(1,4914)	1:72:A:VAL:H	1:70:A:PRO:HD3	18	0.49
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	20	0.49
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	15	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	1	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	2	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	4	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB1	6	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	13	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB3	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	18	0.49
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB1	20	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	2	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	4	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	6	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	9	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	10	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	12	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	13	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	14	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	15	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	17	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	18	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	19	0.49
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	20	0.49
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG13	2	0.49
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG11	15	0.49
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	5	0.49
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	3	0.49
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	14	0.49
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	3	0.49
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	4	0.49
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	8	0.49
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	14	0.49
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	6	0.49
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG23	7	0.49
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	1	0.49
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG13	12	0.49
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	11	0.49
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	2	0.49
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	5	0.49
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD21	8	0.49
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	12	0.49
(1,3856)	1:195:A:SER:HB3	1:197:A:GLN:HG2	8	0.49
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	8	0.49
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	9	0.49
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	8	0.49
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	10	0.49
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	4	0.49
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	8	0.49
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	13	0.49
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	10	0.49
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	18	0.49
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	1	0.49
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD13	8	0.49
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG11	2	0.49
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	5	0.49
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	11	0.49
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	14	0.49
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	16	0.49
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	11	0.49
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	10	0.49
(1,3627)	1:176:A:MET:HE3	1:188:A:TRP:HZ2	20	0.49
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD12	12	0.49
(1,3579)	1:150:A:GLY:H	1:149:A:ILE:HD13	19	0.49
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD13	4	0.49
(1,3550)	1:187:A:ILE:HD13	1:81:A:VAL:HG21	2	0.49
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	12	0.49
(1,3550)	1:187:A:ILE:HD13	1:81:A:VAL:HG21	15	0.49
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	1	0.49
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB1	3	0.49
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	15	0.49
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	19	0.49
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	3	0.49
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	15	0.49
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	17	0.49
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	18	0.49
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	4	0.49
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	2	0.49
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	2	0.49
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	4	0.49
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	6	0.49
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	11	0.49
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	13	0.49
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	5	0.49
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	8	0.49
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	14	0.49
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	20	0.49
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	13	0.49
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB2	16	0.49
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	1	0.49
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	13	0.49
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	14	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	4	0.49
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG21	8	0.49
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	14	0.49
(1,3300)	1:193:A:ALA:HB3	1:174:A:LEU:H	19	0.49
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	12	0.49
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	20	0.49
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	12	0.49
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG21	2	0.49
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG23	15	0.49
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	1	0.49
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	2	0.49
(1,3248)	1:108:A:THR:HG22	1:64:A:TRP:HA	7	0.49
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	13	0.49
(1,3248)	1:108:A:THR:HG21	1:64:A:TRP:HA	19	0.49
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	4	0.49
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	5	0.49
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	17	0.49
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	20	0.49
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	9	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	1	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	3	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	5	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	6	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	11	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	13	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	14	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	15	0.49
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	16	0.49
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	12	0.49
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD22	4	0.49
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	16	0.49
(1,3052)	1:126:A:GLN:HG2	1:127:A:LEU:H	15	0.49
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	1	0.49
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	5	0.49
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	9	0.49
(1,2906)	1:105:A:ALA:HA	1:104:A:GLU:HG3	1	0.49
(1,2906)	1:105:A:ALA:HA	1:104:A:GLU:HG3	2	0.49
(1,2803)	1:91:A:SER:HB3	1:102:A:ALA:HB2	8	0.49
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB3	20	0.49
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	1	0.49
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG22	6	0.49
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG22	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB3	9	0.49
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	17	0.49
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	4	0.49
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG21	15	0.49
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	7	0.49
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	16	0.49
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB3	17	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	1	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	3	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD11	6	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD11	11	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD12	14	0.49
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	17	0.49
(1,2596)	1:100:A:LEU:HD22	1:100:A:LEU:HA	5	0.49
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	2	0.49
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	3	0.49
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	4	0.49
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	11	0.49
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	16	0.49
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG13	4	0.49
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG11	7	0.49
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	16	0.49
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	14	0.49
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	3	0.49
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	2	0.49
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG23	15	0.49
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	19	0.49
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	1	0.49
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	17	0.49
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	7	0.49
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	12	0.49
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	16	0.49
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD13	6	0.49
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	13	0.49
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	6	0.49
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	9	0.49
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD12	18	0.49
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	16	0.49
(1,1878)	1:178:A:LEU:HA	1:178:A:LEU:HD12	20	0.49
(1,1667)	1:46:A:ILE:HA	1:46:A:ILE:HG13	2	0.49
(1,1667)	1:46:A:ILE:HA	1:46:A:ILE:HG13	8	0.49
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB3	4	0.49
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	7	0.49
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	9	0.49
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	14	0.49
(1,1412)	1:113:A:LEU:HD13	1:119:A:PHE:HE2	10	0.49
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	18	0.49
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	17	0.49
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	5	0.49
(1,1287)	1:154:A:ASN:HD22	1:129:A:MET:HB3	19	0.49
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	10	0.49
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	15	0.49
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	20	0.49
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	7	0.49
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	12	0.49
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	2	0.49
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	16	0.49
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	18	0.49
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	17	0.49
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	8	0.49
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	9	0.49
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	12	0.49
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	16	0.49
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	20	0.49
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	12	0.49
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	5	0.49
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	16	0.49
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	2	0.49
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	1	0.49
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	10	0.49
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	11	0.49
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	3	0.49
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	5	0.49
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD11	3	0.49
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	15	0.49
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	11	0.49
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD21	14	0.49
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	8	0.49
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	15	0.49
(1,958)	1:130:A:ALA:H	1:151:A:ILE:HG21	7	0.49
(1,948)	1:64:A:TRP:H	1:62:A:TYR:HD2	10	0.49
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	8	0.49
(1,869)	1:127:A:LEU:HD13	1:129:A:MET:H	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,845)	1:191:A:LYS:HG3	1:191:A:LYS:HE2	3	0.49
(1,814)	1:61:A:HIS:HB2	1:197:A:GLN:HG3	11	0.49
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	9	0.49
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	11	0.49
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	11	0.49
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	13	0.49
(1,745)	1:174:A:LEU:HD21	1:176:A:MET:HE3	1	0.49
(1,745)	1:174:A:LEU:HD23	1:176:A:MET:HE3	11	0.49
(1,745)	1:161:A:LEU:HD13	1:176:A:MET:HE2	19	0.49
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	5	0.49
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	4	0.49
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	7	0.49
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	4	0.49
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	18	0.49
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	1	0.49
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	18	0.49
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG13	10	0.49
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	1	0.49
(1,708)	1:108:A:THR:HG21	1:111:A:ASN:H	20	0.49
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HE1	1	0.49
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	3	0.49
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	15	0.49
(1,691)	1:88:A:LEU:HD11	1:88:A:LEU:H	2	0.49
(1,691)	1:88:A:LEU:HD11	1:88:A:LEU:H	14	0.49
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	17	0.49
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	8	0.49
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	10	0.49
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	12	0.49
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	19	0.49
(1,585)	1:137:A:SER:HB2	1:136:A:LEU:HA	9	0.49
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD11	6	0.49
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	11	0.49
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	16	0.49
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE3	15	0.49
(1,554)	1:147:A:LYS:HA	1:147:A:LYS:HE2	20	0.49
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	3	0.49
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	7	0.49
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	13	0.49
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	12	0.49
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	5	0.49
(1,506)	1:189:A:SER:HB3	1:188:A:TRP:HE3	12	0.49
(1,466)	1:72:A:VAL:HG22	1:69:A:GLN:HA	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:72:A:VAL:HG22	1:69:A:GLN:HA	4	0.49
(1,466)	1:72:A:VAL:HG21	1:68:A:MET:HA	5	0.49
(1,466)	1:72:A:VAL:HG22	1:68:A:MET:HA	11	0.49
(1,444)	1:74:A:LYS:HG2	1:73:A:SER:HB3	13	0.49
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	3	0.49
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	5	0.49
(1,431)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	9	0.49
(1,431)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	10	0.49
(1,431)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	16	0.49
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	17	0.49
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	18	0.49
(1,411)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	7	0.49
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	3	0.49
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	5	0.49
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	14	0.49
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	13	0.49
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB2	11	0.49
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	15	0.49
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	18	0.49
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	20	0.49
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	5	0.49
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	7	0.49
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	17	0.49
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	8	0.49
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	15	0.49
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	18	0.49
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	8	0.49
(1,228)	1:60:A:ARG:HD3	1:170:A:ASN:HA	16	0.49
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	15	0.49
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	5	0.49
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	3	0.49
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	11	0.49
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	19	0.49
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	3	0.49
(1,151)	1:168:A:ASN:HA	1:169:A:VAL:HG11	19	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	2	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	5	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	10	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	13	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	14	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	15	0.49
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	18	0.49
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	5	0.49
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	8	0.49
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	7	0.49
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	19	0.49
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	20	0.49
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD11	16	0.49
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD22	11	0.49
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	9	0.49
(1,9)	1:159:A:TYR:HD2	1:178:A:LEU:HA	13	0.49
(1,1)	1:186:A:ILE:HD12	1:162:A:TYR:HD2	19	0.49
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	17	0.48
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	6	0.48
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD13	2	0.48
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	4	0.48
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB2	15	0.48
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	3	0.48
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	5	0.48
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	8	0.48
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	11	0.48
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	7	0.48
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	7	0.48
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	18	0.48
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	16	0.48
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	15	0.48
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	18	0.48
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	20	0.48
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	5	0.48
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	6	0.48
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	7	0.48
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	13	0.48
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	17	0.48
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	18	0.48
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	17	0.48
(1,3910)	1:113:A:LEU:HD22	1:109:A:LEU:HD22	4	0.48
(1,3910)	1:113:A:LEU:HD23	1:109:A:LEU:HD23	18	0.48
(1,3905)	1:103:A:ALA:HB3	1:106:A:THR:HG1	2	0.48
(1,3864)	1:183:A:THR:HG21	1:185:A:GLU:H	20	0.48
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	5	0.48
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	9	0.48
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	12	0.48
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	11	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	16	0.48
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	20	0.48
(1,3715)	1:197:A:GLN:HG2	1:197:A:GLN:H	8	0.48
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	8	0.48
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	2	0.48
(1,3689)	1:186:A:ILE:HD13	1:162:A:TYR:HE2	20	0.48
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	3	0.48
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	11	0.48
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	17	0.48
(1,3647)	1:86:A:VAL:HG23	1:86:A:VAL:HG11	19	0.48
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	2	0.48
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	3	0.48
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	6	0.48
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	10	0.48
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD2	19	0.48
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	2	0.48
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	16	0.48
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG12	16	0.48
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	4	0.48
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	7	0.48
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	18	0.48
(1,3571)	1:130:A:ALA:HB3	1:151:A:ILE:HD13	2	0.48
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD12	2	0.48
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	3	0.48
(1,3559)	1:187:A:ILE:HD13	1:159:A:TYR:HA	10	0.48
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	18	0.48
(1,3558)	1:178:A:LEU:HA	1:187:A:ILE:HD13	2	0.48
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG23	13	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	6	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	8	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	10	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	16	0.48
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	17	0.48
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	5	0.48
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	6	0.48
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	17	0.48
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	2	0.48
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	8	0.48
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	7	0.48
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	13	0.48
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	13	0.48
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	9	0.48
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	17	0.48
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	18	0.48
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	3	0.48
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	7	0.48
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	16	0.48
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	17	0.48
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	4	0.48
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	19	0.48
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	12	0.48
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	2	0.48
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB2	12	0.48
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	10	0.48
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	4	0.48
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	9	0.48
(1,3296)	1:67:A:ALA:HB2	1:68:A:MET:HG2	14	0.48
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	15	0.48
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	18	0.48
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	4	0.48
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	9	0.48
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG21	8	0.48
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG23	16	0.48
(1,3248)	1:108:A:THR:HG23	1:64:A:TRP:HA	14	0.48
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	1	0.48
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	8	0.48
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	14	0.48
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	19	0.48
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG13	4	0.48
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG13	8	0.48
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG12	15	0.48
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	12	0.48
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	13	0.48
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	4	0.48
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	8	0.48
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	9	0.48
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	18	0.48
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	19	0.48
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD23	1	0.48
(1,3136)	1:113:A:LEU:HD12	1:87:A:LEU:HD23	10	0.48
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	16	0.48
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	2	0.48
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	4	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	10	0.48
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	17	0.48
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	19	0.48
(1,2906)	1:105:A:ALA:HA	1:104:A:GLU:HG3	10	0.48
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	4	0.48
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	7	0.48
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	13	0.48
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	19	0.48
(1,2756)	1:163:A:SER:HB2	1:176:A:MET:HG3	13	0.48
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG22	13	0.48
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	1	0.48
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	2	0.48
(1,2693)	1:108:A:THR:HG21	1:64:A:TRP:HD1	6	0.48
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	7	0.48
(1,2693)	1:108:A:THR:HG21	1:64:A:TRP:HD1	19	0.48
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	4	0.48
(1,2660)	1:174:A:LEU:HD12	1:68:A:MET:HE3	12	0.48
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	2	0.48
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD12	5	0.48
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD11	15	0.48
(1,2602)	1:178:A:LEU:HD11	1:188:A:TRP:HZ3	19	0.48
(1,2596)	1:100:A:LEU:HD23	1:100:A:LEU:HA	19	0.48
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	7	0.48
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	14	0.48
(1,2484)	1:191:A:LYS:HD2	1:191:A:LYS:HB3	20	0.48
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	15	0.48
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	1	0.48
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG22	3	0.48
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	13	0.48
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	5	0.48
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	1	0.48
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	16	0.48
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	4	0.48
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	8	0.48
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD11	7	0.48
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD13	15	0.48
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	16	0.48
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD11	19	0.48
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	8	0.48
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	10	0.48
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	2	0.48
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	5	0.48
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG23	9	0.48
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	13	0.48
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG22	20	0.48
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB2	2	0.48
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	13	0.48
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB2	8	0.48
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	5	0.48
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	15	0.48
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB2	17	0.48
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	9	0.48
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD22	16	0.48
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	19	0.48
(1,1417)	1:178:A:LEU:HD13	1:159:A:TYR:HE2	8	0.48
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	6	0.48
(1,1382)	1:87:A:LEU:HD12	1:119:A:PHE:HD2	19	0.48
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	2	0.48
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	3	0.48
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	11	0.48
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	9	0.48
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	3	0.48
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	5	0.48
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG23	6	0.48
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	18	0.48
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	2	0.48
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	3	0.48
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	5	0.48
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	11	0.48
(1,1279)	1:115:A:ASN:HD22	1:112:A:ALA:HB3	11	0.48
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	1	0.48
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	10	0.48
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	19	0.48
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	7	0.48
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	18	0.48
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	17	0.48
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	2	0.48
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	10	0.48
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	13	0.48
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	19	0.48
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	17	0.48
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	12	0.48
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	2	0.48
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	8	0.48
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG13	20	0.48
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	13	0.48
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	1	0.48
(1,1036)	1:177:A:GLN:H	1:189:A:SER:HB2	7	0.48
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	19	0.48
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	6	0.48
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD22	3	0.48
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD21	7	0.48
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	5	0.48
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	18	0.48
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	20	0.48
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	12	0.48
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	2	0.48
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	15	0.48
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	13	0.48
(1,770)	1:151:A:ILE:HD11	1:147:A:LYS:H	12	0.48
(1,754)	1:112:A:ALA:HB1	1:69:A:GLN:HB2	11	0.48
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	11	0.48
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	13	0.48
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	16	0.48
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG11	2	0.48
(1,727)	1:106:A:THR:H	1:92:A:VAL:HG12	11	0.48
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	12	0.48
(1,709)	1:181:A:VAL:HG22	1:152:A:ALA:H	13	0.48
(1,709)	1:181:A:VAL:HG21	1:152:A:ALA:H	19	0.48
(1,691)	1:88:A:LEU:HD13	1:88:A:LEU:H	4	0.48
(1,691)	1:88:A:LEU:HD11	1:88:A:LEU:H	5	0.48
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	18	0.48
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD22	8	0.48
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	3	0.48
(1,632)	1:81:A:VAL:HG23	1:118:A:LYS:HE2	16	0.48
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	14	0.48
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	15	0.48
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	16	0.48
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	18	0.48
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	20	0.48
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	1	0.48
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	16	0.48
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD22	5	0.48
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD22	4	0.48
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD22	11	0.48
(1,528)	1:146:A:SER:HB2	1:145:A:ARG:H	16	0.48
(1,523)	1:34:A:PRO:HG3	1:34:A:PRO:HA	1	0.48
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	3	0.48
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	7	0.48
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	14	0.48
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	15	0.48
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	10	0.48
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG21	16	0.48
(1,466)	1:72:A:VAL:HG21	1:68:A:MET:HA	8	0.48
(1,466)	1:72:A:VAL:HG22	1:69:A:GLN:HA	14	0.48
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	19	0.48
(1,466)	1:72:A:VAL:HG22	1:69:A:GLN:HA	20	0.48
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	8	0.48
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	7	0.48
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	13	0.48
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	2	0.48
(1,431)	1:45:A:PRO:HG2	1:45:A:PRO:HD2	4	0.48
(1,431)	1:45:A:PRO:HG2	1:45:A:PRO:HD2	12	0.48
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD23	10	0.48
(1,369)	1:129:A:MET:HB2	1:130:A:ALA:HB3	3	0.48
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	18	0.48
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	5	0.48
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	17	0.48
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	16	0.48
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	19	0.48
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	1	0.48
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	16	0.48
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	14	0.48
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	18	0.48
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	20	0.48
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD22	7	0.48
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	17	0.48
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	11	0.48
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	12	0.48
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB2	20	0.48
(1,140)	1:121:A:LEU:HA	1:121:A:LEU:HD22	6	0.48
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	3	0.48
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	4	0.48
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	7	0.48
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	9	0.48
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	11	0.48
(1,137)	1:121:A:LEU:HA	1:120:A:THR:HA	19	0.48
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	17	0.48
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	6	0.48
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD23	2	0.48
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	8	0.48
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	1	0.48
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	5	0.48
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	17	0.48
(1,24)	1:163:A:SER:HB3	1:106:A:THR:HG23	13	0.48
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	11	0.47
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	16	0.47
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD11	6	0.47
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	2	0.47
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	11	0.47
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	14	0.47
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG21	15	0.47
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	19	0.47
(1,4594)	1:175:A:GLN:HE22	1:175:A:GLN:HG2	16	0.47
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	10	0.47
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	5	0.47
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	7	0.47
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	9	0.47
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	2	0.47
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	20	0.47
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	15	0.47
(1,4214)	1:189:A:SER:H	1:186:A:ILE:HG21	20	0.47
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	1	0.47
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	4	0.47
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	18	0.47
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	20	0.47
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	20	0.47
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	20	0.47
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	12	0.47
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	18	0.47
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	4	0.47
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	11	0.47
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	11	0.47
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	12	0.47
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD13	17	0.47
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	12	0.47
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	5	0.47
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	2	0.47
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	5	0.47
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	10	0.47
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD23	18	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	1	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	4	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	9	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	13	0.47
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD12	20	0.47
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD1	1	0.47
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	8	0.47
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	18	0.47
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	19	0.47
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD22	16	0.47
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	15	0.47
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	2	0.47
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	8	0.47
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	14	0.47
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	17	0.47
(1,3566)	1:142:A:LEU:HA	1:151:A:ILE:HD11	12	0.47
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	4	0.47
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	1	0.47
(1,3559)	1:187:A:ILE:HD13	1:159:A:TYR:HA	2	0.47
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	6	0.47
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	9	0.47
(1,3557)	1:187:A:ILE:HD11	1:78:A:ALA:HA	8	0.47
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB1	2	0.47
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	4	0.47
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB3	11	0.47
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB1	14	0.47
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG21	17	0.47
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	13	0.47
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	9	0.47
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	3	0.47
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	14	0.47
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	16	0.47
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	5	0.47
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	19	0.47
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	2	0.47
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB2	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	12	0.47
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	16	0.47
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD22	4	0.47
(1,3420)	1:176:A:MET:HE2	1:109:A:LEU:HD22	5	0.47
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB3	18	0.47
(1,3406)	1:148:A:ALA:HB2	1:162:A:TYR:HD2	10	0.47
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	12	0.47
(1,3406)	1:148:A:ALA:HB3	1:162:A:TYR:HD2	17	0.47
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	18	0.47
(1,3369)	1:68:A:MET:HE3	1:64:A:TRP:HZ3	8	0.47
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	9	0.47
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	12	0.47
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	14	0.47
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	15	0.47
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	18	0.47
(1,3300)	1:193:A:ALA:HB2	1:174:A:LEU:H	10	0.47
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	3	0.47
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	5	0.47
(1,3296)	1:67:A:ALA:HB2	1:68:A:MET:HG2	6	0.47
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	7	0.47
(1,3296)	1:67:A:ALA:HB3	1:68:A:MET:HG2	8	0.47
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	16	0.47
(1,3279)	1:164:A:SER:HA	1:92:A:VAL:HG22	1	0.47
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG23	6	0.47
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG23	13	0.47
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG21	6	0.47
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	11	0.47
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	13	0.47
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD12	1	0.47
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	12	0.47
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	17	0.47
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	20	0.47
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD21	8	0.47
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	1	0.47
(1,3056)	1:175:A:GLN:HG2	1:191:A:LYS:HD2	14	0.47
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	4	0.47
(1,2967)	1:178:A:LEU:HB3	1:161:A:LEU:HD13	20	0.47
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	6	0.47
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	2	0.47
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	3	0.47
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	17	0.47
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG22	20	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB1	6	0.47
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	4	0.47
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	13	0.47
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	9	0.47
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	16	0.47
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	8	0.47
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG23	2	0.47
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	2	0.47
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG22	3	0.47
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	17	0.47
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD12	2	0.47
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	8	0.47
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	6	0.47
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	15	0.47
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	16	0.47
(1,2603)	1:100:A:LEU:HD21	1:172:A:PRO:HB2	20	0.47
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG11	3	0.47
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	20	0.47
(1,2395)	1:176:A:MET:HG2	1:176:A:MET:HE3	19	0.47
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	18	0.47
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	15	0.47
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	13	0.47
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	2	0.47
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	9	0.47
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	2	0.47
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	9	0.47
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	18	0.47
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	20	0.47
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD21	3	0.47
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	1	0.47
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	11	0.47
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	19	0.47
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	1	0.47
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	3	0.47
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	8	0.47
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	4	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	4	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG22	6	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	12	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG22	14	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	15	0.47
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	8	0.47
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB2	9	0.47
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	19	0.47
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	3	0.47
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	13	0.47
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG21	16	0.47
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	18	0.47
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB2	14	0.47
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	1	0.47
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	10	0.47
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	11	0.47
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	7	0.47
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	17	0.47
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	17	0.47
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	19	0.47
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG21	9	0.47
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	16	0.47
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	4	0.47
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	8	0.47
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	19	0.47
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	11	0.47
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	5	0.47
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	6	0.47
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	7	0.47
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	8	0.47
(1,1188)	1:188:A:TRP:H	1:178:A:LEU:HD21	2	0.47
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	8	0.47
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	19	0.47
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	6	0.47
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	4	0.47
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	11	0.47
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	15	0.47
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	18	0.47
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	7	0.47
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	6	0.47
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	12	0.47
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	13	0.47
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	4	0.47
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	8	0.47
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	14	0.47
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	15	0.47
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	18	0.47
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG11	15	0.47
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	11	0.47
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	14	0.47
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	1	0.47
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD21	10	0.47
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	6	0.47
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	11	0.47
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	1	0.47
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	15	0.47
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	20	0.47
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD21	11	0.47
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	17	0.47
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	20	0.47
(1,955)	1:168:A:ASN:H	1:173:A:THR:HB	1	0.47
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	6	0.47
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD13	8	0.47
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	14	0.47
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	15	0.47
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	11	0.47
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	15	0.47
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	17	0.47
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	7	0.47
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	10	0.47
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	13	0.47
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	15	0.47
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	19	0.47
(1,890)	1:191:A:LYS:HE2	1:175:A:GLN:HG3	7	0.47
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	2	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	2	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD23	8	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	9	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	10	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	13	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	15	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	18	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD21	19	0.47
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD23	20	0.47
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	4	0.47
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	19	0.47
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	18	0.47
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	10	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	1	0.47
(1,772)	1:151:A:ILE:HD11	1:90:A:ASP:HA	15	0.47
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	4	0.47
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD12	7	0.47
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	8	0.47
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD12	16	0.47
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB2	2	0.47
(1,754)	1:112:A:ALA:HB1	1:69:A:GLN:HB2	5	0.47
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	7	0.47
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	1	0.47
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG11	8	0.47
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG13	7	0.47
(1,728)	1:102:A:ALA:HA	1:92:A:VAL:HG12	8	0.47
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	7	0.47
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	12	0.47
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	14	0.47
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	3	0.47
(1,691)	1:88:A:LEU:HD11	1:88:A:LEU:H	7	0.47
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	8	0.47
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	2	0.47
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	9	0.47
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	10	0.47
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	3	0.47
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	6	0.47
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	7	0.47
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	9	0.47
(1,603)	1:172:A:PRO:HD2	1:96:A:THR:HG23	17	0.47
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	6	0.47
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	18	0.47
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	20	0.47
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD21	18	0.47
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	18	0.47
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	2	0.47
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	2	0.47
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG21	18	0.47
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	3	0.47
(1,437)	1:178:A:LEU:HD11	1:188:A:TRP:HA	1	0.47
(1,437)	1:178:A:LEU:HD11	1:188:A:TRP:HA	10	0.47
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	2	0.47
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	14	0.47
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	6	0.47
(1,431)	1:45:A:PRO:HG2	1:45:A:PRO:HD2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:126:A:GLN:HB2	1:122:A:VAL:HG22	15	0.47
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	17	0.47
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	10	0.47
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	13	0.47
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD21	4	0.47
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	1	0.47
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	3	0.47
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	6	0.47
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	10	0.47
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	14	0.47
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	12	0.47
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	2	0.47
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	3	0.47
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	4	0.47
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	10	0.47
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	20	0.47
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	16	0.47
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	20	0.47
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	4	0.47
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	12	0.47
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	2	0.47
(1,269)	1:121:A:LEU:HB3	1:120:A:THR:HA	17	0.47
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB3	14	0.47
(1,243)	1:74:A:LYS:HE2	1:74:A:LYS:HB3	10	0.47
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	3	0.47
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD12	16	0.47
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	18	0.47
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	20	0.47
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	7	0.47
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	18	0.47
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	5	0.47
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	10	0.47
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	14	0.47
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	15	0.47
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	9	0.47
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	11	0.47
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD23	13	0.47
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB2	3	0.47
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	12	0.47
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	7	0.47
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	20	0.47
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	8	0.47
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	15	0.47
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD21	3	0.47
(1,48)	1:85:A:SER:HB3	1:76:A:LEU:HD23	15	0.47
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	8	0.47
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	11	0.47
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	1	0.46
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	3	0.46
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	7	0.46
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	9	0.46
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	17	0.46
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	18	0.46
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG23	10	0.46
(1,4632)	1:156:A:GLY:H	1:157:A:ALA:HB3	12	0.46
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	6	0.46
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	20	0.46
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	17	0.46
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	6	0.46
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	16	0.46
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	1	0.46
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	9	0.46
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	12	0.46
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	19	0.46
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	9	0.46
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG13	13	0.46
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	7	0.46
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	8	0.46
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG23	17	0.46
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	5	0.46
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	16	0.46
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	17	0.46
(1,3910)	1:113:A:LEU:HD21	1:109:A:LEU:HD22	12	0.46
(1,3905)	1:103:A:ALA:HB2	1:106:A:THR:HG1	4	0.46
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	6	0.46
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	7	0.46
(1,3729)	1:175:A:GLN:H	1:175:A:GLN:HG2	18	0.46
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	7	0.46
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	9	0.46
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	16	0.46
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	19	0.46
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	2	0.46
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	6	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	20	0.46
(1,3689)	1:186:A:ILE:HD11	1:162:A:TYR:HE2	14	0.46
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD13	12	0.46
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	15	0.46
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	13	0.46
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD23	1	0.46
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	8	0.46
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	15	0.46
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	19	0.46
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD1	14	0.46
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG22	20	0.46
(1,3630)	1:174:A:LEU:HD11	1:64:A:TRP:HH2	3	0.46
(1,3630)	1:174:A:LEU:HD11	1:64:A:TRP:HH2	9	0.46
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	3	0.46
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	14	0.46
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	3	0.46
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	6	0.46
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	10	0.46
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	13	0.46
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	8	0.46
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	19	0.46
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	13	0.46
(1,3557)	1:187:A:ILE:HD12	1:78:A:ALA:HA	2	0.46
(1,3550)	1:187:A:ILE:HD13	1:81:A:VAL:HG21	14	0.46
(1,3528)	1:106:A:THR:HB	1:105:A:ALA:HB2	13	0.46
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	1	0.46
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	4	0.46
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	8	0.46
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	12	0.46
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	1	0.46
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	6	0.46
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	8	0.46
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	9	0.46
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB2	4	0.46
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	10	0.46
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	2	0.46
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	12	0.46
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	19	0.46
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	3	0.46
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	16	0.46
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	1	0.46
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG22	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	10	0.46
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	5	0.46
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	10	0.46
(1,3285)	1:67:A:ALA:HB2	1:64:A:TRP:H	4	0.46
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG21	1	0.46
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG22	2	0.46
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG23	7	0.46
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG21	9	0.46
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG23	14	0.46
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	4	0.46
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	10	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG13	3	0.46
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG13	5	0.46
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG11	6	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG12	7	0.46
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG12	9	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG12	10	0.46
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG12	13	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG13	14	0.46
(1,3230)	1:155:A:VAL:HG22	1:155:A:VAL:HG12	17	0.46
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG12	19	0.46
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	17	0.46
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	5	0.46
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	15	0.46
(1,3156)	1:34:A:PRO:HD3	1:34:A:PRO:HG2	10	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	2	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	3	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	4	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	6	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	7	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	10	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	15	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	17	0.46
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	19	0.46
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	11	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	1	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	5	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	10	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	12	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	14	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	15	0.46
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	18	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	10	0.46
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG23	10	0.46
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	5	0.46
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	17	0.46
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	5	0.46
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	16	0.46
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG23	19	0.46
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	19	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	3	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	8	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	10	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	14	0.46
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	19	0.46
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	4	0.46
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	9	0.46
(1,2693)	1:108:A:THR:HG21	1:64:A:TRP:HD1	10	0.46
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	15	0.46
(1,2693)	1:108:A:THR:HG21	1:64:A:TRP:HD1	17	0.46
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG22	11	0.46
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	17	0.46
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	3	0.46
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	6	0.46
(1,2620)	1:127:A:LEU:HA	1:127:A:LEU:HD21	10	0.46
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD11	4	0.46
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	2	0.46
(1,2586)	1:178:A:LEU:HD13	1:179:A:MET:H	11	0.46
(1,2565)	1:145:A:ARG:HG3	1:145:A:ARG:HA	9	0.46
(1,2529)	1:174:A:LEU:HD22	1:194:A:VAL:HG11	8	0.46
(1,2484)	1:191:A:LYS:HD2	1:191:A:LYS:HB3	16	0.46
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	3	0.46
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	10	0.46
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	1	0.46
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	2	0.46
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	10	0.46
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG22	11	0.46
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	7	0.46
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	10	0.46
(1,2325)	1:196:A:GLN:HG3	1:60:A:ARG:HB3	17	0.46
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	4	0.46
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	6	0.46
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	13	0.46
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	16	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	16	0.46
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	20	0.46
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD11	4	0.46
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	12	0.46
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD11	18	0.46
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	12	0.46
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	15	0.46
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB1	7	0.46
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB1	13	0.46
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	7	0.46
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	12	0.46
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	3	0.46
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG23	10	0.46
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	16	0.46
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG23	18	0.46
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG23	19	0.46
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD23	15	0.46
(1,1646)	1:52:A:THR:HA	1:53:A:ALA:HB1	14	0.46
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	4	0.46
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB2	2	0.46
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	10	0.46
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	14	0.46
(1,1522)	1:163:A:SER:HB3	1:93:A:ASN:H	8	0.46
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	1	0.46
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	3	0.46
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	7	0.46
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	16	0.46
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	2	0.46
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	15	0.46
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	5	0.46
(1,1414)	1:194:A:VAL:HG22	1:64:A:TRP:HZ2	9	0.46
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	8	0.46
(1,1382)	1:87:A:LEU:HD11	1:119:A:PHE:HD2	20	0.46
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	12	0.46
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	1	0.46
(1,1367)	1:76:A:LEU:HD12	1:119:A:PHE:HE2	19	0.46
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	12	0.46
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	1	0.46
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	13	0.46
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	16	0.46
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG13	17	0.46
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	8	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	14	0.46
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	1	0.46
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	14	0.46
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	17	0.46
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	10	0.46
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	13	0.46
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	3	0.46
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	14	0.46
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	2	0.46
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	6	0.46
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	17	0.46
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HB2	20	0.46
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG12	3	0.46
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	6	0.46
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG13	14	0.46
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	3	0.46
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	5	0.46
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	19	0.46
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG13	7	0.46
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB3	4	0.46
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB3	20	0.46
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	6	0.46
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	13	0.46
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	20	0.46
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	1	0.46
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	10	0.46
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	4	0.46
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	6	0.46
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD23	17	0.46
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	7	0.46
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	7	0.46
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	16	0.46
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	3	0.46
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	14	0.46
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD21	1	0.46
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	5	0.46
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	13	0.46
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	15	0.46
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD13	4	0.46
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	7	0.46
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	1	0.46
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	1	0.46
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	11	0.46
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	12	0.46
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	18	0.46
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	20	0.46
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	11	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD21	1	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD23	3	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD23	5	0.46
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD21	16	0.46
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	7	0.46
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	1	0.46
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB1	6	0.46
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	18	0.46
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	9	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	1	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	3	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	6	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	9	0.46
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	14	0.46
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	6	0.46
(1,745)	1:161:A:LEU:HD11	1:176:A:MET:HE2	7	0.46
(1,745)	1:161:A:LEU:HD11	1:176:A:MET:HE2	16	0.46
(1,736)	1:148:A:ALA:HB1	1:142:A:LEU:HB2	15	0.46
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	14	0.46
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	16	0.46
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	18	0.46
(1,729)	1:93:A:ASN:HB3	1:92:A:VAL:HG12	17	0.46
(1,713)	1:67:A:ALA:HB3	1:71:A:MET:HE2	10	0.46
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	13	0.46
(1,691)	1:88:A:LEU:HD13	1:88:A:LEU:H	6	0.46
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	9	0.46
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	20	0.46
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	9	0.46
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	2	0.46
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	4	0.46
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	13	0.46
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	14	0.46
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	17	0.46
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	19	0.46
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD22	12	0.46
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	1	0.46
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	15	0.46
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	1	0.46
(1,466)	1:72:A:VAL:HG23	1:68:A:MET:HA	2	0.46
(1,466)	1:72:A:VAL:HG23	1:68:A:MET:HA	10	0.46
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	9	0.46
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	8	0.46
(1,431)	1:45:A:PRO:HG2	1:45:A:PRO:HD2	15	0.46
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD21	2	0.46
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD23	6	0.46
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	16	0.46
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	20	0.46
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	9	0.46
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	17	0.46
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	18	0.46
(1,346)	1:69:A:GLN:HG3	1:66:A:GLY:H	14	0.46
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	7	0.46
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	18	0.46
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	4	0.46
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	9	0.46
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	12	0.46
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	18	0.46
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	7	0.46
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	15	0.46
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	17	0.46
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	9	0.46
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	10	0.46
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	11	0.46
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	17	0.46
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	18	0.46
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	14	0.46
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	15	0.46
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB1	13	0.46
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	20	0.46
(1,228)	1:60:A:ARG:HD3	1:170:A:ASN:HA	15	0.46
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	9	0.46
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	12	0.46
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD21	2	0.46
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD23	3	0.46
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG12	8	0.46
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	20	0.46
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	10	0.46
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	11	0.46
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB1	14	0.46
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	16	0.46
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	12	0.46
(1,18)	1:106:A:THR:HB	1:139:A:GLN:HG3	7	0.46
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	16	0.46
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	18	0.46
(1,5462)	1:176:A:MET:HE1	1:109:A:LEU:HD21	20	0.45
(1,5462)	1:176:A:MET:HE1	1:109:A:LEU:HD22	20	0.45
(1,5462)	1:176:A:MET:HE1	1:109:A:LEU:HD23	20	0.45
(1,5281)	1:176:A:MET:HE1	1:109:A:LEU:HD21	20	0.45
(1,5281)	1:176:A:MET:HE1	1:109:A:LEU:HD22	20	0.45
(1,5281)	1:176:A:MET:HE1	1:109:A:LEU:HD23	20	0.45
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	8	0.45
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	13	0.45
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	16	0.45
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	1	0.45
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	11	0.45
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	12	0.45
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	15	0.45
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	20	0.45
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	5	0.45
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	6	0.45
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	12	0.45
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	12	0.45
(1,4402)	1:116:A:ASN:H	1:121:A:LEU:HD22	2	0.45
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	17	0.45
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	5	0.45
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	12	0.45
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	17	0.45
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	18	0.45
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	6	0.45
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	11	0.45
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	3	0.45
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	9	0.45
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	13	0.45
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	15	0.45
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	20	0.45
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG23	15	0.45
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	17	0.45
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	2	0.45
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	6	0.45
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG13	15	0.45
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	6	0.45
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	17	0.45
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	4	0.45
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	7	0.45
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	10	0.45
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	17	0.45
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD12	7	0.45
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	9	0.45
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	14	0.45
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	18	0.45
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	10	0.45
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD21	2	0.45
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD23	12	0.45
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD22	15	0.45
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD22	17	0.45
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD23	20	0.45
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	5	0.45
(1,3643)	1:180:A:LEU:HD12	1:159:A:TYR:HD1	9	0.45
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	6	0.45
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	16	0.45
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	17	0.45
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	11	0.45
(1,3627)	1:176:A:MET:HE2	1:188:A:TRP:HZ2	17	0.45
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG13	5	0.45
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	5	0.45
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	9	0.45
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	11	0.45
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	12	0.45
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD13	20	0.45
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	9	0.45
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	11	0.45
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	3	0.45
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG23	11	0.45
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	2	0.45
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	8	0.45
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	11	0.45
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	13	0.45
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	12	0.45
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB2	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB3	1	0.45
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	1	0.45
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	7	0.45
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	10	0.45
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	11	0.45
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	19	0.45
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	15	0.45
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB2	16	0.45
(1,3406)	1:148:A:ALA:HB1	1:162:A:TYR:HD2	2	0.45
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	5	0.45
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	13	0.45
(1,3360)	1:148:A:ALA:HB1	1:145:A:ARG:H	1	0.45
(1,3357)	1:157:A:ALA:HB3	1:152:A:ALA:H	6	0.45
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	9	0.45
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	18	0.45
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	16	0.45
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	8	0.45
(1,3296)	1:67:A:ALA:HB2	1:68:A:MET:HG2	2	0.45
(1,3296)	1:67:A:ALA:HB2	1:68:A:MET:HG2	11	0.45
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	13	0.45
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	17	0.45
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB1	2	0.45
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG21	3	0.45
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG22	4	0.45
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG22	5	0.45
(1,3272)	1:92:A:VAL:HG23	1:106:A:THR:HG22	12	0.45
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG22	17	0.45
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG21	19	0.45
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG22	6	0.45
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG23	10	0.45
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG22	11	0.45
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	17	0.45
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG22	20	0.45
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	3	0.45
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG23	7	0.45
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	9	0.45
(1,3233)	1:151:A:ILE:HA	1:155:A:VAL:HG22	16	0.45
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG13	20	0.45
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	3	0.45
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	7	0.45
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	15	0.45
(1,3078)	1:138:A:PRO:HB3	1:139:A:GLN:H	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	14	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	5	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	8	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	9	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	11	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	12	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	13	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	14	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	18	0.45
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	20	0.45
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	7	0.45
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	9	0.45
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	11	0.45
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	13	0.45
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	8	0.45
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	7	0.45
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	8	0.45
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB3	10	0.45
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG23	2	0.45
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG23	18	0.45
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	1	0.45
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	2	0.45
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	2	0.45
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG22	6	0.45
(1,2693)	1:108:A:THR:HG21	1:64:A:TRP:HD1	3	0.45
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	11	0.45
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	13	0.45
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG21	1	0.45
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	10	0.45
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD22	12	0.45
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	18	0.45
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	1	0.45
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	7	0.45
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	8	0.45
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	14	0.45
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	16	0.45
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB1	4	0.45
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD11	13	0.45
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	3	0.45
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	9	0.45
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	14	0.45
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	18	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	20	0.45
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	18	0.45
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG12	16	0.45
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	6	0.45
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	2	0.45
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	13	0.45
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	9	0.45
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	12	0.45
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	4	0.45
(1,2148)	1:147:A:LYS:HE2	1:147:A:LYS:HG2	13	0.45
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	6	0.45
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	12	0.45
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	17	0.45
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	9	0.45
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	17	0.45
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	8	0.45
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD13	2	0.45
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	17	0.45
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	1	0.45
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	8	0.45
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	7	0.45
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG22	11	0.45
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	8	0.45
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	17	0.45
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	6	0.45
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	10	0.45
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	20	0.45
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	10	0.45
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG21	19	0.45
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	4	0.45
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	8	0.45
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	9	0.45
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	13	0.45
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	12	0.45
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	18	0.45
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD22	1	0.45
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD22	2	0.45
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	3	0.45
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	18	0.45
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	3	0.45
(1,1414)	1:194:A:VAL:HG21	1:64:A:TRP:HZ2	6	0.45
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1414)	1:194:A:VAL:HG22	1:64:A:TRP:HZ2	19	0.45
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	15	0.45
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	15	0.45
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	4	0.45
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	7	0.45
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG21	10	0.45
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG23	14	0.45
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	15	0.45
(1,1298)	1:85:A:SER:HB3	1:119:A:PHE:HE1	8	0.45
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	1	0.45
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	3	0.45
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	3	0.45
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	16	0.45
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	9	0.45
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	13	0.45
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	10	0.45
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG13	8	0.45
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	2	0.45
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	5	0.45
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	7	0.45
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	8	0.45
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	13	0.45
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	14	0.45
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB2	7	0.45
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	19	0.45
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	12	0.45
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	18	0.45
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	19	0.45
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG13	10	0.45
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	12	0.45
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	5	0.45
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	10	0.45
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	12	0.45
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	1	0.45
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	7	0.45
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD21	3	0.45
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD13	5	0.45
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD22	14	0.45
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	12	0.45
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	20	0.45
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB2	17	0.45
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	6	0.45
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	10	0.45
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	12	0.45
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	9	0.45
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	16	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	2	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	4	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	5	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	16	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	17	0.45
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	19	0.45
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	2	0.45
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	9	0.45
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	13	0.45
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	4	0.45
(1,869)	1:127:A:LEU:HD13	1:129:A:MET:H	20	0.45
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG12	12	0.45
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	6	0.45
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD23	7	0.45
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	12	0.45
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD21	14	0.45
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	6	0.45
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	17	0.45
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	3	0.45
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	9	0.45
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	14	0.45
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	11	0.45
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB2	12	0.45
(1,743)	1:114:A:ALA:HB1	1:111:A:ASN:HD21	20	0.45
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	5	0.45
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	5	0.45
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG23	15	0.45
(1,713)	1:67:A:ALA:HB2	1:71:A:MET:HE2	5	0.45
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	9	0.45
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	16	0.45
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	19	0.45
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	2	0.45
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	4	0.45
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	20	0.45
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD21	7	0.45
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	1	0.45
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD12	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,566)	1:139:A:GLN:HA	1:141:A:SER:HA	15	0.45
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD22	3	0.45
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	10	0.45
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB3	19	0.45
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	7	0.45
(1,459)	1:178:A:LEU:HD23	1:180:A:LEU:HB2	19	0.45
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	5	0.45
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	17	0.45
(1,431)	1:45:A:PRO:HG2	1:45:A:PRO:HD2	7	0.45
(1,431)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	20	0.45
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	8	0.45
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	8	0.45
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	6	0.45
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	16	0.45
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	8	0.45
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	6	0.45
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	8	0.45
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	9	0.45
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	12	0.45
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	17	0.45
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	12	0.45
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	17	0.45
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	8	0.45
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HG22	12	0.45
(1,246)	1:74:A:LYS:HE3	1:188:A:TRP:HZ2	15	0.45
(1,243)	1:74:A:LYS:HE2	1:74:A:LYS:HB3	2	0.45
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	12	0.45
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD23	17	0.45
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	12	0.45
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	17	0.45
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	8	0.45
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	4	0.45
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	6	0.45
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	16	0.45
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	17	0.45
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	1	0.45
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	4	0.45
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	8	0.45
(1,158)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	11	0.45
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	12	0.45
(1,158)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	13	0.45
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	15	0.45
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	19	0.45
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	4	0.45
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	7	0.45
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG22	3	0.45
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB1	18	0.45
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	2	0.45
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	3	0.45
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	11	0.45
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	10	0.45
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	2	0.45
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	6	0.45
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	7	0.45
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	10	0.45
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	14	0.45
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD13	4	0.44
(1,5050)	1:177:A:GLN:HE21	1:186:A:ILE:HD13	7	0.44
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	6	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	2	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB1	5	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB1	6	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	10	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	15	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	16	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	18	0.44
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	9	0.44
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	17	0.44
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD22	17	0.44
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	3	0.44
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG11	19	0.44
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	9	0.44
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	19	0.44
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	4	0.44
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	16	0.44
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG21	5	0.44
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	5	0.44
(1,4253)	1:136:A:LEU:H	1:136:A:LEU:HB3	16	0.44
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	16	0.44
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	11	0.44
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG13	7	0.44
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	16	0.44
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG21	15	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	1	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	2	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	6	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	12	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	14	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG23	15	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG23	16	0.44
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	18	0.44
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	15	0.44
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD22	7	0.44
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	10	0.44
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	13	0.44
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	17	0.44
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	19	0.44
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG21	12	0.44
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG21	16	0.44
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG22	17	0.44
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	12	0.44
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	8	0.44
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG13	12	0.44
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	8	0.44
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	13	0.44
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	19	0.44
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	13	0.44
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD23	4	0.44
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD11	7	0.44
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	12	0.44
(1,3646)	1:180:A:LEU:H	1:180:A:LEU:HD13	18	0.44
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	17	0.44
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	6	0.44
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD12	15	0.44
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	1	0.44
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD12	10	0.44
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	13	0.44
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	16	0.44
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	20	0.44
(1,3525)	1:149:A:ILE:HG22	1:146:A:SER:HA	14	0.44
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	3	0.44
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	5	0.44
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	12	0.44
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	14	0.44
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	7	0.44
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	19	0.44
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	19	0.44
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	14	0.44
(1,3392)	1:130:A:ALA:HB1	1:133:A:GLN:HG3	4	0.44
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	9	0.44
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	11	0.44
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	14	0.44
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	1	0.44
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	2	0.44
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	4	0.44
(1,3357)	1:157:A:ALA:HB2	1:152:A:ALA:H	5	0.44
(1,3357)	1:157:A:ALA:HB2	1:152:A:ALA:H	8	0.44
(1,3357)	1:157:A:ALA:HB2	1:152:A:ALA:H	12	0.44
(1,3357)	1:157:A:ALA:HB2	1:152:A:ALA:H	16	0.44
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	20	0.44
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	20	0.44
(1,3313)	1:89:A:VAL:HA	1:160:A:VAL:HG23	20	0.44
(1,3296)	1:67:A:ALA:HB1	1:68:A:MET:HG2	1	0.44
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	13	0.44
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	16	0.44
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	18	0.44
(1,3272)	1:92:A:VAL:HG21	1:106:A:THR:HG23	10	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	1	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG23	2	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	5	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	7	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	8	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG23	9	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	12	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	13	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG22	14	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	16	0.44
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG23	19	0.44
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG13	2	0.44
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG12	12	0.44
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD11	8	0.44
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD11	12	0.44
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	1	0.44
(1,3054)	1:175:A:GLN:HG3	1:175:A:GLN:HB3	16	0.44
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	3	0.44
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	6	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	3	0.44
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	12	0.44
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	13	0.44
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	3	0.44
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	7	0.44
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	13	0.44
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG23	10	0.44
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	15	0.44
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB1	17	0.44
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG23	10	0.44
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG23	14	0.44
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG21	15	0.44
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	8	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	4	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	10	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	11	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	12	0.44
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	13	0.44
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	15	0.44
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB1	11	0.44
(1,2618)	1:88:A:LEU:HB2	1:88:A:LEU:HD13	10	0.44
(1,2603)	1:100:A:LEU:HD21	1:172:A:PRO:HB2	5	0.44
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	14	0.44
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	19	0.44
(1,2586)	1:178:A:LEU:HD13	1:179:A:MET:H	1	0.44
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	6	0.44
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	8	0.44
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	13	0.44
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD11	15	0.44
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG13	9	0.44
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG13	12	0.44
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG11	17	0.44
(1,2529)	1:174:A:LEU:HD23	1:194:A:VAL:HG13	18	0.44
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	2	0.44
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	4	0.44
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	15	0.44
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	18	0.44
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	7	0.44
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	5	0.44
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	5	0.44
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	4	0.44
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	17	0.44
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	16	0.44
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	5	0.44
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	18	0.44
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	6	0.44
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	10	0.44
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	1	0.44
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	3	0.44
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG12	5	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB1	6	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	10	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	17	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	18	0.44
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	19	0.44
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG21	1	0.44
(1,1756)	1:62:A:TYR:HA	1:194:A:VAL:HG23	2	0.44
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	15	0.44
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	4	0.44
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	16	0.44
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	18	0.44
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	5	0.44
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	7	0.44
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	12	0.44
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	19	0.44
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	8	0.44
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD22	12	0.44
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	14	0.44
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	17	0.44
(1,1417)	1:178:A:LEU:HD13	1:159:A:TYR:HE2	11	0.44
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	16	0.44
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	8	0.44
(1,1414)	1:194:A:VAL:HG21	1:64:A:TRP:HZ2	14	0.44
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD21	2	0.44
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	8	0.44
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	13	0.44
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	5	0.44
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	17	0.44
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	19	0.44
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	1	0.44
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	8	0.44
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	7	0.44
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	18	0.44
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	19	0.44
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	4	0.44
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	1	0.44
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	10	0.44
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG13	18	0.44
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	1	0.44
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	3	0.44
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	4	0.44
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	11	0.44
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	15	0.44
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	16	0.44
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	18	0.44
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG11	3	0.44
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	16	0.44
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	5	0.44
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB3	17	0.44
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	6	0.44
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	11	0.44
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	14	0.44
(1,1014)	1:191:A:LYS:H	1:191:A:LYS:HE3	20	0.44
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	9	0.44
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD22	2	0.44
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	2	0.44
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	11	0.44
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	18	0.44
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	19	0.44
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	7	0.44
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	1	0.44
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG21	2	0.44
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	2	0.44
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	11	0.44
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	20	0.44
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	3	0.44
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	6	0.44
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB3	14	0.44
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	3	0.44
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	14	0.44
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	4	0.44
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	15	0.44
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	17	0.44
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	9	0.44
(1,878)	1:128:A:SER:HB2	1:127:A:LEU:HG	16	0.44
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	4	0.44
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD22	11	0.44
(1,829)	1:134:A:LEU:HG	1:134:A:LEU:HD21	17	0.44
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	10	0.44
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	15	0.44
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	17	0.44
(1,754)	1:112:A:ALA:HB1	1:69:A:GLN:HB2	3	0.44
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	7	0.44
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	3	0.44
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	3	0.44
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	12	0.44
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	15	0.44
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	3	0.44
(1,731)	1:157:A:ALA:HB2	1:181:A:VAL:HB	7	0.44
(1,731)	1:157:A:ALA:HB2	1:181:A:VAL:HB	8	0.44
(1,731)	1:157:A:ALA:HB2	1:181:A:VAL:HB	12	0.44
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	12	0.44
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG23	16	0.44
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG23	17	0.44
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	20	0.44
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	17	0.44
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	18	0.44
(1,691)	1:88:A:LEU:HD12	1:88:A:LEU:H	12	0.44
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	6	0.44
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	11	0.44
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	14	0.44
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	15	0.44
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	4	0.44
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG13	16	0.44
(1,630)	1:131:A:LYS:HE3	1:127:A:LEU:HA	12	0.44
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	12	0.44
(1,617)	1:100:A:LEU:HB3	1:94:A:ASN:HA	11	0.44
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	10	0.44
(1,566)	1:139:A:GLN:HA	1:140:A:ASP:HA	4	0.44
(1,556)	1:99:A:SER:HA	1:100:A:LEU:HD23	7	0.44
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG22	12	0.44
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	11	0.44
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	11	0.44
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	16	0.44
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	1	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:72:A:VAL:HG22	1:68:A:MET:HA	3	0.44
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	12	0.44
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	18	0.44
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	7	0.44
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	19	0.44
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	3	0.44
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	7	0.44
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	9	0.44
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	15	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	7	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	9	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	11	0.44
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	15	0.44
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	1	0.44
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	15	0.44
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	1	0.44
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	6	0.44
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	7	0.44
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	8	0.44
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	17	0.44
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	13	0.44
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	15	0.44
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	15	0.44
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	4	0.44
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	7	0.44
(1,287)	1:167:A:GLY:HA3	1:168:A:ASN:HB2	9	0.44
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	12	0.44
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	16	0.44
(1,228)	1:60:A:ARG:HD3	1:170:A:ASN:HA	18	0.44
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	4	0.44
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	5	0.44
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	8	0.44
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	8	0.44
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	12	0.44
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	18	0.44
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	2	0.44
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	3	0.44
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	5	0.44
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	7	0.44
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	9	0.44
(1,158)	1:57:A:PRO:HD3	1:57:A:PRO:HG3	10	0.44
(1,158)	1:12:A:PRO:HD3	1:12:A:PRO:HG3	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	17	0.44
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	18	0.44
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	2	0.44
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	10	0.44
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	8	0.44
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	9	0.44
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD21	10	0.44
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	14	0.44
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB3	2	0.44
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	19	0.44
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	4	0.44
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	10	0.44
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	14	0.44
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	3	0.44
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	6	0.44
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	9	0.44
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	12	0.44
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	17	0.44
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	9	0.43
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	19	0.43
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	2	0.43
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD13	18	0.43
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	4	0.43
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	7	0.43
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	8	0.43
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	10	0.43
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB1	2	0.43
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB1	3	0.43
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	12	0.43
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	13	0.43
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	2	0.43
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	20	0.43
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	8	0.43
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	6	0.43
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	8	0.43
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG11	9	0.43
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	14	0.43
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	2	0.43
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	5	0.43
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	19	0.43
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	20	0.43
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	19	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	4	0.43
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	10	0.43
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	17	0.43
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG21	19	0.43
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	3	0.43
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	4	0.43
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG23	19	0.43
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	19	0.43
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	11	0.43
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	18	0.43
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG21	1	0.43
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG23	4	0.43
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG23	5	0.43
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG22	6	0.43
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG22	10	0.43
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG22	13	0.43
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG23	18	0.43
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	19	0.43
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	13	0.43
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	14	0.43
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD11	9	0.43
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	9	0.43
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	12	0.43
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	15	0.43
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD22	6	0.43
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD23	11	0.43
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD21	14	0.43
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	10	0.43
(1,3647)	1:86:A:VAL:HG22	1:86:A:VAL:HG11	10	0.43
(1,3643)	1:180:A:LEU:HD11	1:159:A:TYR:HD1	15	0.43
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	3	0.43
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	13	0.43
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	17	0.43
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	6	0.43
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	20	0.43
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	18	0.43
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	8	0.43
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	10	0.43
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	5	0.43
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	10	0.43
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	17	0.43
(1,3441)	1:174:A:LEU:HD22	1:71:A:MET:HE1	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB2	5	0.43
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	6	0.43
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	7	0.43
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	9	0.43
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	3	0.43
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	16	0.43
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	1	0.43
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	3	0.43
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	5	0.43
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	14	0.43
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	16	0.43
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	3	0.43
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	10	0.43
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	13	0.43
(1,3357)	1:157:A:ALA:HB3	1:152:A:ALA:H	20	0.43
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	10	0.43
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	18	0.43
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	15	0.43
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB1	5	0.43
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB2	11	0.43
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	4	0.43
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	6	0.43
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	12	0.43
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	3	0.43
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG21	15	0.43
(1,3264)	1:194:A:VAL:HA	1:194:A:VAL:HG23	18	0.43
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG12	11	0.43
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG12	16	0.43
(1,3230)	1:155:A:VAL:HG23	1:155:A:VAL:HG12	18	0.43
(1,3213)	1:88:A:LEU:HD13	1:90:A:ASP:HB3	4	0.43
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	4	0.43
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	17	0.43
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG23	20	0.43
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	1	0.43
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	4	0.43
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	17	0.43
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	9	0.43
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	6	0.43
(1,2781)	1:195:A:SER:HB3	1:194:A:VAL:HG21	4	0.43
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	18	0.43
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	6	0.43
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG23	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	5	0.43
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	12	0.43
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	16	0.43
(1,2693)	1:108:A:THR:HG23	1:64:A:TRP:HD1	18	0.43
(1,2693)	1:108:A:THR:HG22	1:64:A:TRP:HD1	20	0.43
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG21	3	0.43
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG23	5	0.43
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG23	8	0.43
(1,2672)	1:106:A:THR:HG22	1:110:A:ARG:H	8	0.43
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	2	0.43
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	9	0.43
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	15	0.43
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	18	0.43
(1,2610)	1:76:A:LEU:H	1:76:A:LEU:HD22	19	0.43
(1,2609)	1:142:A:LEU:HD22	1:90:A:ASP:HB2	15	0.43
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	7	0.43
(1,2603)	1:100:A:LEU:HD21	1:172:A:PRO:HB2	17	0.43
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	3	0.43
(1,2586)	1:178:A:LEU:HD13	1:179:A:MET:H	4	0.43
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	9	0.43
(1,2586)	1:178:A:LEU:HD13	1:179:A:MET:H	10	0.43
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	15	0.43
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	16	0.43
(1,2529)	1:174:A:LEU:HD21	1:194:A:VAL:HG13	6	0.43
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	3	0.43
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	10	0.43
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	13	0.43
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	10	0.43
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG22	14	0.43
(1,2328)	1:196:A:GLN:HG3	1:60:A:ARG:HB2	4	0.43
(1,2325)	1:196:A:GLN:HG3	1:60:A:ARG:HB3	19	0.43
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	6	0.43
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	12	0.43
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	15	0.43
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	18	0.43
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD21	20	0.43
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	4	0.43
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD22	7	0.43
(1,2141)	1:131:A:LYS:HE3	1:127:A:LEU:HD22	11	0.43
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	2	0.43
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	13	0.43
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	16	0.43
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG12	14	0.43
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	19	0.43
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	11	0.43
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	14	0.43
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	1	0.43
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG13	15	0.43
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	17	0.43
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	19	0.43
(1,1522)	1:163:A:SER:HB3	1:93:A:ASN:H	18	0.43
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	3	0.43
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	16	0.43
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	10	0.43
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	15	0.43
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	3	0.43
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	16	0.43
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	6	0.43
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	9	0.43
(1,1367)	1:76:A:LEU:HD12	1:119:A:PHE:HE2	16	0.43
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	11	0.43
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG23	11	0.43
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG23	20	0.43
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG23	16	0.43
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	6	0.43
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	12	0.43
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	7	0.43
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	19	0.43
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	6	0.43
(1,1200)	1:69:A:GLN:H	1:65:A:ASN:HB2	3	0.43
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	14	0.43
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG23	15	0.43
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG2	13	0.43
(1,1152)	1:102:A:ALA:H	1:106:A:THR:H	1	0.43
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG12	15	0.43
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	1	0.43
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	2	0.43
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	6	0.43
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	20	0.43
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	5	0.43
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	7	0.43
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	9	0.43
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	18	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	17	0.43
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	12	0.43
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	1	0.43
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	7	0.43
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	15	0.43
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	16	0.43
(1,1044)	1:113:A:LEU:H	1:121:A:LEU:HD22	12	0.43
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	12	0.43
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	18	0.43
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD11	16	0.43
(1,982)	1:148:A:ALA:H	1:147:A:LYS:HB3	16	0.43
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	3	0.43
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	4	0.43
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	7	0.43
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	8	0.43
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	16	0.43
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	17	0.43
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	2	0.43
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	17	0.43
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	19	0.43
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD12	3	0.43
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	11	0.43
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	5	0.43
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	10	0.43
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	4	0.43
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	7	0.43
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB2	12	0.43
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	18	0.43
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	20	0.43
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	6	0.43
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	8	0.43
(1,911)	1:188:A:TRP:HE1	1:188:A:TRP:HA	9	0.43
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	10	0.43
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	12	0.43
(1,890)	1:191:A:LYS:HE2	1:175:A:GLN:HG3	6	0.43
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	11	0.43
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	15	0.43
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	18	0.43
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE3	3	0.43
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE3	11	0.43
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	13	0.43
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	14	0.43
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	19	0.43
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	5	0.43
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	10	0.43
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	1	0.43
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	6	0.43
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	8	0.43
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	17	0.43
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	20	0.43
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	2	0.43
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	9	0.43
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	13	0.43
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	3	0.43
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG23	11	0.43
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	14	0.43
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG23	19	0.43
(1,713)	1:67:A:ALA:HB1	1:71:A:MET:HE2	2	0.43
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD12	7	0.43
(1,704)	1:163:A:SER:HA	1:174:A:LEU:HD11	13	0.43
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	3	0.43
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	5	0.43
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	13	0.43
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	1	0.43
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	10	0.43
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG2	5	0.43
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	19	0.43
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	1	0.43
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	7	0.43
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	11	0.43
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	12	0.43
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	14	0.43
(1,545)	1:125:A:GLN:HA	1:125:A:GLN:HG3	1	0.43
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	1	0.43
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	5	0.43
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	6	0.43
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	13	0.43
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	9	0.43
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	12	0.43
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	4	0.43
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	14	0.43
(1,466)	1:72:A:VAL:HG22	1:69:A:GLN:HA	13	0.43
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	17	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	3	0.43
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	6	0.43
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	15	0.43
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	20	0.43
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	1	0.43
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	13	0.43
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	1	0.43
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	11	0.43
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	5	0.43
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	7	0.43
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	12	0.43
(1,394)	1:91:A:SER:HA	1:92:A:VAL:HB	15	0.43
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	11	0.43
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	3	0.43
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	8	0.43
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	14	0.43
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	18	0.43
(1,333)	1:49:A:GLU:HG3	1:49:A:GLU:HA	16	0.43
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	4	0.43
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	9	0.43
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	13	0.43
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	1	0.43
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	2	0.43
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	5	0.43
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	6	0.43
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	10	0.43
(1,258)	1:118:A:LYS:HA	1:118:A:LYS:HE3	5	0.43
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	8	0.43
(1,246)	1:74:A:LYS:HE3	1:188:A:TRP:HZ2	1	0.43
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD11	14	0.43
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	15	0.43
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	6	0.43
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	2	0.43
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	20	0.43
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	16	0.43
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	2	0.43
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	6	0.43
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	6	0.43
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	14	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	1	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	5	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	11	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	15	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD21	18	0.43
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	19	0.43
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	5	0.43
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	17	0.43
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG22	6	0.43
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	20	0.43
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	4	0.43
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB1	17	0.43
(1,38)	1:166:A:SER:HB3	1:96:A:THR:HA	7	0.43
(1,24)	1:163:A:SER:HB3	1:106:A:THR:HG21	8	0.43
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	1	0.43
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	2	0.43
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	5	0.43
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	13	0.43
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	4	0.43
(1,5384)	1:109:A:LEU:HD21	1:112:A:ALA:HB1	20	0.42
(1,5384)	1:109:A:LEU:HD21	1:112:A:ALA:HB2	20	0.42
(1,5384)	1:109:A:LEU:HD21	1:112:A:ALA:HB3	20	0.42
(1,5384)	1:109:A:LEU:HD22	1:112:A:ALA:HB1	20	0.42
(1,5384)	1:109:A:LEU:HD22	1:112:A:ALA:HB2	20	0.42
(1,5384)	1:109:A:LEU:HD22	1:112:A:ALA:HB3	20	0.42
(1,5384)	1:109:A:LEU:HD23	1:112:A:ALA:HB1	20	0.42
(1,5384)	1:109:A:LEU:HD23	1:112:A:ALA:HB2	20	0.42
(1,5384)	1:109:A:LEU:HD23	1:112:A:ALA:HB3	20	0.42
(1,5203)	1:109:A:LEU:HD21	1:112:A:ALA:HB1	20	0.42
(1,5203)	1:109:A:LEU:HD21	1:112:A:ALA:HB2	20	0.42
(1,5203)	1:109:A:LEU:HD21	1:112:A:ALA:HB3	20	0.42
(1,5203)	1:109:A:LEU:HD22	1:112:A:ALA:HB1	20	0.42
(1,5203)	1:109:A:LEU:HD22	1:112:A:ALA:HB2	20	0.42
(1,5203)	1:109:A:LEU:HD22	1:112:A:ALA:HB3	20	0.42
(1,5203)	1:109:A:LEU:HD23	1:112:A:ALA:HB1	20	0.42
(1,5203)	1:109:A:LEU:HD23	1:112:A:ALA:HB2	20	0.42
(1,5203)	1:109:A:LEU:HD23	1:112:A:ALA:HB3	20	0.42
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	8	0.42
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	15	0.42
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	4	0.42
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	17	0.42
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	20	0.42
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	10	0.42
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG21	19	0.42
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	20	0.42
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	3	0.42
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	5	0.42
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	9	0.42
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	13	0.42
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	20	0.42
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB1	5	0.42
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	9	0.42
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	11	0.42
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	18	0.42
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG11	2	0.42
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	12	0.42
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	19	0.42
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	1	0.42
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB3	3	0.42
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB3	19	0.42
(1,4517)	1:139:A:GLN:H	1:139:A:GLN:HB3	20	0.42
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	4	0.42
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	13	0.42
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	1	0.42
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	5	0.42
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	7	0.42
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	12	0.42
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	13	0.42
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	20	0.42
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	8	0.42
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	9	0.42
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	18	0.42
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	5	0.42
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	14	0.42
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	1	0.42
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	19	0.42
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG21	5	0.42
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG23	11	0.42
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG23	20	0.42
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	10	0.42
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	2	0.42
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	5	0.42
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	6	0.42
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	19	0.42
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG22	2	0.42
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG23	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG21	8	0.42
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG21	9	0.42
(1,3911)	1:181:A:VAL:HG12	1:181:A:VAL:HG23	14	0.42
(1,3911)	1:181:A:VAL:HG13	1:181:A:VAL:HG21	19	0.42
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG23	20	0.42
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	10	0.42
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE2	19	0.42
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	4	0.42
(1,3798)	1:88:A:LEU:HD13	1:88:A:LEU:HA	11	0.42
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	6	0.42
(1,3738)	1:177:A:GLN:HA	1:161:A:LEU:HD12	4	0.42
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	3	0.42
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB1	14	0.42
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	1	0.42
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	3	0.42
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD11	11	0.42
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	14	0.42
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD21	3	0.42
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD21	7	0.42
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	1	0.42
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	15	0.42
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD22	6	0.42
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG21	3	0.42
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG21	6	0.42
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG22	14	0.42
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG13	7	0.42
(1,3580)	1:185:A:GLU:H	1:149:A:ILE:HD11	19	0.42
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	7	0.42
(1,3559)	1:187:A:ILE:HD13	1:159:A:TYR:HA	14	0.42
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	2	0.42
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	4	0.42
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	12	0.42
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	19	0.42
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	4	0.42
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	15	0.42
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	4	0.42
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	6	0.42
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	8	0.42
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	17	0.42
(1,3430)	1:94:A:ASN:H	1:102:A:ALA:HB1	20	0.42
(1,3420)	1:176:A:MET:HE1	1:109:A:LEU:HD23	17	0.42
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	2	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	4	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	6	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	7	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	10	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	11	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	13	0.42
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	17	0.42
(1,3357)	1:157:A:ALA:HB2	1:152:A:ALA:H	7	0.42
(1,3357)	1:157:A:ALA:HB3	1:152:A:ALA:H	14	0.42
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	15	0.42
(1,3357)	1:157:A:ALA:HB3	1:152:A:ALA:H	17	0.42
(1,3357)	1:157:A:ALA:HB1	1:152:A:ALA:H	19	0.42
(1,3356)	1:157:A:ALA:HB1	1:126:A:GLN:HE21	11	0.42
(1,3356)	1:157:A:ALA:HB3	1:126:A:GLN:HE21	12	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	2	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	3	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	4	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB2	8	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	9	0.42
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB3	20	0.42
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB2	6	0.42
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB2	17	0.42
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	5	0.42
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	7	0.42
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	12	0.42
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	14	0.42
(1,3316)	1:92:A:VAL:HG13	1:94:A:ASN:HA	15	0.42
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	16	0.42
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	18	0.42
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	11	0.42
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	8	0.42
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	9	0.42
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB1	11	0.42
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	15	0.42
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	1	0.42
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	8	0.42
(1,3272)	1:92:A:VAL:HG22	1:106:A:THR:HG22	11	0.42
(1,3230)	1:155:A:VAL:HG21	1:155:A:VAL:HG13	1	0.42
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD23	1	0.42
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	5	0.42
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	10	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD23	11	0.42
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB2	10	0.42
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD21	15	0.42
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG21	9	0.42
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	12	0.42
(1,3056)	1:175:A:GLN:HG2	1:191:A:LYS:HD2	16	0.42
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	8	0.42
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	16	0.42
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	19	0.42
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	20	0.42
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	14	0.42
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	3	0.42
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	13	0.42
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	13	0.42
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	15	0.42
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	9	0.42
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG22	11	0.42
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG21	4	0.42
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG21	7	0.42
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG23	9	0.42
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG22	11	0.42
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG21	18	0.42
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	1	0.42
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	2	0.42
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	7	0.42
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	10	0.42
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG22	14	0.42
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD11	5	0.42
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD12	19	0.42
(1,2644)	1:113:A:LEU:HB2	1:113:A:LEU:HD13	20	0.42
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	18	0.42
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	5	0.42
(1,2586)	1:178:A:LEU:HD12	1:179:A:MET:H	12	0.42
(1,2586)	1:178:A:LEU:HD11	1:179:A:MET:H	17	0.42
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD11	9	0.42
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	13	0.42
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	17	0.42
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	2	0.42
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	7	0.42
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	14	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	1	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	3	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	5	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	6	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	9	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	10	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	11	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	12	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	13	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	14	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	15	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	16	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	17	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	18	0.42
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	19	0.42
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	7	0.42
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	20	0.42
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	18	0.42
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	5	0.42
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	5	0.42
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	3	0.42
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	19	0.42
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	14	0.42
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	6	0.42
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	11	0.42
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	1	0.42
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	8	0.42
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	20	0.42
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	17	0.42
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	9	0.42
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	11	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG13	2	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	3	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	8	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG13	9	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	12	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG13	19	0.42
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	20	0.42
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	5	0.42
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	2	0.42
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	10	0.42
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	11	0.42
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1432)	1:178:A:LEU:HD21	1:119:A:PHE:HZ	19	0.42
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	4	0.42
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	16	0.42
(1,1414)	1:194:A:VAL:HG22	1:64:A:TRP:HZ2	18	0.42
(1,1414)	1:194:A:VAL:HG21	1:64:A:TRP:HZ2	20	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	7	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	9	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD21	10	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	11	0.42
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	14	0.42
(1,1314)	1:62:A:TYR:HE2	1:194:A:VAL:HG22	13	0.42
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	4	0.42
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	9	0.42
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	17	0.42
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	17	0.42
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	7	0.42
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	9	0.42
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	2	0.42
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	4	0.42
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	15	0.42
(1,1179)	1:64:A:TRP:H	1:197:A:GLN:HE21	10	0.42
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	7	0.42
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	13	0.42
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	12	0.42
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	10	0.42
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	9	0.42
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	12	0.42
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB2	9	0.42
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	8	0.42
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG13	5	0.42
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	7	0.42
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	11	0.42
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	13	0.42
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	2	0.42
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	10	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	3	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	6	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	13	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	17	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	18	0.42
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	20	0.42
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	8	0.42
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	13	0.42
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	15	0.42
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG23	11	0.42
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	18	0.42
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	9	0.42
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	20	0.42
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	19	0.42
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	6	0.42
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	15	0.42
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	1	0.42
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	5	0.42
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	9	0.42
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB3	10	0.42
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	5	0.42
(1,891)	1:191:A:LYS:HE3	1:175:A:GLN:HG2	18	0.42
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	18	0.42
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	20	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	2	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	3	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	4	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	5	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	6	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG21	8	0.42
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	14	0.42
(1,869)	1:127:A:LEU:HD11	1:129:A:MET:H	15	0.42
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	16	0.42
(1,787)	1:134:A:LEU:HD12	1:150:A:GLY:H	11	0.42
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	2	0.42
(1,770)	1:151:A:ILE:HD12	1:154:A:ASN:HD21	13	0.42
(1,754)	1:112:A:ALA:HB1	1:69:A:GLN:HB2	17	0.42
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	10	0.42
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	14	0.42
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	20	0.42
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE3	5	0.42
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	12	0.42
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	9	0.42
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	1	0.42
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	10	0.42
(1,731)	1:157:A:ALA:HB3	1:181:A:VAL:HB	17	0.42
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	19	0.42
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	6	0.42
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	9	0.42
(1,685)	1:34:A:PRO:HG3	1:34:A:PRO:HA	1	0.42
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG3	19	0.42
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	6	0.42
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	7	0.42
(1,630)	1:131:A:LYS:HE3	1:141:A:SER:HB2	4	0.42
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	11	0.42
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	13	0.42
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	4	0.42
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	5	0.42
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	9	0.42
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	14	0.42
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	16	0.42
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	5	0.42
(1,488)	1:72:A:VAL:HA	1:73:A:SER:HB3	13	0.42
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	10	0.42
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	11	0.42
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	17	0.42
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	16	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	3	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	4	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	6	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	9	0.42
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD21	16	0.42
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	5	0.42
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	14	0.42
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	17	0.42
(1,413)	1:118:A:LYS:HD2	1:76:A:LEU:HA	11	0.42
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	3	0.42
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	6	0.42
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	14	0.42
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	18	0.42
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	19	0.42
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD23	5	0.42
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	7	0.42
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	11	0.42
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	18	0.42
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	8	0.42
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	1	0.42
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD23	19	0.42
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,348)	1:69:A:GLN:HG2	1:65:A:ASN:HB2	14	0.42
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	12	0.42
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	2	0.42
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	10	0.42
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	13	0.42
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	19	0.42
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	5	0.42
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	16	0.42
(1,306)	1:111:A:ASN:HB3	1:111:A:ASN:HD22	20	0.42
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	4	0.42
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	6	0.42
(1,295)	1:153:A:ARG:H	1:154:A:ASN:HB3	19	0.42
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	2	0.42
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	19	0.42
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HD11	20	0.42
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	14	0.42
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD13	3	0.42
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD13	7	0.42
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD12	9	0.42
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	1	0.42
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	10	0.42
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	13	0.42
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	14	0.42
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	19	0.42
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	6	0.42
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	9	0.42
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	13	0.42
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD21	1	0.42
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	17	0.42
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	12	0.42
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	13	0.42
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	1	0.42
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	2	0.42
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	6	0.42
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	8	0.42
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	14	0.42
(1,66)	1:81:A:VAL:HA	1:78:A:ALA:HB1	5	0.42
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB1	6	0.42
(1,38)	1:166:A:SER:HB3	1:96:A:THR:HA	14	0.42
(1,38)	1:166:A:SER:HB3	1:96:A:THR:HA	17	0.42
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD11	16	0.42
(1,32)	1:163:A:SER:HB3	1:174:A:LEU:HD23	19	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	14	0.42
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	17	0.42
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	3	0.42
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	15	0.42
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	14	0.41
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	14	0.41
(1,4992)	1:115:A:ASN:HD22	1:115:A:ASN:HA	14	0.41
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	9	0.41
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	12	0.41
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG21	16	0.41
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	18	0.41
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG11	15	0.41
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	7	0.41
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	2	0.41
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	6	0.41
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	16	0.41
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	1	0.41
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	10	0.41
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	13	0.41
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	4	0.41
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	6	0.41
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	13	0.41
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB3	14	0.41
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB3	16	0.41
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB2	5	0.41
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	15	0.41
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	16	0.41
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	7	0.41
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	16	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	4	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	6	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	8	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	11	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	17	0.41
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	18	0.41
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	1	0.41
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	10	0.41
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	11	0.41
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	14	0.41
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	15	0.41
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	17	0.41
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	5	0.41
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG13	6	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	3	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	5	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	12	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	14	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG21	16	0.41
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG21	17	0.41
(1,3997)	1:93:A:ASN:H	1:92:A:VAL:HG22	10	0.41
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	12	0.41
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	3	0.41
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	7	0.41
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG23	11	0.41
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	5	0.41
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	8	0.41
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	13	0.41
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	17	0.41
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	7	0.41
(1,3805)	1:142:A:LEU:HD22	1:162:A:TYR:HE1	12	0.41
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	17	0.41
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB1	2	0.41
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB1	3	0.41
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD13	16	0.41
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD11	16	0.41
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	5	0.41
(1,3654)	1:88:A:LEU:HD12	1:88:A:LEU:HD21	13	0.41
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD23	16	0.41
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	3	0.41
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	7	0.41
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	18	0.41
(1,3633)	1:89:A:VAL:HG11	1:89:A:VAL:HG23	4	0.41
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	8	0.41
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	17	0.41
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG22	1	0.41
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG22	7	0.41
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	1	0.41
(1,3525)	1:149:A:ILE:HG22	1:146:A:SER:HA	9	0.41
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	10	0.41
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	11	0.41
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	15	0.41
(1,3509)	1:75:A:MET:HE2	1:188:A:TRP:HE3	19	0.41
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG21	6	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	7	0.41
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	9	0.41
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB3	6	0.41
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB3	17	0.41
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE3	18	0.41
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	18	0.41
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	3	0.41
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	13	0.41
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	18	0.41
(1,3423)	1:176:A:MET:HE3	1:72:A:VAL:HA	20	0.41
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	12	0.41
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	9	0.41
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	12	0.41
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	18	0.41
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	19	0.41
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	1	0.41
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB3	6	0.41
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	13	0.41
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB3	4	0.41
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG13	9	0.41
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	13	0.41
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	14	0.41
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	16	0.41
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	3	0.41
(1,3316)	1:92:A:VAL:HG13	1:94:A:ASN:HA	9	0.41
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	13	0.41
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	17	0.41
(1,3316)	1:92:A:VAL:HG13	1:94:A:ASN:HA	19	0.41
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	3	0.41
(1,3285)	1:67:A:ALA:HB1	1:64:A:TRP:H	20	0.41
(1,3213)	1:88:A:LEU:HD11	1:90:A:ASP:HB3	2	0.41
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	6	0.41
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD12	2	0.41
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	3	0.41
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	6	0.41
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	9	0.41
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	16	0.41
(1,3137)	1:174:A:LEU:HD23	1:105:A:ALA:HB1	1	0.41
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	5	0.41
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	17	0.41
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	5	0.41
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	13	0.41
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	16	0.41
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	2	0.41
(1,2994)	1:159:A:TYR:HB2	1:159:A:TYR:HE1	20	0.41
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	2	0.41
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	10	0.41
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	11	0.41
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	12	0.41
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG23	18	0.41
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG22	13	0.41
(1,2682)	1:155:A:VAL:HG23	1:151:A:ILE:HG22	17	0.41
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	16	0.41
(1,2672)	1:106:A:THR:HG22	1:110:A:ARG:H	1	0.41
(1,2630)	1:100:A:LEU:HD13	1:105:A:ALA:HB3	13	0.41
(1,2603)	1:100:A:LEU:HD21	1:172:A:PRO:HB2	12	0.41
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	6	0.41
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	16	0.41
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	20	0.41
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG21	11	0.41
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	11	0.41
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	7	0.41
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	4	0.41
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	8	0.41
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	20	0.41
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	1	0.41
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	2	0.41
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	4	0.41
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	11	0.41
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	13	0.41
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	7	0.41
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	11	0.41
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	6	0.41
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	1	0.41
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	9	0.41
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB1	14	0.41
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB1	14	0.41
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	15	0.41
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	9	0.41
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG12	17	0.41
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD12	16	0.41
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	15	0.41
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	7	0.41
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	18	0.41
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	12	0.41
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	18	0.41
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	19	0.41
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	5	0.41
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	6	0.41
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	11	0.41
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	13	0.41
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG11	14	0.41
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	3	0.41
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG12	9	0.41
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG22	2	0.41
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	1	0.41
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	6	0.41
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	11	0.41
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	14	0.41
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	15	0.41
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	12	0.41
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	20	0.41
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD23	5	0.41
(1,1417)	1:178:A:LEU:HD13	1:159:A:TYR:HE2	10	0.41
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	4	0.41
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	4	0.41
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	8	0.41
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	15	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	1	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	4	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	6	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	7	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	9	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	10	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	13	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	14	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	17	0.41
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	19	0.41
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	15	0.41
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	14	0.41
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	7	0.41
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	8	0.41
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	5	0.41
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	12	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	15	0.41
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	11	0.41
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	1	0.41
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	4	0.41
(1,1147)	1:64:A:TRP:HE1	1:60:A:ARG:H	9	0.41
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	20	0.41
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG12	4	0.41
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG13	20	0.41
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG11	5	0.41
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	8	0.41
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	10	0.41
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	19	0.41
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	13	0.41
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	4	0.41
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	8	0.41
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	9	0.41
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG13	14	0.41
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG13	16	0.41
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	4	0.41
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	4	0.41
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	5	0.41
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	8	0.41
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	9	0.41
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	19	0.41
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	12	0.41
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	14	0.41
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD13	9	0.41
(1,964)	1:194:A:VAL:H	1:194:A:VAL:HB	14	0.41
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	4	0.41
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	5	0.41
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	17	0.41
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	3	0.41
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	9	0.41
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	18	0.41
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	1	0.41
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD12	9	0.41
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	3	0.41
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	12	0.41
(1,919)	1:95:A:ARG:H	1:164:A:SER:HB3	19	0.41
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG23	11	0.41
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	17	0.41
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	19	0.41
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	4	0.41
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	9	0.41
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	10	0.41
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	11	0.41
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	12	0.41
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	17	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	7	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	10	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG21	13	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	16	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG23	18	0.41
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	19	0.41
(1,845)	1:191:A:LYS:HG3	1:191:A:LYS:HE2	6	0.41
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	18	0.41
(1,772)	1:151:A:ILE:HD13	1:141:A:SER:HA	19	0.41
(1,770)	1:151:A:ILE:HD13	1:154:A:ASN:HD21	11	0.41
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	4	0.41
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	5	0.41
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	13	0.41
(1,745)	1:161:A:LEU:HD13	1:176:A:MET:HE2	13	0.41
(1,745)	1:174:A:LEU:HD22	1:176:A:MET:HE3	15	0.41
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	19	0.41
(1,731)	1:157:A:ALA:HB3	1:181:A:VAL:HB	14	0.41
(1,731)	1:157:A:ALA:HB3	1:181:A:VAL:HB	20	0.41
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	2	0.41
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	10	0.41
(1,713)	1:67:A:ALA:HB3	1:71:A:MET:HE2	1	0.41
(1,713)	1:67:A:ALA:HB1	1:71:A:MET:HE2	11	0.41
(1,713)	1:67:A:ALA:HB3	1:71:A:MET:HE2	16	0.41
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	3	0.41
(1,699)	1:178:A:LEU:HD12	1:75:A:MET:HG2	10	0.41
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	16	0.41
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	7	0.41
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	8	0.41
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	10	0.41
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	18	0.41
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	20	0.41
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	6	0.41
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	4	0.41
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	12	0.41
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD22	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	7	0.41
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	7	0.41
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	7	0.41
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	18	0.41
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	20	0.41
(1,576)	1:100:A:LEU:HD13	1:100:A:LEU:HA	3	0.41
(1,576)	1:100:A:LEU:HD13	1:100:A:LEU:HA	10	0.41
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	17	0.41
(1,576)	1:100:A:LEU:HD13	1:100:A:LEU:HA	18	0.41
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	18	0.41
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	15	0.41
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	20	0.41
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	1	0.41
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	7	0.41
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	13	0.41
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	19	0.41
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	17	0.41
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	2	0.41
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG21	10	0.41
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	6	0.41
(1,466)	1:72:A:VAL:HG21	1:68:A:MET:HA	7	0.41
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	7	0.41
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	5	0.41
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	15	0.41
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	17	0.41
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	6	0.41
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	10	0.41
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	19	0.41
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	9	0.41
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	1	0.41
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	15	0.41
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	8	0.41
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	1	0.41
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	6	0.41
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	11	0.41
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	15	0.41
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	11	0.41
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB2	7	0.41
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	8	0.41
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	8	0.41
(1,252)	1:131:A:LYS:HE2	1:151:A:ILE:HD12	18	0.41
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD13	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	2	0.41
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	7	0.41
(1,169)	1:135:A:GLY:HA2	1:134:A:LEU:HB2	13	0.41
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	16	0.41
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	9	0.41
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD23	4	0.41
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	6	0.41
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD22	16	0.41
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG21	4	0.41
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	14	0.41
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	6	0.41
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	3	0.41
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	13	0.41
(1,38)	1:166:A:SER:HB3	1:96:A:THR:HA	4	0.41
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	4	0.41
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	7	0.41
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	11	0.41
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	18	0.41
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB2	20	0.41
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	3	0.4
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	19	0.4
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB2	8	0.4
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	20	0.4
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	1	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	1	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	3	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	13	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	14	0.4
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG21	17	0.4
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	17	0.4
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	14	0.4
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	6	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB3	2	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	3	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	5	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	8	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	11	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	18	0.4
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB3	20	0.4
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	4	0.4
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	20	0.4
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	14	0.4
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	3	0.4
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	6	0.4
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	6	0.4
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	12	0.4
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	2	0.4
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	8	0.4
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	20	0.4
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD11	10	0.4
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	16	0.4
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG12	8	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	4	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	6	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	8	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	9	0.4
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	18	0.4
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	18	0.4
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	8	0.4
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD1	7	0.4
(1,3911)	1:181:A:VAL:HG11	1:181:A:VAL:HG22	3	0.4
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	13	0.4
(1,3858)	1:48:A:HIS:HB3	1:48:A:HIS:HA	10	0.4
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	2	0.4
(1,3827)	1:149:A:ILE:HG23	1:153:A:ARG:HE	15	0.4
(1,3798)	1:88:A:LEU:HD11	1:88:A:LEU:HA	2	0.4
(1,3798)	1:88:A:LEU:HD13	1:88:A:LEU:HA	4	0.4
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	7	0.4
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG13	18	0.4
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB1	5	0.4
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	18	0.4
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB1	20	0.4
(1,3654)	1:88:A:LEU:HD13	1:88:A:LEU:HD23	5	0.4
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD21	9	0.4
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	4	0.4
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	12	0.4
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	17	0.4
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	19	0.4
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	20	0.4
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG22	1	0.4
(1,3633)	1:89:A:VAL:HG11	1:89:A:VAL:HG21	17	0.4
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	13	0.4
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD13	5	0.4
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	18	0.4
(1,3559)	1:187:A:ILE:HD11	1:159:A:TYR:HA	7	0.4
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	16	0.4
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG22	6	0.4
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	3	0.4
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	6	0.4
(1,3525)	1:149:A:ILE:HG22	1:146:A:SER:HA	15	0.4
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	1	0.4
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	12	0.4
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	19	0.4
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	17	0.4
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	18	0.4
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB1	20	0.4
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	12	0.4
(1,3423)	1:176:A:MET:HE3	1:72:A:VAL:HA	5	0.4
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	15	0.4
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	5	0.4
(1,3392)	1:130:A:ALA:HB3	1:133:A:GLN:HG3	12	0.4
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	10	0.4
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	11	0.4
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	15	0.4
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	20	0.4
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	4	0.4
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	19	0.4
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB2	14	0.4
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB3	15	0.4
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB3	18	0.4
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	17	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	3	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	4	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	5	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	6	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	7	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	8	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	10	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	11	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG13	15	0.4
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG13	19	0.4
(1,3316)	1:92:A:VAL:HG13	1:94:A:ASN:HA	2	0.4
(1,3316)	1:92:A:VAL:HG12	1:94:A:ASN:HA	10	0.4
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3309)	1:142:A:LEU:HD13	1:160:A:VAL:HG21	12	0.4
(1,3300)	1:193:A:ALA:HB1	1:174:A:LEU:H	20	0.4
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	2	0.4
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	12	0.4
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	16	0.4
(1,3213)	1:88:A:LEU:HD11	1:90:A:ASP:HB3	5	0.4
(1,3160)	1:109:A:LEU:HD13	1:87:A:LEU:HD13	4	0.4
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	8	0.4
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD23	13	0.4
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	14	0.4
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB2	11	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	1	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	4	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG23	6	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	8	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG21	10	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG23	11	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG23	14	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	16	0.4
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG21	18	0.4
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	20	0.4
(1,3047)	1:185:A:GLU:H	1:185:A:GLU:HG3	17	0.4
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	18	0.4
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	2	0.4
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	3	0.4
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	10	0.4
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	14	0.4
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	11	0.4
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	1	0.4
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	12	0.4
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	16	0.4
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	2	0.4
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	11	0.4
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB1	7	0.4
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	4	0.4
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	10	0.4
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	11	0.4
(1,2767)	1:177:A:GLN:HE22	1:189:A:SER:HB2	7	0.4
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	6	0.4
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	9	0.4
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	17	0.4
(1,2701)	1:184:A:GLY:H	1:183:A:THR:HG21	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG22	6	0.4
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG23	20	0.4
(1,2667)	1:73:A:SER:H	1:72:A:VAL:HG23	19	0.4
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	7	0.4
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	15	0.4
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD13	18	0.4
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD12	20	0.4
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB3	1	0.4
(1,2630)	1:100:A:LEU:HD11	1:105:A:ALA:HB2	2	0.4
(1,2603)	1:100:A:LEU:HD21	1:172:A:PRO:HB2	8	0.4
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	2	0.4
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	8	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	7	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	11	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	12	0.4
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD11	19	0.4
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	12	0.4
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	16	0.4
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	20	0.4
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	16	0.4
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	13	0.4
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	12	0.4
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	6	0.4
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	3	0.4
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	5	0.4
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	10	0.4
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	11	0.4
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	13	0.4
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	4	0.4
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	6	0.4
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	9	0.4
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	15	0.4
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	3	0.4
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	13	0.4
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD12	5	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB1	2	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	8	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	13	0.4
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB1	20	0.4
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB1	4	0.4
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	20	0.4
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB1	5	0.4
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	9	0.4
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB3	13	0.4
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	15	0.4
(1,1679)	1:131:A:LYS:HA	1:131:A:LYS:HE2	16	0.4
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	8	0.4
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	11	0.4
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	2	0.4
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	12	0.4
(1,1551)	1:164:A:SER:HB3	1:92:A:VAL:HG12	7	0.4
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	10	0.4
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	14	0.4
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG11	6	0.4
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG11	17	0.4
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	13	0.4
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	16	0.4
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	12	0.4
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	16	0.4
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	9	0.4
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD23	20	0.4
(1,1382)	1:87:A:LEU:HD12	1:119:A:PHE:HD2	4	0.4
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	12	0.4
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	20	0.4
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	4	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	2	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	3	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	5	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	11	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	12	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	15	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	16	0.4
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	20	0.4
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	4	0.4
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	5	0.4
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	8	0.4
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	10	0.4
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	18	0.4
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	8	0.4
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	11	0.4
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	20	0.4
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	4	0.4
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HG	10	0.4
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG13	2	0.4
(1,1118)	1:96:A:THR:H	1:95:A:ARG:HD3	20	0.4
(1,1101)	1:168:A:ASN:HD22	1:168:A:ASN:HB3	9	0.4
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD22	1	0.4
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	2	0.4
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	3	0.4
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD11	2	0.4
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	12	0.4
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD12	14	0.4
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD13	18	0.4
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	9	0.4
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	18	0.4
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	19	0.4
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	5	0.4
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	8	0.4
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	12	0.4
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG23	19	0.4
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	2	0.4
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	16	0.4
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	6	0.4
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	11	0.4
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	14	0.4
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	20	0.4
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD12	19	0.4
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	9	0.4
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	18	0.4
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	1	0.4
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG21	12	0.4
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	20	0.4
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE3	15	0.4
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	17	0.4
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	3	0.4
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	2	0.4
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB2	1	0.4
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	19	0.4
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	8	0.4
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	9	0.4
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	16	0.4
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	17	0.4
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	4	0.4
(1,731)	1:157:A:ALA:HB3	1:181:A:VAL:HB	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	15	0.4
(1,731)	1:157:A:ALA:HB1	1:181:A:VAL:HB	18	0.4
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	6	0.4
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HG2	20	0.4
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	19	0.4
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	10	0.4
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	11	0.4
(1,674)	1:110:A:ARG:HB3	1:121:A:LEU:HD22	13	0.4
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	16	0.4
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB3	12	0.4
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG22	3	0.4
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	9	0.4
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	10	0.4
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD13	20	0.4
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	2	0.4
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	8	0.4
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	15	0.4
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	20	0.4
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	8	0.4
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	16	0.4
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	20	0.4
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	9	0.4
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	14	0.4
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	17	0.4
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	6	0.4
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	19	0.4
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	11	0.4
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	1	0.4
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG21	3	0.4
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	9	0.4
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG21	17	0.4
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	5	0.4
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	10	0.4
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	11	0.4
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD23	18	0.4
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	16	0.4
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	15	0.4
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	20	0.4
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD22	20	0.4
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD22	2	0.4
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	4	0.4
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	18	0.4
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	2	0.4
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB3	3	0.4
(1,303)	1:111:A:ASN:HB2	1:112:A:ALA:HB1	14	0.4
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	3	0.4
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	19	0.4
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	11	0.4
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	11	0.4
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	15	0.4
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	14	0.4
(1,158)	1:12:A:PRO:HD2	1:12:A:PRO:HG2	20	0.4
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	12	0.4
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	7	0.4
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	13	0.4
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	18	0.4
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	15	0.4
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	7	0.4
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	18	0.4
(1,70)	1:73:A:SER:HB3	1:74:A:LYS:H	19	0.4
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	4	0.4
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	13	0.4
(1,54)	1:149:A:ILE:HA	1:146:A:SER:HA	16	0.4
(1,38)	1:166:A:SER:HB3	1:96:A:THR:HA	18	0.4
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	19	0.4
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	1	0.4
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	20	0.4
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	18	0.39
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	18	0.39
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	18	0.39
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	19	0.39
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	19	0.39
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	19	0.39
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	18	0.39
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	18	0.39
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	18	0.39
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	19	0.39
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	19	0.39
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	19	0.39
(1,5094)	1:4:A:MET:H	1:4:A:MET:HG3	2	0.39
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	14	0.39
(1,4980)	1:164:A:SER:H	1:165:A:ALA:HB3	12	0.39
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	5	0.39
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	6	0.39
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	7	0.39
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG23	8	0.39
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	6	0.39
(1,4851)	1:188:A:TRP:H	1:187:A:ILE:HG12	19	0.39
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	8	0.39
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	16	0.39
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB1	20	0.39
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	10	0.39
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG11	15	0.39
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	1	0.39
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	7	0.39
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	9	0.39
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB2	10	0.39
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	17	0.39
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB3	4	0.39
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	16	0.39
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	10	0.39
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	7	0.39
(1,4404)	1:149:A:ILE:H	1:149:A:ILE:HG12	13	0.39
(1,4329)	1:118:A:LYS:H	1:119:A:PHE:HD2	5	0.39
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	1	0.39
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	13	0.39
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	14	0.39
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	17	0.39
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	2	0.39
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	4	0.39
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	5	0.39
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	8	0.39
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	9	0.39
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	13	0.39
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	15	0.39
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	20	0.39
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	13	0.39
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	16	0.39
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	1	0.39
(1,3873)	1:131:A:LYS:HE3	1:127:A:LEU:HG	12	0.39
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	10	0.39
(1,3827)	1:149:A:ILE:HG23	1:153:A:ARG:HE	13	0.39
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	8	0.39
(1,3798)	1:88:A:LEU:HD11	1:88:A:LEU:HA	5	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	8	0.39
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	10	0.39
(1,3798)	1:88:A:LEU:HD13	1:88:A:LEU:HA	13	0.39
(1,3798)	1:88:A:LEU:HD13	1:88:A:LEU:HA	15	0.39
(1,3778)	1:126:A:GLN:HG2	1:123:A:SER:H	13	0.39
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	5	0.39
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	9	0.39
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG13	19	0.39
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	8	0.39
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	1	0.39
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD22	10	0.39
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD22	19	0.39
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	8	0.39
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	10	0.39
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	14	0.39
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG21	7	0.39
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG23	16	0.39
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG22	18	0.39
(1,3630)	1:174:A:LEU:HD12	1:64:A:TRP:HH2	18	0.39
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD11	12	0.39
(1,3550)	1:187:A:ILE:HD13	1:81:A:VAL:HG23	10	0.39
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	7	0.39
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	18	0.39
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	20	0.39
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	15	0.39
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	18	0.39
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	20	0.39
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	10	0.39
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	16	0.39
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	15	0.39
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	9	0.39
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	15	0.39
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	14	0.39
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	7	0.39
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	16	0.39
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB1	20	0.39
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG13	20	0.39
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	4	0.39
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	6	0.39
(1,3363)	1:68:A:MET:HE3	1:68:A:MET:H	8	0.39
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	9	0.39
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB2	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	10	0.39
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB2	12	0.39
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB3	13	0.39
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB2	20	0.39
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	1	0.39
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG13	2	0.39
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	17	0.39
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG12	18	0.39
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	1	0.39
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB1	6	0.39
(1,3247)	1:65:A:ASN:HD21	1:108:A:THR:HG21	20	0.39
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	2	0.39
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	8	0.39
(1,3213)	1:88:A:LEU:HD13	1:90:A:ASP:HB3	11	0.39
(1,3164)	1:161:A:LEU:HB3	1:87:A:LEU:HD21	16	0.39
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	8	0.39
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	14	0.39
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	2	0.39
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG21	2	0.39
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	13	0.39
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	12	0.39
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	9	0.39
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	8	0.39
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	16	0.39
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	18	0.39
(1,2816)	1:72:A:VAL:HG21	1:69:A:GLN:HA	3	0.39
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	7	0.39
(1,2816)	1:72:A:VAL:HG21	1:69:A:GLN:HA	9	0.39
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	16	0.39
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB3	16	0.39
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	1	0.39
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	1	0.39
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG22	4	0.39
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	17	0.39
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	4	0.39
(1,2755)	1:163:A:SER:HB3	1:176:A:MET:HE1	12	0.39
(1,2707)	1:173:A:THR:HG22	1:191:A:LYS:HE3	1	0.39
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG21	16	0.39
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	11	0.39
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	12	0.39
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	4	0.39
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2672)	1:106:A:THR:HG22	1:110:A:ARG:H	9	0.39
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	14	0.39
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	18	0.39
(1,2672)	1:106:A:THR:HG22	1:110:A:ARG:H	19	0.39
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	5	0.39
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	5	0.39
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	10	0.39
(1,2463)	1:72:A:VAL:HA	1:75:A:MET:HG3	19	0.39
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	4	0.39
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	6	0.39
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	17	0.39
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG21	3	0.39
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	5	0.39
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	7	0.39
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG23	8	0.39
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	12	0.39
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	17	0.39
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	3	0.39
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	5	0.39
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	17	0.39
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	6	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	6	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	7	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	8	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	14	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	15	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	17	0.39
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	20	0.39
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	2	0.39
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	16	0.39
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	1	0.39
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	5	0.39
(1,2074)	1:159:A:TYR:HB3	1:87:A:LEU:HD13	20	0.39
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	10	0.39
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	18	0.39
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	9	0.39
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	3	0.39
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	5	0.39
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	7	0.39
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	13	0.39
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	2	0.39
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	14	0.39
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	2	0.39
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	8	0.39
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	17	0.39
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	1	0.39
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	2	0.39
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	11	0.39
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	15	0.39
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	16	0.39
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	14	0.39
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD2	5	0.39
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	13	0.39
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	14	0.39
(1,1412)	1:113:A:LEU:HD12	1:119:A:PHE:HE2	5	0.39
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	5	0.39
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD21	1	0.39
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	16	0.39
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	3	0.39
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	14	0.39
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	16	0.39
(1,1367)	1:76:A:LEU:HD11	1:119:A:PHE:HE2	12	0.39
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD1	8	0.39
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	20	0.39
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG3	14	0.39
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	13	0.39
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	12	0.39
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	11	0.39
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	13	0.39
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	15	0.39
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	16	0.39
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	17	0.39
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	8	0.39
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	16	0.39
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	2	0.39
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	13	0.39
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	7	0.39
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	12	0.39
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD22	19	0.39
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB3	3	0.39
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB3	14	0.39
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	7	0.39
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	15	0.39
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	17	0.39
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	18	0.39
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	9	0.39
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	13	0.39
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	14	0.39
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	19	0.39
(1,1059)	1:149:A:ILE:H	1:149:A:ILE:HD13	10	0.39
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	18	0.39
(1,1033)	1:185:A:GLU:H	1:183:A:THR:HA	20	0.39
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG23	13	0.39
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	1	0.39
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	5	0.39
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	7	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	1	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	2	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	3	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	4	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	5	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	9	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	10	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	11	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	14	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	15	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	17	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	18	0.39
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	19	0.39
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	2	0.39
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	8	0.39
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	13	0.39
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	15	0.39
(1,884)	1:144:A:THR:HA	1:144:A:THR:HG22	17	0.39
(1,877)	1:128:A:SER:HB2	1:127:A:LEU:HG	16	0.39
(1,870)	1:73:A:SER:HB3	1:69:A:GLN:HE22	19	0.39
(1,845)	1:191:A:LYS:HG3	1:191:A:LYS:HE2	7	0.39
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	2	0.39
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	1	0.39
(1,784)	1:121:A:LEU:HD22	1:120:A:THR:H	4	0.39
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	3	0.39
(1,768)	1:151:A:ILE:HD13	1:135:A:GLY:H	7	0.39
(1,754)	1:112:A:ALA:HB3	1:69:A:GLN:HB2	9	0.39
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	4	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	11	0.39
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	18	0.39
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	11	0.39
(1,731)	1:157:A:ALA:HB2	1:181:A:VAL:HB	5	0.39
(1,713)	1:67:A:ALA:HB2	1:71:A:MET:HE2	15	0.39
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	12	0.39
(1,701)	1:88:A:LEU:HD22	1:127:A:LEU:HB2	19	0.39
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	16	0.39
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	18	0.39
(1,674)	1:110:A:ARG:HB3	1:89:A:VAL:HG12	20	0.39
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	4	0.39
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	20	0.39
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	13	0.39
(1,576)	1:100:A:LEU:HD12	1:100:A:LEU:HA	6	0.39
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	13	0.39
(1,569)	1:108:A:THR:HG21	1:105:A:ALA:HA	6	0.39
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	13	0.39
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	3	0.39
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	7	0.39
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	10	0.39
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	11	0.39
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	13	0.39
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG22	12	0.39
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	11	0.39
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	12	0.39
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	16	0.39
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	15	0.39
(1,466)	1:72:A:VAL:HG23	1:69:A:GLN:HA	18	0.39
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	5	0.39
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	8	0.39
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	2	0.39
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	10	0.39
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	2	0.39
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	4	0.39
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	18	0.39
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	20	0.39
(1,413)	1:118:A:LYS:HD2	1:76:A:LEU:HA	3	0.39
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	3	0.39
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	20	0.39
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	1	0.39
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	2	0.39
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	4	0.39
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	5	0.39
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	7	0.39
(1,380)	1:45:A:PRO:HB2	1:45:A:PRO:HB3	10	0.39
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	11	0.39
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	12	0.39
(1,380)	1:45:A:PRO:HB2	1:45:A:PRO:HB3	13	0.39
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	16	0.39
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	18	0.39
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	19	0.39
(1,371)	1:122:A:VAL:HB	1:88:A:LEU:HD21	12	0.39
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	14	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	6	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	7	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	8	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	11	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	12	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	15	0.39
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	20	0.39
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	2	0.39
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	12	0.39
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	19	0.39
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	9	0.39
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	12	0.39
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	16	0.39
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	5	0.39
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	7	0.39
(1,133)	1:179:A:MET:HA	1:187:A:ILE:HG12	14	0.39
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	3	0.39
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD21	10	0.39
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	11	0.39
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	15	0.39
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD21	17	0.39
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	18	0.39
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	9	0.39
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	13	0.39
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	8	0.39
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	20	0.39
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	20	0.39
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	8	0.38
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	8	0.38
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	8	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	8	0.38
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	8	0.38
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	8	0.38
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	2	0.38
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	3	0.38
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB3	4	0.38
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	10	0.38
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	20	0.38
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	1	0.38
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	8	0.38
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	17	0.38
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	19	0.38
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	1	0.38
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	6	0.38
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG11	9	0.38
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	17	0.38
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB2	8	0.38
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	2	0.38
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	4	0.38
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	2	0.38
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	15	0.38
(1,4435)	1:71:A:MET:H	1:70:A:PRO:HB3	16	0.38
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	20	0.38
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	15	0.38
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	4	0.38
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	20	0.38
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	8	0.38
(1,4291)	1:61:A:HIS:H	1:61:A:HIS:HB2	10	0.38
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	7	0.38
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	3	0.38
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD13	10	0.38
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	12	0.38
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	13	0.38
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	14	0.38
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	17	0.38
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	7	0.38
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG21	11	0.38
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	1	0.38
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	2	0.38
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	4	0.38
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	12	0.38
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	4	0.38
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	5	0.38
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	6	0.38
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD2	20	0.38
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	20	0.38
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	4	0.38
(1,3798)	1:88:A:LEU:HD13	1:88:A:LEU:HA	6	0.38
(1,3798)	1:88:A:LEU:HD11	1:88:A:LEU:HA	7	0.38
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	9	0.38
(1,3798)	1:88:A:LEU:HD11	1:88:A:LEU:HA	14	0.38
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	19	0.38
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD23	11	0.38
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	10	0.38
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG11	13	0.38
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	6	0.38
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	4	0.38
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	6	0.38
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG21	18	0.38
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	11	0.38
(1,3690)	1:188:A:TRP:H	1:186:A:ILE:HD12	18	0.38
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD21	3	0.38
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD21	16	0.38
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD21	17	0.38
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	2	0.38
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG23	5	0.38
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	12	0.38
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD23	8	0.38
(1,3633)	1:89:A:VAL:HG11	1:89:A:VAL:HG21	2	0.38
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG21	5	0.38
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG22	8	0.38
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG22	9	0.38
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG23	11	0.38
(1,3630)	1:174:A:LEU:HD13	1:64:A:TRP:HH2	7	0.38
(1,3562)	1:187:A:ILE:H	1:187:A:ILE:HD12	15	0.38
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG21	17	0.38
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	5	0.38
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	8	0.38
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	10	0.38
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG22	2	0.38
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG21	11	0.38
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	16	0.38
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE1	20	0.38
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	6	0.38
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	9	0.38
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	20	0.38
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	2	0.38
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	12	0.38
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB2	17	0.38
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	17	0.38
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD22	13	0.38
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	3	0.38
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	4	0.38
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	2	0.38
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	2	0.38
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	17	0.38
(1,3357)	1:157:A:ALA:HB3	1:152:A:ALA:H	11	0.38
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB3	14	0.38
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB3	17	0.38
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB3	1	0.38
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB3	3	0.38
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB1	7	0.38
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB1	8	0.38
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB1	16	0.38
(1,3331)	1:94:A:ASN:H	1:92:A:VAL:HG11	12	0.38
(1,3316)	1:92:A:VAL:HG11	1:94:A:ASN:HA	1	0.38
(1,3308)	1:92:A:VAL:HG13	1:102:A:ALA:HB2	15	0.38
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	7	0.38
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	4	0.38
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	14	0.38
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	15	0.38
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	20	0.38
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	9	0.38
(1,3241)	1:81:A:VAL:HG23	1:159:A:TYR:HD2	11	0.38
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	16	0.38
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD13	8	0.38
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD23	19	0.38
(1,3136)	1:113:A:LEU:HD11	1:87:A:LEU:HD22	20	0.38
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	3	0.38
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	7	0.38
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG22	15	0.38
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	18	0.38
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	16	0.38
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	18	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	12	0.38
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	3	0.38
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	6	0.38
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	7	0.38
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	6	0.38
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	3	0.38
(1,2682)	1:155:A:VAL:HG21	1:151:A:ILE:HG23	12	0.38
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	4	0.38
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	14	0.38
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	20	0.38
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	12	0.38
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	13	0.38
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	15	0.38
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	20	0.38
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	19	0.38
(1,2657)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	17	0.38
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	11	0.38
(1,2646)	1:113:A:LEU:HD22	1:75:A:MET:HE3	13	0.38
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD11	12	0.38
(1,2630)	1:100:A:LEU:HD12	1:105:A:ALA:HB1	10	0.38
(1,2603)	1:100:A:LEU:HD22	1:172:A:PRO:HB2	2	0.38
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	11	0.38
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	16	0.38
(1,2586)	1:178:A:LEU:HD13	1:179:A:MET:H	19	0.38
(1,2554)	1:113:A:LEU:HD21	1:119:A:PHE:HD2	4	0.38
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	1	0.38
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	14	0.38
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD11	17	0.38
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	13	0.38
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	19	0.38
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	14	0.38
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	4	0.38
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	8	0.38
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	11	0.38
(1,2302)	1:191:A:LYS:HB2	1:71:A:MET:HE3	18	0.38
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	9	0.38
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	12	0.38
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	6	0.38
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	3	0.38
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	4	0.38
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	11	0.38
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB3	19	0.38
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	6	0.38
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	14	0.38
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	14	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	3	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	5	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG12	6	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	7	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	9	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	10	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	12	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	15	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	17	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	19	0.38
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	20	0.38
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	1	0.38
(1,1567)	1:86:A:VAL:H	1:85:A:SER:HB2	8	0.38
(1,1526)	1:163:A:SER:HB3	1:176:A:MET:HG3	20	0.38
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	20	0.38
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG22	7	0.38
(1,1502)	1:106:A:THR:HA	1:109:A:LEU:HB3	17	0.38
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB2	6	0.38
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	1	0.38
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	2	0.38
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	19	0.38
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	1	0.38
(1,1414)	1:194:A:VAL:HG22	1:64:A:TRP:HZ2	2	0.38
(1,1414)	1:194:A:VAL:HG21	1:64:A:TRP:HZ2	11	0.38
(1,1414)	1:194:A:VAL:HG23	1:64:A:TRP:HZ2	13	0.38
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	18	0.38
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	1	0.38
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	13	0.38
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	13	0.38
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	20	0.38
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	4	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	1	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	2	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	3	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	4	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	6	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	8	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	9	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	14	0.38
(1,1212)	1:97:A:ASN:H	1:96:A:THR:H	20	0.38
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	4	0.38
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	1	0.38
(1,1185)	1:71:A:MET:H	1:75:A:MET:H	12	0.38
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	7	0.38
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	8	0.38
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	10	0.38
(1,1175)	1:175:A:GLN:H	1:176:A:MET:HG2	6	0.38
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	8	0.38
(1,1099)	1:170:A:ASN:HD21	1:169:A:VAL:HG12	20	0.38
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	6	0.38
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG11	18	0.38
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	19	0.38
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	20	0.38
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	1	0.38
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	5	0.38
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	7	0.38
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	20	0.38
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	2	0.38
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	10	0.38
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	15	0.38
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	16	0.38
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD13	12	0.38
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	10	0.38
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	6	0.38
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	10	0.38
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	15	0.38
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	1	0.38
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	10	0.38
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	13	0.38
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG22	12	0.38
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	14	0.38
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	16	0.38
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	16	0.38
(1,915)	1:88:A:LEU:H	1:88:A:LEU:HG	16	0.38
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	6	0.38
(1,892)	1:196:A:GLN:HG2	1:196:A:GLN:HB2	7	0.38
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	8	0.38
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	12	0.38
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	13	0.38
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	16	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,892)	1:70:A:PRO:HB3	1:70:A:PRO:HG2	20	0.38
(1,875)	1:74:A:LYS:HG3	1:73:A:SER:HB3	19	0.38
(1,860)	1:44:A:GLY:HA2	1:45:A:PRO:HD3	2	0.38
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD12	8	0.38
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD12	10	0.38
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	20	0.38
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	10	0.38
(1,788)	1:134:A:LEU:HD12	1:154:A:ASN:HB2	17	0.38
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	5	0.38
(1,754)	1:112:A:ALA:HB2	1:69:A:GLN:HB2	8	0.38
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	2	0.38
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	6	0.38
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	15	0.38
(1,750)	1:179:A:MET:HE1	1:180:A:LEU:HA	19	0.38
(1,743)	1:114:A:ALA:HB3	1:111:A:ASN:HD21	17	0.38
(1,743)	1:114:A:ALA:HB2	1:111:A:ASN:HD21	18	0.38
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	18	0.38
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	7	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	3	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	5	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	9	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	15	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	17	0.38
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	20	0.38
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	16	0.38
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	8	0.38
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	18	0.38
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	7	0.38
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	7	0.38
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD23	19	0.38
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	4	0.38
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	8	0.38
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	11	0.38
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	12	0.38
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	2	0.38
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	2	0.38
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	8	0.38
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	1	0.38
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	4	0.38
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	18	0.38
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	7	0.38
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	4	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	4	0.38
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	5	0.38
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG21	6	0.38
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	8	0.38
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	1	0.38
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	6	0.38
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	16	0.38
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	18	0.38
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	6	0.38
(1,436)	1:110:A:ARG:H	1:109:A:LEU:HD22	12	0.38
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	8	0.38
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	12	0.38
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	12	0.38
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	6	0.38
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	12	0.38
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	9	0.38
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	15	0.38
(1,380)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	6	0.38
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	8	0.38
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	9	0.38
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	14	0.38
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	15	0.38
(1,380)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	17	0.38
(1,380)	1:45:A:PRO:HB2	1:45:A:PRO:HB3	20	0.38
(1,365)	1:176:A:MET:HG2	1:109:A:LEU:HD21	7	0.38
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	10	0.38
(1,333)	1:49:A:GLU:HG2	1:49:A:GLU:HA	10	0.38
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	5	0.38
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	20	0.38
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG13	18	0.38
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	1	0.38
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	3	0.38
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	4	0.38
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	14	0.38
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	19	0.38
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	9	0.38
(1,262)	1:191:A:LYS:HE2	1:192:A:GLY:HA2	3	0.38
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	20	0.38
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD12	1	0.38
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD13	11	0.38
(1,191)	1:190:A:GLY:HA3	1:191:A:LYS:HB2	3	0.38
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD22	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD21	11	0.38
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB2	4	0.38
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD21	4	0.38
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	17	0.38
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	5	0.38
(1,89)	1:110:A:ARG:HA	1:113:A:LEU:HD21	20	0.38
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	11	0.38
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	20	0.38
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	3	0.38
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	10	0.38
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	11	0.38
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	17	0.38
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	7	0.38
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	19	0.38
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB2	15	0.38
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD11	14	0.38
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	20	0.38
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	12	0.38
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	15	0.38
(1,13)	1:144:A:THR:HB	1:145:A:ARG:HD3	20	0.38
(1,1)	1:186:A:ILE:HD11	1:162:A:TYR:HD2	15	0.38
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	3	0.37
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	3	0.37
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	3	0.37
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	6	0.37
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	6	0.37
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	6	0.37
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	9	0.37
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	9	0.37
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	9	0.37
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	11	0.37
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	11	0.37
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	11	0.37
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	17	0.37
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	17	0.37
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	17	0.37
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	3	0.37
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	3	0.37
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	3	0.37
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	6	0.37
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	6	0.37
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	9	0.37
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	9	0.37
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	9	0.37
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	11	0.37
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	11	0.37
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	11	0.37
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	17	0.37
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	17	0.37
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	17	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB3	5	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	12	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	13	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	15	0.37
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	17	0.37
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	4	0.37
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG11	9	0.37
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	13	0.37
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	6	0.37
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB3	15	0.37
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	12	0.37
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG13	7	0.37
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG12	15	0.37
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB2	10	0.37
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	11	0.37
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	1	0.37
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	1	0.37
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	14	0.37
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	3	0.37
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	9	0.37
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	14	0.37
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	16	0.37
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	5	0.37
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	15	0.37
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD11	3	0.37
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	6	0.37
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	7	0.37
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD11	18	0.37
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	9	0.37
(1,4143)	1:82:A:THR:H	1:81:A:VAL:HG11	2	0.37
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	1	0.37
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG22	2	0.37
(1,4107)	1:105:A:ALA:H	1:92:A:VAL:HG23	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	11	0.37
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	16	0.37
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	1	0.37
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	9	0.37
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	11	0.37
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	20	0.37
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	1	0.37
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	13	0.37
(1,3886)	1:151:A:ILE:H	1:151:A:ILE:HG12	12	0.37
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	1	0.37
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	3	0.37
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD23	4	0.37
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD22	8	0.37
(1,3747)	1:142:A:LEU:HB3	1:160:A:VAL:HG21	12	0.37
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	1	0.37
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	20	0.37
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	9	0.37
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	4	0.37
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD21	6	0.37
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	7	0.37
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	9	0.37
(1,3654)	1:88:A:LEU:HD11	1:88:A:LEU:HD23	8	0.37
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG22	10	0.37
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG22	12	0.37
(1,3625)	1:165:A:ALA:HB3	1:96:A:THR:HG23	8	0.37
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	7	0.37
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	20	0.37
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	9	0.37
(1,3525)	1:149:A:ILE:HG22	1:146:A:SER:HA	13	0.37
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	8	0.37
(1,3499)	1:131:A:LYS:HA	1:151:A:ILE:HG23	4	0.37
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	7	0.37
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	9	0.37
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	11	0.37
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB1	19	0.37
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	20	0.37
(1,3471)	1:174:A:LEU:H	1:71:A:MET:HE2	14	0.37
(1,3469)	1:160:A:VAL:H	1:179:A:MET:HE3	12	0.37
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	2	0.37
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	11	0.37
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	12	0.37
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	15	0.37
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB2	18	0.37
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD22	3	0.37
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	11	0.37
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	16	0.37
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB1	19	0.37
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB3	9	0.37
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB3	19	0.37
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG11	15	0.37
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	18	0.37
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	20	0.37
(1,3292)	1:155:A:VAL:HG13	1:157:A:ALA:HA	6	0.37
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	17	0.37
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	20	0.37
(1,3137)	1:174:A:LEU:HD21	1:105:A:ALA:HB3	2	0.37
(1,3064)	1:172:A:PRO:HB3	1:194:A:VAL:HG21	19	0.37
(1,3056)	1:175:A:GLN:HG2	1:191:A:LYS:HD2	20	0.37
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	6	0.37
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	17	0.37
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	20	0.37
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG21	5	0.37
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	15	0.37
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG23	9	0.37
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	13	0.37
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG23	19	0.37
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	11	0.37
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD23	19	0.37
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	12	0.37
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	5	0.37
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	12	0.37
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	7	0.37
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	9	0.37
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	11	0.37
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	9	0.37
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	16	0.37
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	2	0.37
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	11	0.37
(1,2725)	1:81:A:VAL:HG23	1:76:A:LEU:HD22	2	0.37
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	11	0.37
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	18	0.37
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	2	0.37
(1,2672)	1:106:A:THR:HG21	1:110:A:ARG:H	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	6	0.37
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	9	0.37
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	20	0.37
(1,2650)	1:76:A:LEU:HD23	1:83:A:ALA:H	19	0.37
(1,2646)	1:113:A:LEU:HD22	1:75:A:MET:HE3	2	0.37
(1,2646)	1:113:A:LEU:HD23	1:75:A:MET:HE3	10	0.37
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	15	0.37
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	4	0.37
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	13	0.37
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	3	0.37
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	6	0.37
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	14	0.37
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	12	0.37
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	3	0.37
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	8	0.37
(1,2504)	1:118:A:LYS:HD2	1:76:A:LEU:HD13	19	0.37
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	9	0.37
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG21	9	0.37
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	5	0.37
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	17	0.37
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	19	0.37
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG22	5	0.37
(1,2325)	1:196:A:GLN:HG3	1:60:A:ARG:HB3	5	0.37
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	6	0.37
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	9	0.37
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD13	10	0.37
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	13	0.37
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	16	0.37
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD13	19	0.37
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	2	0.37
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	16	0.37
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	12	0.37
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	2	0.37
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	5	0.37
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB2	7	0.37
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB2	11	0.37
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB1	3	0.37
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	2	0.37
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	4	0.37
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	13	0.37
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	17	0.37
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	17	0.37
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	1	0.37
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	4	0.37
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB1	5	0.37
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	19	0.37
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG12	8	0.37
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	4	0.37
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	15	0.37
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	1	0.37
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	12	0.37
(1,1764)	1:164:A:SER:HA	1:165:A:ALA:HB2	16	0.37
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG11	1	0.37
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	11	0.37
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	13	0.37
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	3	0.37
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	4	0.37
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	16	0.37
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	9	0.37
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	4	0.37
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	4	0.37
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	20	0.37
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	18	0.37
(1,1414)	1:194:A:VAL:HG22	1:64:A:TRP:HZ2	10	0.37
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	4	0.37
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	10	0.37
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	5	0.37
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD22	15	0.37
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	7	0.37
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	10	0.37
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	20	0.37
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	1	0.37
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	3	0.37
(1,1299)	1:75:A:MET:HE2	1:119:A:PHE:HZ	20	0.37
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	14	0.37
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	5	0.37
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	8	0.37
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	12	0.37
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	9	0.37
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	1	0.37
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	6	0.37
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	13	0.37
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	17	0.37
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	18	0.37
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	14	0.37
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	10	0.37
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	8	0.37
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	14	0.37
(1,1151)	1:181:A:VAL:H	1:178:A:LEU:HA	20	0.37
(1,1149)	1:87:A:LEU:H	1:121:A:LEU:HB2	17	0.37
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	15	0.37
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	11	0.37
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD23	1	0.37
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	6	0.37
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD23	16	0.37
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD22	9	0.37
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	10	0.37
(1,1073)	1:131:A:LYS:H	1:151:A:ILE:HG22	12	0.37
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	11	0.37
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	16	0.37
(1,1034)	1:185:A:GLU:H	1:185:A:GLU:HG3	15	0.37
(1,1027)	1:118:A:LYS:H	1:76:A:LEU:HD21	17	0.37
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	3	0.37
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	4	0.37
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	20	0.37
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	4	0.37
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	9	0.37
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	12	0.37
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	19	0.37
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	5	0.37
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	19	0.37
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD13	13	0.37
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG12	3	0.37
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	3	0.37
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	6	0.37
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	8	0.37
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	12	0.37
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB1	4	0.37
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	5	0.37
(1,870)	1:73:A:SER:HB3	1:69:A:GLN:HE22	13	0.37
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	5	0.37
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD11	18	0.37
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE3	10	0.37
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE3	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	20	0.37
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	20	0.37
(1,750)	1:179:A:MET:HE3	1:180:A:LEU:HA	12	0.37
(1,745)	1:161:A:LEU:HD13	1:176:A:MET:HE2	4	0.37
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	2	0.37
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	13	0.37
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	4	0.37
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	2	0.37
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	14	0.37
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	15	0.37
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	18	0.37
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	2	0.37
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	8	0.37
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	14	0.37
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	18	0.37
(1,583)	1:121:A:LEU:HA	1:113:A:LEU:HD12	15	0.37
(1,576)	1:100:A:LEU:HD11	1:100:A:LEU:HA	20	0.37
(1,569)	1:108:A:THR:HG21	1:105:A:ALA:HA	17	0.37
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	9	0.37
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	10	0.37
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	18	0.37
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	7	0.37
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	19	0.37
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	14	0.37
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	5	0.37
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	13	0.37
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	15	0.37
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG23	18	0.37
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG21	19	0.37
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD12	6	0.37
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	8	0.37
(1,424)	1:134:A:LEU:HG	1:135:A:GLY:H	13	0.37
(1,412)	1:118:A:LYS:HD3	1:118:A:LYS:H	19	0.37
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	16	0.37
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	1	0.37
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	16	0.37
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	7	0.37
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	1	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	2	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	3	0.37
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	4	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	6	0.37
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	7	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	8	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	9	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	10	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	11	0.37
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	12	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	13	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	14	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	15	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	16	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	17	0.37
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	18	0.37
(1,378)	1:34:A:PRO:HB2	1:34:A:PRO:HB3	19	0.37
(1,378)	1:37:A:PRO:HB3	1:37:A:PRO:HB2	20	0.37
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	16	0.37
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	3	0.37
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	5	0.37
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	9	0.37
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	13	0.37
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	4	0.37
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	15	0.37
(1,243)	1:74:A:LYS:HE2	1:74:A:LYS:HB3	16	0.37
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	8	0.37
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	10	0.37
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	5	0.37
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	18	0.37
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	9	0.37
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	4	0.37
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	12	0.37
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	4	0.37
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD13	19	0.37
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	20	0.37
(1,63)	1:91:A:SER:HB3	1:103:A:ALA:HB3	5	0.37
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD22	14	0.37
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	14	0.37
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	5	0.37
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	1	0.36
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	1	0.36
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	1	0.36
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	1	0.36
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	1	0.36
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	1	0.36
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	1	0.36
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	1	0.36
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	10	0.36
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	10	0.36
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	10	0.36
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	10	0.36
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	10	0.36
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	10	0.36
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	10	0.36
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	10	0.36
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	10	0.36
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	2	0.36
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	2	0.36
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	2	0.36
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	1	0.36
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	1	0.36
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	1	0.36
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	1	0.36
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	1	0.36
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	1	0.36
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	1	0.36
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	1	0.36
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	1	0.36
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	10	0.36
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	10	0.36
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	10	0.36
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	10	0.36
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	10	0.36
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	10	0.36
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	10	0.36
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	10	0.36
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	10	0.36
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	2	0.36
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	2	0.36
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	2	0.36
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG21	7	0.36
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG23	13	0.36
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	3	0.36
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	11	0.36
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	9	0.36
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB3	11	0.36
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	14	0.36
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	18	0.36
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	13	0.36
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG22	4	0.36
(1,4889)	1:104:A:GLU:H	1:92:A:VAL:HG21	11	0.36
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	6	0.36
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	12	0.36
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	18	0.36
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD13	3	0.36
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	14	0.36
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB2	7	0.36
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	3	0.36
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG12	20	0.36
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	3	0.36
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG13	10	0.36
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	4	0.36
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	15	0.36
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	6	0.36
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	2	0.36
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	10	0.36
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	5	0.36
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	11	0.36
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	3	0.36
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	9	0.36
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	15	0.36
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	18	0.36
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	18	0.36
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	19	0.36
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	17	0.36
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	19	0.36
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	2	0.36
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	4	0.36
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	6	0.36
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	18	0.36
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	12	0.36
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD22	2	0.36
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD22	3	0.36
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD23	10	0.36
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD21	14	0.36
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD21	17	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	14	0.36
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	11	0.36
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	15	0.36
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	6	0.36
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	14	0.36
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	15	0.36
(1,3642)	1:180:A:LEU:HD11	1:159:A:TYR:HE1	9	0.36
(1,3633)	1:89:A:VAL:HG12	1:89:A:VAL:HG21	13	0.36
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	19	0.36
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	11	0.36
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	13	0.36
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	16	0.36
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	19	0.36
(1,3525)	1:149:A:ILE:HG21	1:146:A:SER:HA	16	0.36
(1,3525)	1:149:A:ILE:HG23	1:146:A:SER:HA	17	0.36
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE3	12	0.36
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	12	0.36
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	3	0.36
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	7	0.36
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	13	0.36
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	14	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	2	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	4	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	8	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	9	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	11	0.36
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	19	0.36
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	1	0.36
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB3	14	0.36
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	5	0.36
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	16	0.36
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	19	0.36
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	3	0.36
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	7	0.36
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	19	0.36
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	16	0.36
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	5	0.36
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	16	0.36
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB3	15	0.36
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	1	0.36
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB3	10	0.36
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	15	0.36
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	20	0.36
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	6	0.36
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	8	0.36
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	9	0.36
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	17	0.36
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	18	0.36
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	3	0.36
(1,3360)	1:148:A:ALA:HB1	1:145:A:ARG:H	10	0.36
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB1	18	0.36
(1,3342)	1:86:A:VAL:HG22	1:157:A:ALA:HB3	2	0.36
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	5	0.36
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	12	0.36
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	3	0.36
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	9	0.36
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	10	0.36
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	11	0.36
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	18	0.36
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	1	0.36
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	4	0.36
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG23	10	0.36
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	13	0.36
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	19	0.36
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD12	11	0.36
(1,3184)	1:118:A:LYS:HG3	1:118:A:LYS:HA	5	0.36
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	20	0.36
(1,3049)	1:196:A:GLN:HE22	1:196:A:GLN:HG2	7	0.36
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	17	0.36
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG23	9	0.36
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG23	1	0.36
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	7	0.36
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	10	0.36
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB2	13	0.36
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	19	0.36
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	1	0.36
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	4	0.36
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	8	0.36
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	19	0.36
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	20	0.36
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB3	15	0.36
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	3	0.36
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	5	0.36
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	7	0.36
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	15	0.36
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	18	0.36
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	7	0.36
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	8	0.36
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	9	0.36
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	5	0.36
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	1	0.36
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	1	0.36
(1,2646)	1:113:A:LEU:HD22	1:75:A:MET:HE3	3	0.36
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	8	0.36
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	9	0.36
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	9	0.36
(1,2494)	1:74:A:LYS:HD2	1:74:A:LYS:HG3	5	0.36
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	8	0.36
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB3	10	0.36
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	9	0.36
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	4	0.36
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD13	1	0.36
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	5	0.36
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	12	0.36
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	16	0.36
(1,2209)	1:93:A:ASN:HB2	1:94:A:ASN:HA	19	0.36
(1,2161)	1:121:A:LEU:HB2	1:121:A:LEU:HD23	17	0.36
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	8	0.36
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD23	10	0.36
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG12	9	0.36
(1,2055)	1:77:A:GLY:HA2	1:78:A:ALA:HB1	16	0.36
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	6	0.36
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	12	0.36
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	14	0.36
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	15	0.36
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	19	0.36
(1,1959)	1:87:A:LEU:HB2	1:121:A:LEU:HA	20	0.36
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	7	0.36
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	8	0.36
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	6	0.36
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	4	0.36
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB3	9	0.36
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	7	0.36
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1673)	1:155:A:VAL:HA	1:155:A:VAL:HG13	18	0.36
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG22	15	0.36
(1,1567)	1:86:A:VAL:H	1:85:A:SER:HB2	20	0.36
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG12	2	0.36
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	12	0.36
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG22	13	0.36
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	8	0.36
(1,1417)	1:178:A:LEU:HD13	1:159:A:TYR:HE2	1	0.36
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	5	0.36
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	7	0.36
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	16	0.36
(1,1387)	1:159:A:TYR:HD2	1:87:A:LEU:HD21	12	0.36
(1,1375)	1:195:A:SER:H	1:62:A:TYR:HD2	11	0.36
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	18	0.36
(1,1286)	1:176:A:MET:H	1:174:A:LEU:H	19	0.36
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	17	0.36
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	2	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	1	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	4	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	7	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	9	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	16	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	19	0.36
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	20	0.36
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	13	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	3	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	4	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	5	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	14	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	15	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	19	0.36
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	20	0.36
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	3	0.36
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	4	0.36
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	2	0.36
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	6	0.36
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	8	0.36
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	14	0.36
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	2	0.36
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	4	0.36
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	8	0.36
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1085)	1:68:A:MET:H	1:70:A:PRO:HD3	9	0.36
(1,1078)	1:173:A:THR:H	1:194:A:VAL:HG12	3	0.36
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	17	0.36
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	17	0.36
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	11	0.36
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	13	0.36
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG21	20	0.36
(1,983)	1:148:A:ALA:H	1:142:A:LEU:HD12	19	0.36
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	18	0.36
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	18	0.36
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	3	0.36
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	8	0.36
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD12	10	0.36
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	4	0.36
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG23	1	0.36
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	12	0.36
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	19	0.36
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	3	0.36
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	15	0.36
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	2	0.36
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	16	0.36
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	1	0.36
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	8	0.36
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	5	0.36
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	15	0.36
(1,800)	1:32:A:THR:HG22	1:32:A:THR:HB	1	0.36
(1,800)	1:32:A:THR:HG23	1:32:A:THR:HB	4	0.36
(1,800)	1:32:A:THR:HG22	1:32:A:THR:HB	8	0.36
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	12	0.36
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	13	0.36
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB3	12	0.36
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	14	0.36
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	15	0.36
(1,784)	1:121:A:LEU:HD21	1:120:A:THR:H	9	0.36
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	7	0.36
(1,761)	1:75:A:MET:HE2	1:178:A:LEU:HG	12	0.36
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	16	0.36
(1,742)	1:144:A:THR:H	1:148:A:ALA:HB2	20	0.36
(1,733)	1:68:A:MET:HE2	1:108:A:THR:H	10	0.36
(1,731)	1:157:A:ALA:HB3	1:181:A:VAL:HB	11	0.36
(1,731)	1:157:A:ALA:HB2	1:181:A:VAL:HB	16	0.36
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	9	0.36
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	1	0.36
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	7	0.36
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	11	0.36
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB2	16	0.36
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	2	0.36
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	13	0.36
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	7	0.36
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	2	0.36
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG23	8	0.36
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	2	0.36
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	8	0.36
(1,569)	1:108:A:THR:HG21	1:105:A:ALA:HA	19	0.36
(1,560)	1:197:A:GLN:HA	1:197:A:GLN:HE22	8	0.36
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	2	0.36
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	5	0.36
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	6	0.36
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	9	0.36
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	17	0.36
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	5	0.36
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	2	0.36
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	5	0.36
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	15	0.36
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	20	0.36
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	19	0.36
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	19	0.36
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD12	16	0.36
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD13	17	0.36
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	2	0.36
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	3	0.36
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	6	0.36
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	7	0.36
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	9	0.36
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	14	0.36
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	12	0.36
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG12	5	0.36
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	10	0.36
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	17	0.36
(1,306)	1:65:A:ASN:HD21	1:111:A:ASN:HB3	18	0.36
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	3	0.36
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	13	0.36
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	18	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	11	0.36
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	3	0.36
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	16	0.36
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	2	0.36
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	3	0.36
(1,201)	1:88:A:LEU:HB3	1:127:A:LEU:HD13	19	0.36
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	10	0.36
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	9	0.36
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	10	0.36
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	19	0.36
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	8	0.36
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	5	0.36
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD11	15	0.36
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	2	0.36
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	11	0.36
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	15	0.36
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	16	0.36
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	19	0.36
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB2	8	0.36
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	13	0.35
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	13	0.35
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	13	0.35
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	13	0.35
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	13	0.35
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	13	0.35
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	13	0.35
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	13	0.35
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	13	0.35
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	20	0.35
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	20	0.35
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	20	0.35
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	20	0.35
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	20	0.35
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	20	0.35
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	20	0.35
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	20	0.35
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	20	0.35
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	7	0.35
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	7	0.35
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	7	0.35
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	10	0.35
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	10	0.35
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	13	0.35
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	13	0.35
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	13	0.35
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	13	0.35
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	13	0.35
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	13	0.35
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	13	0.35
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	13	0.35
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	13	0.35
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	20	0.35
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	20	0.35
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	20	0.35
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	20	0.35
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	20	0.35
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	20	0.35
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	20	0.35
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	20	0.35
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	20	0.35
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	7	0.35
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	7	0.35
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	7	0.35
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	10	0.35
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	10	0.35
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	10	0.35
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	13	0.35
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	16	0.35
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	5	0.35
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	7	0.35
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB3	16	0.35
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB1	19	0.35
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	1	0.35
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	14	0.35
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	19	0.35
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	5	0.35
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	4	0.35
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD23	10	0.35
(1,4621)	1:80:A:GLY:H	1:78:A:ALA:HB1	15	0.35
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	4	0.35
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB2	6	0.35
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	13	0.35
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	12	0.35
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	1	0.35
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	6	0.35
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	12	0.35
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	17	0.35
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	19	0.35
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	12	0.35
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	11	0.35
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	12	0.35
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	13	0.35
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	15	0.35
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD12	6	0.35
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	19	0.35
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	10	0.35
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	9	0.35
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	15	0.35
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	10	0.35
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	12	0.35
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	18	0.35
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD22	1	0.35
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD23	12	0.35
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD23	15	0.35
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	17	0.35
(1,3725)	1:153:A:ARG:HG2	1:181:A:VAL:HG12	14	0.35
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	2	0.35
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	12	0.35
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG21	13	0.35
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	20	0.35
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB3	10	0.35
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	2	0.35
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	4	0.35
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD21	2	0.35
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD23	8	0.35
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD22	14	0.35
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	8	0.35
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	14	0.35
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	13	0.35
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	16	0.35
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD23	12	0.35
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG23	19	0.35
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	3	0.35
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:187:A:ILE:HD12	1:81:A:VAL:HG22	16	0.35
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	12	0.35
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	20	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	1	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	5	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	6	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	7	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	10	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	12	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	13	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	14	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	16	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	17	0.35
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG23	20	0.35
(1,3480)	1:101:A:ASN:HA	1:103:A:ALA:HB2	3	0.35
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	4	0.35
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	8	0.35
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	15	0.35
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	9	0.35
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	14	0.35
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	19	0.35
(1,3439)	1:102:A:ALA:HB3	1:105:A:ALA:HB1	5	0.35
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB2	8	0.35
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB2	12	0.35
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD23	10	0.35
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	14	0.35
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	2	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB1	2	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	7	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	12	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB1	14	0.35
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	18	0.35
(1,3368)	1:68:A:MET:HE2	1:105:A:ALA:H	1	0.35
(1,3367)	1:68:A:MET:HE2	1:64:A:TRP:HD1	17	0.35
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	7	0.35
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	12	0.35
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	4	0.35
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB2	5	0.35
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB1	4	0.35
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB1	10	0.35
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB1	13	0.35
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB1	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3342)	1:86:A:VAL:HG23	1:157:A:ALA:HB1	12	0.35
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	6	0.35
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG11	9	0.35
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	20	0.35
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	2	0.35
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB2	18	0.35
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	18	0.35
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG22	19	0.35
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	13	0.35
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	19	0.35
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	1	0.35
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG23	3	0.35
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG23	6	0.35
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	3	0.35
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD12	4	0.35
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD12	6	0.35
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD13	11	0.35
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	6	0.35
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG22	7	0.35
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG23	14	0.35
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	14	0.35
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	17	0.35
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	8	0.35
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	14	0.35
(1,2792)	1:149:A:ILE:HA	1:148:A:ALA:HB2	18	0.35
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	8	0.35
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	11	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	2	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	6	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG13	10	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	13	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG13	16	0.35
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	17	0.35
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	14	0.35
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	5	0.35
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	10	0.35
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	13	0.35
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	15	0.35
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD23	17	0.35
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	1	0.35
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	10	0.35
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	2	0.35
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	10	0.35
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	17	0.35
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD12	2	0.35
(1,2472)	1:74:A:LYS:HD3	1:74:A:LYS:H	5	0.35
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	16	0.35
(1,2400)	1:176:A:MET:HG3	1:188:A:TRP:HZ3	18	0.35
(1,2362)	1:69:A:GLN:HG2	1:72:A:VAL:HG22	1	0.35
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	2	0.35
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	8	0.35
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	17	0.35
(1,2325)	1:196:A:GLN:HG3	1:60:A:ARG:HB3	4	0.35
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	8	0.35
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	18	0.35
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD11	14	0.35
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD11	15	0.35
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	19	0.35
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	20	0.35
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	9	0.35
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	14	0.35
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	1	0.35
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB3	4	0.35
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	11	0.35
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	20	0.35
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD23	12	0.35
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	18	0.35
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	1	0.35
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	10	0.35
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	12	0.35
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	19	0.35
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	1	0.35
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	10	0.35
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	11	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	6	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB1	11	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	16	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	18	0.35
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB1	20	0.35
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	8	0.35
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD12	12	0.35
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	13	0.35
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB2	10	0.35
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	16	0.35
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	13	0.35
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	19	0.35
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	4	0.35
(1,1689)	1:110:A:ARG:HA	1:89:A:VAL:HG13	15	0.35
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	3	0.35
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	5	0.35
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG12	19	0.35
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	5	0.35
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB2	18	0.35
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	10	0.35
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	6	0.35
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	17	0.35
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	1	0.35
(1,1382)	1:87:A:LEU:HD11	1:119:A:PHE:HD2	14	0.35
(1,1365)	1:119:A:PHE:HZ	1:119:A:PHE:HD2	18	0.35
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	12	0.35
(1,1319)	1:162:A:TYR:HE2	1:145:A:ARG:H	12	0.35
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	17	0.35
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	4	0.35
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	6	0.35
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	3	0.35
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	20	0.35
(1,1210)	1:173:A:THR:H	1:62:A:TYR:HE2	7	0.35
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	11	0.35
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	5	0.35
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	9	0.35
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	13	0.35
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	5	0.35
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	20	0.35
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	3	0.35
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	18	0.35
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	20	0.35
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	18	0.35
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG12	5	0.35
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	14	0.35
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	15	0.35
(1,1090)	1:76:A:LEU:H	1:74:A:LYS:HB2	1	0.35
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD23	7	0.35
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	2	0.35
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB3	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	10	0.35
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	3	0.35
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	7	0.35
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	18	0.35
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	8	0.35
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	4	0.35
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	4	0.35
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG23	6	0.35
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG23	17	0.35
(1,991)	1:152:A:ALA:H	1:151:A:ILE:HG22	18	0.35
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	7	0.35
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	6	0.35
(1,967)	1:75:A:MET:H	1:75:A:MET:HG2	12	0.35
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	11	0.35
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	13	0.35
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	8	0.35
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	13	0.35
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	18	0.35
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	2	0.35
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	4	0.35
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	17	0.35
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	20	0.35
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG23	6	0.35
(1,850)	1:100:A:LEU:HD21	1:166:A:SER:HA	5	0.35
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	13	0.35
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	18	0.35
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	3	0.35
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	17	0.35
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	9	0.35
(1,800)	1:38:A:THR:HG23	1:38:A:THR:HB	2	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	3	0.35
(1,800)	1:32:A:THR:HG21	1:32:A:THR:HB	5	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	6	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	7	0.35
(1,800)	1:38:A:THR:HG23	1:38:A:THR:HB	9	0.35
(1,800)	1:32:A:THR:HG23	1:32:A:THR:HB	10	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	11	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	15	0.35
(1,800)	1:32:A:THR:HG21	1:32:A:THR:HB	16	0.35
(1,800)	1:32:A:THR:HG23	1:32:A:THR:HB	17	0.35
(1,800)	1:32:A:THR:HG21	1:32:A:THR:HB	18	0.35
(1,800)	1:38:A:THR:HG22	1:38:A:THR:HB	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,800)	1:32:A:THR:HG23	1:32:A:THR:HB	20	0.35
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	4	0.35
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	7	0.35
(1,784)	1:121:A:LEU:HD21	1:120:A:THR:H	10	0.35
(1,770)	1:151:A:ILE:HD11	1:154:A:ASN:HD21	7	0.35
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	14	0.35
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	19	0.35
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG12	12	0.35
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	8	0.35
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	11	0.35
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	5	0.35
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HE1	11	0.35
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	16	0.35
(1,677)	1:8:A:ARG:HB3	1:8:A:ARG:HG2	12	0.35
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	1	0.35
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	13	0.35
(1,676)	1:95:A:ARG:HB2	1:96:A:THR:HA	19	0.35
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	16	0.35
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	4	0.35
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	5	0.35
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	12	0.35
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	15	0.35
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	12	0.35
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	14	0.35
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG21	9	0.35
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	13	0.35
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	20	0.35
(1,551)	1:74:A:LYS:HE2	1:74:A:LYS:HA	1	0.35
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	9	0.35
(1,551)	1:74:A:LYS:HE2	1:74:A:LYS:HA	15	0.35
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	3	0.35
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	15	0.35
(1,522)	1:37:A:PRO:HB3	1:37:A:PRO:HA	4	0.35
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	6	0.35
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	18	0.35
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	3	0.35
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	14	0.35
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	9	0.35
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	16	0.35
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	14	0.35
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	12	0.35
(1,445)	1:74:A:LYS:HG2	1:74:A:LYS:HE3	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	1	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	2	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	4	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	5	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	8	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	10	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	11	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	12	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	13	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	14	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	15	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	16	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	17	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	18	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	19	0.35
(1,428)	1:174:A:LEU:HB2	1:174:A:LEU:HG	20	0.35
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	13	0.35
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	2	0.35
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	3	0.35
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	14	0.35
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	11	0.35
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	5	0.35
(1,323)	1:192:A:GLY:HA3	1:191:A:LYS:HB3	16	0.35
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	15	0.35
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG12	12	0.35
(1,308)	1:179:A:MET:HB2	1:178:A:LEU:HA	16	0.35
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	5	0.35
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	14	0.35
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	1	0.35
(1,289)	1:154:A:ASN:HB2	1:153:A:ARG:HB2	14	0.35
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	12	0.35
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	1	0.35
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	18	0.35
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	15	0.35
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	1	0.35
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	9	0.35
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	14	0.35
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	5	0.35
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	14	0.35
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	10	0.35
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	4	0.35
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD21	12	0.35
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	10	0.35
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	16	0.35
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	19	0.35
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	7	0.35
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	8	0.35
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	17	0.35
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	18	0.35
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	10	0.35
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	19	0.35
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD21	3	0.35
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	3	0.35
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	5	0.35
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	20	0.35
(1,24)	1:163:A:SER:HB3	1:106:A:THR:HG23	18	0.35
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	8	0.35
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	3	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	3	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	3	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	3	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	3	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	3	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	3	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	3	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	3	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	5	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	5	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	5	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	5	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	5	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	5	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	5	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	5	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	5	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	7	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	7	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	7	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	7	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	7	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	7	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	7	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	7	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	9	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	9	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	9	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	9	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	9	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	9	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	9	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	9	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	9	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	11	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	11	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	11	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	11	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	11	0.34
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	11	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	11	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	11	0.34
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	11	0.34
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	1	0.34
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	1	0.34
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	1	0.34
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	4	0.34
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	4	0.34
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	4	0.34
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	13	0.34
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	13	0.34
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	13	0.34
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	16	0.34
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	16	0.34
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	16	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	3	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	3	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	3	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	3	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	3	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	3	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	3	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	3	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	3	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	5	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	5	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	5	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	5	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	5	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	5	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	5	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	5	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	5	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	7	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	7	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	7	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	7	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	7	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	7	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	7	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	7	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	7	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	9	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	9	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	9	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	9	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	9	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	9	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	9	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	9	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	9	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	11	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	11	0.34
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	11	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	11	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	11	0.34
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	11	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	11	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	11	0.34
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	11	0.34
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	1	0.34
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	1	0.34
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	1	0.34
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	4	0.34
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	4	0.34
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	4	0.34
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	13	0.34
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	13	0.34
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	16	0.34
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	16	0.34
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	16	0.34
(1,5094)	1:4:A:MET:H	1:4:A:MET:HG3	4	0.34
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	14	0.34
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD12	20	0.34
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	1	0.34
(1,4970)	1:106:A:THR:H	1:102:A:ALA:HB2	8	0.34
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG23	20	0.34
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	6	0.34
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	17	0.34
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	11	0.34
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	4	0.34
(1,4844)	1:107:A:GLU:H	1:105:A:ALA:HB1	14	0.34
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	15	0.34
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	17	0.34
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	18	0.34
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	14	0.34
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB2	16	0.34
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	5	0.34
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	13	0.34
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG11	2	0.34
(1,4466)	1:106:A:THR:H	1:92:A:VAL:HG12	11	0.34
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	16	0.34
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	15	0.34
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	16	0.34
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	7	0.34
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	18	0.34
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	4	0.34
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	17	0.34
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD13	15	0.34
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	5	0.34
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	10	0.34
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	15	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	1	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	3	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	5	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	6	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	7	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	9	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	14	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	17	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	18	0.34
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	20	0.34
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	7	0.34
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG21	19	0.34
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	14	0.34
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	6	0.34
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	14	0.34
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	16	0.34
(1,3886)	1:151:A:ILE:H	1:151:A:ILE:HG12	19	0.34
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	9	0.34
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	20	0.34
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD23	5	0.34
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD21	6	0.34
(1,3789)	1:92:A:VAL:HG22	1:109:A:LEU:HD21	13	0.34
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG21	5	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	1	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	3	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG21	5	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	10	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	15	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	16	0.34
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG23	17	0.34
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	17	0.34
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	4	0.34
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	19	0.34
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	6	0.34
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG22	16	0.34
(1,3633)	1:89:A:VAL:HG13	1:89:A:VAL:HG23	15	0.34
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	2	0.34
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	12	0.34
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	13	0.34
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	16	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	1	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	2	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	9	0.34
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	14	0.34
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	7	0.34
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	9	0.34
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	15	0.34
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB1	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	8	0.34
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	1	0.34
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	16	0.34
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	3	0.34
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG22	15	0.34
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	1	0.34
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	3	0.34
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	10	0.34
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	13	0.34
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	14	0.34
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	13	0.34
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	3	0.34
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	9	0.34
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	11	0.34
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	17	0.34
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	1	0.34
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	3	0.34
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	10	0.34
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	13	0.34
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB2	6	0.34
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB2	7	0.34
(1,3439)	1:102:A:ALA:HB3	1:105:A:ALA:HB3	16	0.34
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB3	19	0.34
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB2	11	0.34
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	17	0.34
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	1	0.34
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	10	0.34
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB1	16	0.34
(1,3355)	1:155:A:VAL:H	1:157:A:ALA:HB3	11	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB1	2	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB2	7	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB2	8	0.34
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB2	16	0.34
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB3	20	0.34
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	8	0.34
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	12	0.34
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG11	19	0.34
(1,3292)	1:155:A:VAL:HG12	1:157:A:ALA:HA	5	0.34
(1,3292)	1:155:A:VAL:HG11	1:157:A:ALA:HA	7	0.34
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG22	17	0.34
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	8	0.34
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	14	0.34
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG23	17	0.34
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	18	0.34
(1,3176)	1:121:A:LEU:HD22	1:119:A:PHE:HD2	17	0.34
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD11	11	0.34
(1,3137)	1:174:A:LEU:HD22	1:105:A:ALA:HB2	4	0.34
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB1	4	0.34
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	16	0.34
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG21	19	0.34
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG23	3	0.34
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	11	0.34
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	15	0.34
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	2	0.34
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	5	0.34
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB1	14	0.34
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	12	0.34
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	14	0.34
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	17	0.34
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	9	0.34
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	3	0.34
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	1	0.34
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	19	0.34
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG13	20	0.34
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	3	0.34
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG22	11	0.34
(1,2682)	1:155:A:VAL:HG22	1:151:A:ILE:HG22	19	0.34
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	3	0.34
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	6	0.34
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	13	0.34
(1,2679)	1:155:A:VAL:HG23	1:152:A:ALA:HA	15	0.34
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	14	0.34
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD21	14	0.34
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	5	0.34
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	4	0.34
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	8	0.34
(1,2494)	1:74:A:LYS:HD2	1:74:A:LYS:HG3	9	0.34
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	13	0.34
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	19	0.34
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	6	0.34
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	17	0.34
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	6	0.34
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG23	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG21	18	0.34
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD23	19	0.34
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD12	2	0.34
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	5	0.34
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	10	0.34
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	19	0.34
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	12	0.34
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB2	5	0.34
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	5	0.34
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	8	0.34
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	9	0.34
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	17	0.34
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	1	0.34
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	16	0.34
(1,1567)	1:86:A:VAL:H	1:85:A:SER:HB2	2	0.34
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	13	0.34
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	17	0.34
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	16	0.34
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	1	0.34
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG11	10	0.34
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB3	4	0.34
(1,1449)	1:144:A:THR:HB	1:147:A:LYS:HE2	10	0.34
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	4	0.34
(1,1434)	1:87:A:LEU:HB3	1:119:A:PHE:HD1	8	0.34
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	3	0.34
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	13	0.34
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	6	0.34
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	7	0.34
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	17	0.34
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	7	0.34
(1,1327)	1:148:A:ALA:HB1	1:162:A:TYR:HE2	10	0.34
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	14	0.34
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	18	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	5	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	6	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	8	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	9	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	13	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	14	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	15	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	19	0.34
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	20	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	6	0.34
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	10	0.34
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	17	0.34
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	2	0.34
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	2	0.34
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	9	0.34
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	12	0.34
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG21	5	0.34
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	10	0.34
(1,1175)	1:175:A:GLN:H	1:176:A:MET:HG2	9	0.34
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	16	0.34
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	17	0.34
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	1	0.34
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	4	0.34
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	3	0.34
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	11	0.34
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	17	0.34
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	19	0.34
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	5	0.34
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	4	0.34
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	12	0.34
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	17	0.34
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	19	0.34
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	20	0.34
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	12	0.34
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	17	0.34
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	19	0.34
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	1	0.34
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	17	0.34
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	2	0.34
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG23	12	0.34
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB2	2	0.34
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	19	0.34
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	16	0.34
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	17	0.34
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	10	0.34
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	7	0.34
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	12	0.34
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	13	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	1	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	6	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	7	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	9	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	13	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	19	0.34
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	20	0.34
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	5	0.34
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	11	0.34
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	3	0.34
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	5	0.34
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	13	0.34
(1,800)	1:32:A:THR:HG23	1:32:A:THR:HB	14	0.34
(1,789)	1:174:A:LEU:HA	1:165:A:ALA:HB2	8	0.34
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	4	0.34
(1,784)	1:121:A:LEU:HD21	1:120:A:THR:H	13	0.34
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	5	0.34
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD12	15	0.34
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	13	0.34
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	15	0.34
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	18	0.34
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	3	0.34
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	4	0.34
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	5	0.34
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	19	0.34
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	13	0.34
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	17	0.34
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	20	0.34
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	1	0.34
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	11	0.34
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	16	0.34
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	19	0.34
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	2	0.34
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	5	0.34
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	6	0.34
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	1	0.34
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	2	0.34
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	6	0.34
(1,522)	1:37:A:PRO:HB3	1:37:A:PRO:HA	15	0.34
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	8	0.34
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	12	0.34
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	16	0.34
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	6	0.34
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	14	0.34
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	15	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,462)	1:91:A:SER:H	1:142:A:LEU:HD12	9	0.34
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	4	0.34
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	15	0.34
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	16	0.34
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	4	0.34
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	11	0.34
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	9	0.34
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD21	3	0.34
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	9	0.34
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	11	0.34
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	19	0.34
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	17	0.34
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	7	0.34
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	15	0.34
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	17	0.34
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	7	0.34
(1,252)	1:131:A:LYS:HE2	1:142:A:LEU:HD12	15	0.34
(1,248)	1:131:A:LYS:HE3	1:142:A:LEU:HD11	12	0.34
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	12	0.34
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	14	0.34
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	6	0.34
(1,231)	1:110:A:ARG:HD2	1:107:A:GLU:HG3	8	0.34
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	19	0.34
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	13	0.34
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	15	0.34
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	18	0.34
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB3	1	0.34
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD23	15	0.34
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	8	0.34
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	17	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	3	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	5	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	6	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	7	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	8	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	10	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	13	0.34
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	17	0.34
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD21	2	0.34
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	1	0.34
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	2	0.34
(1,84)	1:131:A:LYS:HA	1:131:A:LYS:HB2	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	4	0.34
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	9	0.34
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	12	0.34
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	13	0.34
(1,73)	1:146:A:SER:HB2	1:149:A:ILE:HD12	12	0.34
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	14	0.34
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	17	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	1	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	4	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	8	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	10	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	13	0.34
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	17	0.34
(1,10)	1:74:A:LYS:HB3	1:188:A:TRP:HD1	16	0.34
(1,7)	1:119:A:PHE:HZ	1:85:A:SER:HB2	2	0.34
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	12	0.34
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	8	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	8	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	8	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	8	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	8	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	8	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	8	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	8	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	8	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	16	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	16	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	16	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	16	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	16	0.33
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	16	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	16	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	16	0.33
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	16	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	8	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	8	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	8	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	8	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	8	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	8	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	8	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	8	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	8	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	16	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	16	0.33
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	16	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	16	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	16	0.33
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	16	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	16	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	16	0.33
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	16	0.33
(1,5115)	1:182:A:GLN:HE21	1:180:A:LEU:HD13	19	0.33
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	2	0.33
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG22	4	0.33
(1,4998)	1:182:A:GLN:HE22	1:180:A:LEU:HD13	19	0.33
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	4	0.33
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG21	10	0.33
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	3	0.33
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	5	0.33
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	10	0.33
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	16	0.33
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	1	0.33
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	9	0.33
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	14	0.33
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG11	19	0.33
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	11	0.33
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG22	7	0.33
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG23	9	0.33
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	19	0.33
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	3	0.33
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	3	0.33
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	5	0.33
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	11	0.33
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	12	0.33
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	8	0.33
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	15	0.33
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG23	10	0.33
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB3	19	0.33
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	9	0.33
(1,4152)	1:94:A:ASN:H	1:100:A:LEU:HD12	20	0.33
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	12	0.33
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	2	0.33
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	8	0.33
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	17	0.33
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	10	0.33
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	11	0.33
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	17	0.33
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG23	15	0.33
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	8	0.33
(1,3927)	1:181:A:VAL:H	1:159:A:TYR:HD1	12	0.33
(1,3914)	1:64:A:TRP:HE1	1:62:A:TYR:HD2	4	0.33
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	4	0.33
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	18	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	3	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	6	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	8	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	9	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	10	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	13	0.33
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	17	0.33
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	1	0.33
(1,3798)	1:88:A:LEU:HD12	1:88:A:LEU:HA	16	0.33
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD21	7	0.33
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD22	9	0.33
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD22	16	0.33
(1,3789)	1:92:A:VAL:HG21	1:109:A:LEU:HD21	18	0.33
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	7	0.33
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	19	0.33
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	5	0.33
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	9	0.33
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	10	0.33
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	13	0.33
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	20	0.33
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD23	1	0.33
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD21	9	0.33
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD21	18	0.33
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	1	0.33
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	1	0.33
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	4	0.33
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	9	0.33
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	17	0.33
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	6	0.33
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	11	0.33
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB1	20	0.33
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	15	0.33
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	11	0.33
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	18	0.33
(1,3493)	1:59:A:ILE:HB	1:59:A:ILE:HG21	18	0.33
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	1	0.33
(1,3463)	1:179:A:MET:HE2	1:148:A:ALA:H	7	0.33
(1,3463)	1:179:A:MET:HE3	1:148:A:ALA:H	20	0.33
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	10	0.33
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	11	0.33
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	2	0.33
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	8	0.33
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB1	3	0.33
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB3	9	0.33
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	1	0.33
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	4	0.33
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	8	0.33
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	11	0.33
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	13	0.33
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB2	15	0.33
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	5	0.33
(1,3360)	1:148:A:ALA:HB2	1:145:A:ARG:H	6	0.33
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	13	0.33
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB1	1	0.33
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB3	6	0.33
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB1	9	0.33
(1,3343)	1:181:A:VAL:HG12	1:157:A:ALA:HB3	14	0.33
(1,3342)	1:86:A:VAL:HG21	1:157:A:ALA:HB3	10	0.33
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	16	0.33
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	11	0.33
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	12	0.33
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	7	0.33
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	11	0.33
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB2	14	0.33
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	13	0.33
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	15	0.33
(1,2914)	1:60:A:ARG:HG3	1:60:A:ARG:HA	20	0.33
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	18	0.33
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	20	0.33
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	2	0.33
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	5	0.33
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB2	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB2	15	0.33
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	18	0.33
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	17	0.33
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	20	0.33
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	3	0.33
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	12	0.33
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	16	0.33
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	20	0.33
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	4	0.33
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	4	0.33
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG13	5	0.33
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG12	8	0.33
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	9	0.33
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG11	12	0.33
(1,2717)	1:172:A:PRO:HD3	1:194:A:VAL:HG13	14	0.33
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG22	1	0.33
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG22	7	0.33
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	19	0.33
(1,2679)	1:155:A:VAL:HG21	1:152:A:ALA:HA	19	0.33
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	4	0.33
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	11	0.33
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	18	0.33
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	20	0.33
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	10	0.33
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	13	0.33
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	13	0.33
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	9	0.33
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	15	0.33
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	4	0.33
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	12	0.33
(1,2347)	1:71:A:MET:HG3	1:72:A:VAL:HG22	9	0.33
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	2	0.33
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	19	0.33
(1,2327)	1:196:A:GLN:HG3	1:196:A:GLN:HB3	7	0.33
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	2	0.33
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD13	11	0.33
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	13	0.33
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	15	0.33
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD23	3	0.33
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	17	0.33
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	20	0.33
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	15	0.33
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	16	0.33
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	2	0.33
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	3	0.33
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	6	0.33
(1,1838)	1:115:A:ASN:HA	1:114:A:ALA:HB1	18	0.33
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	10	0.33
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	12	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	2	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	3	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	5	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	11	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	13	0.33
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	15	0.33
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	2	0.33
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	16	0.33
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	3	0.33
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	20	0.33
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	12	0.33
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	17	0.33
(1,1423)	1:188:A:TRP:HZ3	1:161:A:LEU:HD21	20	0.33
(1,1382)	1:87:A:LEU:HD11	1:119:A:PHE:HD2	2	0.33
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	4	0.33
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	1	0.33
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	4	0.33
(1,1327)	1:148:A:ALA:HB1	1:162:A:TYR:HE2	20	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	1	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	2	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	3	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	4	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	7	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	10	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	11	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	12	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	16	0.33
(1,1301)	1:64:A:TRP:HB3	1:64:A:TRP:HD1	18	0.33
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	11	0.33
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB3	14	0.33
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	15	0.33
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	17	0.33
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	8	0.33
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:81:A:VAL:H	1:82:A:THR:H	11	0.33
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	4	0.33
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	15	0.33
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	18	0.33
(1,1175)	1:175:A:GLN:H	1:176:A:MET:HG2	12	0.33
(1,1175)	1:175:A:GLN:H	1:176:A:MET:HG2	17	0.33
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	3	0.33
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	6	0.33
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	1	0.33
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	10	0.33
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG12	12	0.33
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD23	17	0.33
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD22	3	0.33
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	8	0.33
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	11	0.33
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	19	0.33
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	6	0.33
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	8	0.33
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	15	0.33
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	6	0.33
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	12	0.33
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	10	0.33
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	12	0.33
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	8	0.33
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG22	20	0.33
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	3	0.33
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG23	6	0.33
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	8	0.33
(1,890)	1:191:A:LYS:HE2	1:175:A:GLN:HG3	3	0.33
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	5	0.33
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	5	0.33
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG23	1	0.33
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	9	0.33
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	2	0.33
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	5	0.33
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	8	0.33
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	12	0.33
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	14	0.33
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	18	0.33
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	3	0.33
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	14	0.33
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	17	0.33
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	19	0.33
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	8	0.33
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	3	0.33
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	10	0.33
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	7	0.33
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	10	0.33
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	6	0.33
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	9	0.33
(1,745)	1:161:A:LEU:HD11	1:176:A:MET:HE2	17	0.33
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	8	0.33
(1,743)	1:114:A:ALA:HB2	1:111:A:ASN:HD21	11	0.33
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	3	0.33
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	2	0.33
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	20	0.33
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	8	0.33
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	18	0.33
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	5	0.33
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	10	0.33
(1,581)	1:112:A:ALA:HA	1:111:A:ASN:HB3	14	0.33
(1,569)	1:108:A:THR:HG21	1:105:A:ALA:HA	10	0.33
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	15	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	2	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	3	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	10	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	13	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	17	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	18	0.33
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	19	0.33
(1,533)	1:120:A:THR:HA	1:121:A:LEU:HD21	16	0.33
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	3	0.33
(1,522)	1:12:A:PRO:HA	1:12:A:PRO:HB3	5	0.33
(1,522)	1:12:A:PRO:HA	1:12:A:PRO:HB3	7	0.33
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	8	0.33
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	12	0.33
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	17	0.33
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	18	0.33
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	19	0.33
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	4	0.33
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	3	0.33
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	6	0.33
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	11	0.33
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	4	0.33
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	17	0.33
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	3	0.33
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	9	0.33
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	12	0.33
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	10	0.33
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	3	0.33
(1,462)	1:91:A:SER:H	1:142:A:LEU:HD12	1	0.33
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	20	0.33
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	2	0.33
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	10	0.33
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	7	0.33
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	15	0.33
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	3	0.33
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	7	0.33
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	18	0.33
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	12	0.33
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	2	0.33
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	13	0.33
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	20	0.33
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	1	0.33
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	16	0.33
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	19	0.33
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB2	13	0.33
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	4	0.33
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	5	0.33
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	4	0.33
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	16	0.33
(1,171)	1:135:A:GLY:HA3	1:136:A:LEU:HD22	10	0.33
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	2	0.33
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	6	0.33
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	11	0.33
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	15	0.33
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	16	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	1	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	4	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	9	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	14	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	15	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	18	0.33
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	6	0.33
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	20	0.33
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG22	9	0.33
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	9	0.33
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	10	0.33
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	12	0.33
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD13	2	0.33
(1,1)	1:186:A:ILE:HD13	1:162:A:TYR:HD2	18	0.33
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	2	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	2	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	2	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	2	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	2	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	2	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	2	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	2	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	2	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	6	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	6	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	6	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	6	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	6	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	6	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	6	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	6	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	6	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	18	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	18	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	18	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	18	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	18	0.32
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	18	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	18	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	18	0.32
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	18	0.32
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	12	0.32
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	12	0.32
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	12	0.32
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	14	0.32
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	14	0.32
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	14	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	2	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	2	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	2	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	2	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	2	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	2	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	2	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	2	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	6	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	6	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	6	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	6	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	6	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	6	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	6	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	6	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	6	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	18	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	18	0.32
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	18	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	18	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	18	0.32
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	18	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	18	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	18	0.32
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	18	0.32
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	12	0.32
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	12	0.32
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	12	0.32
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	14	0.32
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	14	0.32
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	14	0.32
(1,5100)	1:16:A:VAL:H	1:15:A:GLU:HA	10	0.32
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	6	0.32
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG22	2	0.32
(1,5030)	1:175:A:GLN:HE22	1:167:A:GLY:HA3	16	0.32
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	12	0.32
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	2	0.32
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	4	0.32
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	20	0.32
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	5	0.32
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	3	0.32
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD11	20	0.32
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB1	5	0.32
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	8	0.32
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	5	0.32
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	11	0.32
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	13	0.32
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD23	1	0.32
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	9	0.32
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	17	0.32
(1,4516)	1:139:A:GLN:H	1:140:A:ASP:HB3	10	0.32
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD22	6	0.32
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	10	0.32
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	11	0.32
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	6	0.32
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	8	0.32
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	19	0.32
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	20	0.32
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	17	0.32
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	19	0.32
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	1	0.32
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	3	0.32
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	13	0.32
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	17	0.32
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	19	0.32
(1,4145)	1:151:A:ILE:H	1:150:A:GLY:HA2	16	0.32
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	4	0.32
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	5	0.32
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG23	19	0.32
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB1	6	0.32
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	8	0.32
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	9	0.32
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	5	0.32
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	10	0.32
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	2	0.32
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	16	0.32
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	19	0.32
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	1	0.32
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	5	0.32
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	11	0.32
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	19	0.32
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG23	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	19	0.32
(1,3809)	1:87:A:LEU:HD21	1:119:A:PHE:HD1	10	0.32
(1,3809)	1:87:A:LEU:HD22	1:119:A:PHE:HD1	16	0.32
(1,3789)	1:92:A:VAL:HG23	1:109:A:LEU:HD22	19	0.32
(1,3703)	1:177:A:GLN:HA	1:186:A:ILE:HG22	14	0.32
(1,3693)	1:91:A:SER:HA	1:105:A:ALA:HB2	13	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	3	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	7	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	8	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	11	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	14	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	15	0.32
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD13	16	0.32
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD21	7	0.32
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD23	10	0.32
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	3	0.32
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	9	0.32
(1,3649)	1:97:A:ASN:H	1:96:A:THR:HG21	11	0.32
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD21	17	0.32
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	5	0.32
(1,3612)	1:134:A:LEU:HD13	1:134:A:LEU:HA	8	0.32
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	18	0.32
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	5	0.32
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	13	0.32
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	2	0.32
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	4	0.32
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	15	0.32
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	18	0.32
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	12	0.32
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	16	0.32
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	18	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	1	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB1	5	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	6	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	7	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	9	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	10	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	12	0.32
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	19	0.32
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	12	0.32
(1,3522)	1:149:A:ILE:HG23	1:181:A:VAL:HA	15	0.32
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	7	0.32
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD23	10	0.32
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	6	0.32
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	20	0.32
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	1	0.32
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	4	0.32
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	7	0.32
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	8	0.32
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	4	0.32
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	11	0.32
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	20	0.32
(1,3441)	1:174:A:LEU:HD21	1:71:A:MET:HE1	4	0.32
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB1	2	0.32
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB1	14	0.32
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	2	0.32
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD21	11	0.32
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	13	0.32
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	14	0.32
(1,3356)	1:157:A:ALA:HB1	1:126:A:GLN:HE21	14	0.32
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB2	5	0.32
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB3	17	0.32
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	3	0.32
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	5	0.32
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	14	0.32
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	8	0.32
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB1	17	0.32
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB3	17	0.32
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG22	20	0.32
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	7	0.32
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	16	0.32
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG23	19	0.32
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	20	0.32
(1,3241)	1:81:A:VAL:HG23	1:159:A:TYR:HD2	13	0.32
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	20	0.32
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	7	0.32
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD12	14	0.32
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD12	15	0.32
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	15	0.32
(1,3112)	1:61:A:HIS:HB2	1:197:A:GLN:HB2	8	0.32
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	16	0.32
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	14	0.32
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	1	0.32
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	9	0.32
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	10	0.32
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	8	0.32
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	13	0.32
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	7	0.32
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	1	0.32
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	7	0.32
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	8	0.32
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	2	0.32
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	4	0.32
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	16	0.32
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	6	0.32
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	15	0.32
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	4	0.32
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG22	12	0.32
(1,2679)	1:155:A:VAL:HG22	1:152:A:ALA:HA	17	0.32
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	11	0.32
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD22	10	0.32
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD22	5	0.32
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	9	0.32
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	16	0.32
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	1	0.32
(1,2602)	1:178:A:LEU:HD11	1:188:A:TRP:HZ3	4	0.32
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	8	0.32
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	12	0.32
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	15	0.32
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	19	0.32
(1,2546)	1:60:A:ARG:HG2	1:62:A:TYR:HE1	7	0.32
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	10	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	1	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	3	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	5	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	6	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	8	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	9	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	10	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	11	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	13	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	17	0.32
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	19	0.32
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	9	0.32
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB3	4	0.32
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB3	20	0.32
(1,2353)	1:71:A:MET:HG2	1:71:A:MET:HE2	18	0.32
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	12	0.32
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	18	0.32
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	9	0.32
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	8	0.32
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD11	7	0.32
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	11	0.32
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	18	0.32
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB3	3	0.32
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	8	0.32
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	11	0.32
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	14	0.32
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	19	0.32
(1,2151)	1:118:A:LYS:HE3	1:118:A:LYS:HG3	17	0.32
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	18	0.32
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	13	0.32
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	17	0.32
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	3	0.32
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	7	0.32
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	19	0.32
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB1	15	0.32
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	2	0.32
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	2	0.32
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	10	0.32
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	4	0.32
(1,1568)	1:85:A:SER:HB2	1:158:A:HIS:H	20	0.32
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	7	0.32
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG23	9	0.32
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	19	0.32
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG13	11	0.32
(1,1520)	1:163:A:SER:HB2	1:92:A:VAL:HG12	15	0.32
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	7	0.32
(1,1417)	1:178:A:LEU:HD12	1:159:A:TYR:HE2	12	0.32
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	8	0.32
(1,1382)	1:87:A:LEU:HD12	1:119:A:PHE:HD2	7	0.32
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	10	0.32
(1,1382)	1:87:A:LEU:HD11	1:119:A:PHE:HD2	15	0.32
(1,1382)	1:87:A:LEU:HD12	1:119:A:PHE:HD2	18	0.32
(1,1367)	1:76:A:LEU:HD12	1:119:A:PHE:HE2	20	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	18	0.32
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	14	0.32
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	19	0.32
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	13	0.32
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	6	0.32
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	13	0.32
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	18	0.32
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	17	0.32
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG21	19	0.32
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	4	0.32
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	9	0.32
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	20	0.32
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	12	0.32
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	2	0.32
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG23	5	0.32
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	15	0.32
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	5	0.32
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	17	0.32
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	9	0.32
(1,978)	1:176:A:MET:H	1:71:A:MET:HE1	20	0.32
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	17	0.32
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	15	0.32
(1,967)	1:75:A:MET:H	1:75:A:MET:HG2	15	0.32
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	14	0.32
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	15	0.32
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	9	0.32
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	15	0.32
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	14	0.32
(1,899)	1:181:A:VAL:H	1:180:A:LEU:HB3	20	0.32
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	3	0.32
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	6	0.32
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	10	0.32
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	1	0.32
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	7	0.32
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	11	0.32
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	14	0.32
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	19	0.32
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	3	0.32
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	5	0.32
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	18	0.32
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	17	0.32
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	10	0.32
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	11	0.32
(1,828)	1:132:A:GLN:HG2	1:132:A:GLN:HB3	15	0.32
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	18	0.32
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	19	0.32
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	2	0.32
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	20	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	1	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	2	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	3	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	4	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	5	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	6	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	8	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	9	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	10	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	11	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	12	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	13	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	14	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	15	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	16	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	17	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	18	0.32
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	19	0.32
(1,792)	1:34:A:PRO:HD2	1:34:A:PRO:HD3	20	0.32
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	20	0.32
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	1	0.32
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD13	18	0.32
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	13	0.32
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	1	0.32
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	12	0.32
(1,743)	1:114:A:ALA:HB2	1:111:A:ASN:HD21	13	0.32
(1,743)	1:114:A:ALA:HB1	1:111:A:ASN:HD21	14	0.32
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	17	0.32
(1,685)	1:23:A:PRO:HA	1:23:A:PRO:HG3	12	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	6	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	8	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	9	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	13	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	14	0.32
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	2	0.32
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	4	0.32
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	12	0.32
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	17	0.32
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	19	0.32
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	1	0.32
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	6	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	1	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	6	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	7	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	9	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	10	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	14	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	15	0.32
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	17	0.32
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	5	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	3	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	4	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	6	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	7	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	9	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	13	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	14	0.32
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	17	0.32
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	3	0.32
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	5	0.32
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	12	0.32
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	5	0.32
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	4	0.32
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	14	0.32
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	2	0.32
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	10	0.32
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	5	0.32
(1,522)	1:37:A:PRO:HB3	1:37:A:PRO:HA	9	0.32
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	10	0.32
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	13	0.32
(1,522)	1:37:A:PRO:HB3	1:37:A:PRO:HA	14	0.32
(1,522)	1:43:A:PRO:HB3	1:43:A:PRO:HA	16	0.32
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	10	0.32
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	6	0.32
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	20	0.32
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	16	0.32
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	1	0.32
(1,475)	1:81:A:VAL:HG22	1:75:A:MET:HG3	10	0.32
(1,475)	1:81:A:VAL:HG22	1:75:A:MET:HG3	13	0.32
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	20	0.32
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	2	0.32
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD12	4	0.32
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD12	7	0.32
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	9	0.32
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	17	0.32
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD21	13	0.32
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD22	17	0.32
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	10	0.32
(1,382)	1:8:A:ARG:H	1:8:A:ARG:HB3	18	0.32
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	2	0.32
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	5	0.32
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	11	0.32
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	15	0.32
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	18	0.32
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	2	0.32
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	9	0.32
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	12	0.32
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	2	0.32
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	3	0.32
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	19	0.32
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	7	0.32
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	13	0.32
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	8	0.32
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB1	2	0.32
(1,164)	1:66:A:GLY:HA3	1:69:A:GLN:HB2	20	0.32
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	1	0.32
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	3	0.32
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	14	0.32
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	20	0.32
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD12	3	0.32
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD12	11	0.32
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE2	6	0.32
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	2	0.32
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	12	0.32
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	16	0.32
(1,119)	1:152:A:ALA:HA	1:151:A:ILE:HA	19	0.32
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	9	0.32
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	14	0.32
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	19	0.32
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	20	0.32
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	6	0.32
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	7	0.32
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	9	0.32
(1,33)	1:71:A:MET:H	1:72:A:VAL:HA	18	0.32
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	3	0.32
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	4	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	4	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	4	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	4	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	4	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	4	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	4	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	4	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	4	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	14	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	14	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	14	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	14	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	14	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	14	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	14	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	14	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	14	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	17	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	17	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	17	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	17	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	17	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	17	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	17	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	17	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	17	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	19	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	19	0.31
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	19	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	19	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	19	0.31
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	19	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	19	0.31
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	19	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	4	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	4	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	4	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	4	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	4	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	4	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	4	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	4	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	4	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	14	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	14	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	14	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	14	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	14	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	14	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	14	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	14	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	14	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	17	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	17	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	17	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	17	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	17	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	17	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	17	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	17	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	17	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	19	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	19	0.31
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	19	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	19	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	19	0.31
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	19	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	19	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	19	0.31
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	19	0.31
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG22	13	0.31
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	17	0.31
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD11	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5051)	1:177:A:GLN:HE22	1:186:A:ILE:HG21	6	0.31
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	13	0.31
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB3	2	0.31
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	1	0.31
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	7	0.31
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	11	0.31
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	15	0.31
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	18	0.31
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	2	0.31
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	4	0.31
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	17	0.31
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	7	0.31
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	14	0.31
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD13	10	0.31
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	5	0.31
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG11	19	0.31
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB1	14	0.31
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD23	17	0.31
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	7	0.31
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB3	7	0.31
(1,4527)	1:168:A:ASN:HD22	1:171:A:ALA:HB1	14	0.31
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	8	0.31
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	4	0.31
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	9	0.31
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG21	13	0.31
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	19	0.31
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	1	0.31
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	5	0.31
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD13	10	0.31
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	17	0.31
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD13	1	0.31
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD12	7	0.31
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	13	0.31
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	4	0.31
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	6	0.31
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	11	0.31
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	20	0.31
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG23	2	0.31
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG23	10	0.31
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	14	0.31
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	20	0.31
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG23	17	0.31
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	20	0.31
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE1	3	0.31
(1,3962)	1:179:A:MET:H	1:179:A:MET:HE2	14	0.31
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	2	0.31
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	4	0.31
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	7	0.31
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	15	0.31
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG21	5	0.31
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG23	12	0.31
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG22	13	0.31
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG21	16	0.31
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG23	17	0.31
(1,3886)	1:151:A:ILE:H	1:151:A:ILE:HG12	13	0.31
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	2	0.31
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	10	0.31
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	8	0.31
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	17	0.31
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	1	0.31
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	18	0.31
(1,3677)	1:39:A:ILE:HA	1:39:A:ILE:HD13	4	0.31
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD22	11	0.31
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD23	19	0.31
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	7	0.31
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	15	0.31
(1,3612)	1:134:A:LEU:HD13	1:134:A:LEU:HA	17	0.31
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD23	10	0.31
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG11	15	0.31
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG11	19	0.31
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	1	0.31
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	13	0.31
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	5	0.31
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	16	0.31
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB1	3	0.31
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB1	5	0.31
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB1	14	0.31
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB1	3	0.31
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	8	0.31
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	16	0.31
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	18	0.31
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	20	0.31
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	13	0.31
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	14	0.31
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	17	0.31
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	4	0.31
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	9	0.31
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB1	17	0.31
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	19	0.31
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	8	0.31
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE1	20	0.31
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	6	0.31
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	8	0.31
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	10	0.31
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	14	0.31
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	19	0.31
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	7	0.31
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	11	0.31
(1,3441)	1:174:A:LEU:HD22	1:71:A:MET:HE1	18	0.31
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB3	10	0.31
(1,3439)	1:102:A:ALA:HB2	1:105:A:ALA:HB2	13	0.31
(1,3409)	1:147:A:LYS:H	1:148:A:ALA:HB1	20	0.31
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	3	0.31
(1,3395)	1:188:A:TRP:HB3	1:78:A:ALA:HB3	19	0.31
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB1	14	0.31
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	8	0.31
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB1	3	0.31
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	7	0.31
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	7	0.31
(1,3322)	1:160:A:VAL:HG22	1:162:A:TYR:HE2	17	0.31
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB2	19	0.31
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	11	0.31
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	12	0.31
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	18	0.31
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG22	15	0.31
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	14	0.31
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD11	1	0.31
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD11	5	0.31
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	16	0.31
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB1	9	0.31
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	2	0.31
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	5	0.31
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	7	0.31
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	2	0.31
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG22	6	0.31
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	12	0.31
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	12	0.31
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	14	0.31
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	16	0.31
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	18	0.31
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	14	0.31
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	4	0.31
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	2	0.31
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	4	0.31
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	16	0.31
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	20	0.31
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	5	0.31
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	12	0.31
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	4	0.31
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	5	0.31
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	11	0.31
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	14	0.31
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	14	0.31
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	2	0.31
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	5	0.31
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	20	0.31
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	20	0.31
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	9	0.31
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	10	0.31
(1,2672)	1:106:A:THR:HG22	1:110:A:ARG:H	3	0.31
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	5	0.31
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD22	7	0.31
(1,2657)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	3	0.31
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	5	0.31
(1,2646)	1:113:A:LEU:HD22	1:75:A:MET:HE3	4	0.31
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	2	0.31
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	4	0.31
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD12	10	0.31
(1,2553)	1:113:A:LEU:H	1:113:A:LEU:HD13	4	0.31
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	13	0.31
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	19	0.31
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	1	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	2	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	4	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	12	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	14	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	15	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	16	0.31
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	18	0.31
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	7	0.31
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	10	0.31
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	16	0.31
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	16	0.31
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD13	4	0.31
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	18	0.31
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	8	0.31
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	11	0.31
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	18	0.31
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	6	0.31
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	15	0.31
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	10	0.31
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	4	0.31
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	18	0.31
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	2	0.31
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	4	0.31
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	10	0.31
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	9	0.31
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	14	0.31
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	16	0.31
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD13	12	0.31
(1,1568)	1:85:A:SER:HB2	1:158:A:HIS:H	2	0.31
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	1	0.31
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	10	0.31
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	8	0.31
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	13	0.31
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	8	0.31
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	7	0.31
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	18	0.31
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	20	0.31
(1,1382)	1:87:A:LEU:HD11	1:119:A:PHE:HD2	6	0.31
(1,1368)	1:75:A:MET:HG3	1:119:A:PHE:HE2	19	0.31
(1,1367)	1:76:A:LEU:HD11	1:119:A:PHE:HE2	10	0.31
(1,1367)	1:76:A:LEU:HD12	1:119:A:PHE:HE2	13	0.31
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	2	0.31
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG3	18	0.31
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	9	0.31
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	10	0.31
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	6	0.31
(1,1193)	1:171:A:ALA:H	1:60:A:ARG:HD2	10	0.31
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD13	12	0.31
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	1	0.31
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	6	0.31
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	13	0.31
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	16	0.31
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	5	0.31
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	2	0.31
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	5	0.31
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	10	0.31
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD21	19	0.31
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	2	0.31
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HB3	16	0.31
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	8	0.31
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	20	0.31
(1,1091)	1:76:A:LEU:H	1:76:A:LEU:HB3	2	0.31
(1,1043)	1:113:A:LEU:H	1:115:A:ASN:HB2	20	0.31
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	10	0.31
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	10	0.31
(1,1000)	1:136:A:LEU:H	1:136:A:LEU:HD11	16	0.31
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD13	15	0.31
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	15	0.31
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	20	0.31
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	6	0.31
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	18	0.31
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	3	0.31
(1,957)	1:130:A:ALA:H	1:133:A:GLN:HG2	16	0.31
(1,927)	1:90:A:ASP:H	1:109:A:LEU:HD11	16	0.31
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	2	0.31
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	9	0.31
(1,899)	1:181:A:VAL:H	1:180:A:LEU:HB3	7	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	2	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	3	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	5	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	12	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	15	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	16	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	17	0.31
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	14	0.31
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	15	0.31
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	6	0.31
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD13	20	0.31
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD22	3	0.31
(1,828)	1:139:A:GLN:HG3	1:139:A:GLN:HB2	17	0.31
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	20	0.31
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	4	0.31
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG3	13	0.31
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	4	0.31
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	18	0.31
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	6	0.31
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG3	15	0.31
(1,792)	1:37:A:PRO:HD2	1:37:A:PRO:HD3	7	0.31
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	9	0.31
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	19	0.31
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	4	0.31
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	6	0.31
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	8	0.31
(1,745)	1:161:A:LEU:HD12	1:176:A:MET:HE2	18	0.31
(1,713)	1:67:A:ALA:HB2	1:71:A:MET:HE2	3	0.31
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	2	0.31
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	7	0.31
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	1	0.31
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	7	0.31
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	10	0.31
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	12	0.31
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	17	0.31
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	4	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	6	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	7	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	9	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	10	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	13	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	14	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	15	0.31
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	18	0.31
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	11	0.31
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	19	0.31
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	13	0.31
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	8	0.31
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	15	0.31
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	18	0.31
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	19	0.31
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	1	0.31
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	16	0.31
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	10	0.31
(1,569)	1:108:A:THR:HG21	1:105:A:ALA:HA	3	0.31
(1,555)	1:123:A:SER:HA	1:89:A:VAL:HG13	6	0.31
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	5	0.31
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	8	0.31
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	12	0.31
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	15	0.31
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	20	0.31
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	8	0.31
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	9	0.31
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	15	0.31
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	17	0.31
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	19	0.31
(1,522)	1:12:A:PRO:HA	1:12:A:PRO:HB3	11	0.31
(1,522)	1:45:A:PRO:HA	1:45:A:PRO:HB3	20	0.31
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	20	0.31
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	15	0.31
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	4	0.31
(1,516)	1:195:A:SER:HB2	1:194:A:VAL:HB	9	0.31
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	9	0.31
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	2	0.31
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	4	0.31
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	6	0.31
(1,475)	1:81:A:VAL:HG22	1:75:A:MET:HG3	11	0.31
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	17	0.31
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	20	0.31
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD13	10	0.31
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	14	0.31
(1,445)	1:74:A:LYS:HG2	1:74:A:LYS:HE3	5	0.31
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	1	0.31
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	5	0.31
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD22	18	0.31
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	12	0.31
(1,365)	1:176:A:MET:HG2	1:109:A:LEU:HD21	13	0.31
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	11	0.31
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	12	0.31
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	20	0.31
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	4	0.31
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	5	0.31
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	17	0.31
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	11	0.31
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	12	0.31
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	17	0.31
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	18	0.31
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	7	0.31
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	6	0.31
(1,149)	1:168:A:ASN:HA	1:167:A:GLY:HA3	13	0.31
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD13	8	0.31
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	1	0.31
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	5	0.31
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	11	0.31
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	14	0.31
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	15	0.31
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	9	0.31
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	3	0.31
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	12	0.31
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD22	19	0.31
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	20	0.3
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	9	0.3
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	4	0.3
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	18	0.3
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	4	0.3
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG21	2	0.3
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	8	0.3
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG23	14	0.3
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG21	19	0.3
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	8	0.3
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	3	0.3
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	5	0.3
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	8	0.3
(1,4886)	1:104:A:GLU:H	1:100:A:LEU:HD12	2	0.3
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	13	0.3
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	3	0.3
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG23	14	0.3
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	9	0.3
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	12	0.3
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	16	0.3
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD23	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	15	0.3
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	11	0.3
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	14	0.3
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	18	0.3
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	18	0.3
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG22	11	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD13	3	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	4	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	6	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	9	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	14	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	15	0.3
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	16	0.3
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	14	0.3
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	19	0.3
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	2	0.3
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	7	0.3
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	14	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	1	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	3	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG23	9	0.3
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG22	20	0.3
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	5	0.3
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	12	0.3
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB1	5	0.3
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	18	0.3
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	3	0.3
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	14	0.3
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	15	0.3
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG21	6	0.3
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG22	8	0.3
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG23	14	0.3
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG22	15	0.3
(1,3867)	1:49:A:GLU:HB3	1:49:A:GLU:HA	6	0.3
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	5	0.3
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	20	0.3
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	20	0.3
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD21	5	0.3
(1,3659)	1:174:A:LEU:HD12	1:174:A:LEU:HD23	12	0.3
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD23	13	0.3
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	6	0.3
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	3	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	6	0.3
(1,3612)	1:134:A:LEU:HD13	1:134:A:LEU:HA	10	0.3
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	11	0.3
(1,3612)	1:134:A:LEU:HD11	1:134:A:LEU:HA	14	0.3
(1,3612)	1:134:A:LEU:HD12	1:134:A:LEU:HA	20	0.3
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG11	8	0.3
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD11	10	0.3
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	12	0.3
(1,3563)	1:187:A:ILE:HD12	1:178:A:LEU:H	14	0.3
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	6	0.3
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	10	0.3
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	4	0.3
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB3	11	0.3
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	17	0.3
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB1	20	0.3
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	18	0.3
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD12	2	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD23	1	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD23	2	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	3	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	4	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	11	0.3
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	16	0.3
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	2	0.3
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	8	0.3
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	12	0.3
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	20	0.3
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB1	5	0.3
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	12	0.3
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	14	0.3
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	6	0.3
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	9	0.3
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	12	0.3
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	15	0.3
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	18	0.3
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	2	0.3
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	16	0.3
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	5	0.3
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	1	0.3
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	3	0.3
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	14	0.3
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3441)	1:174:A:LEU:HD23	1:71:A:MET:HE1	9	0.3
(1,3439)	1:102:A:ALA:HB1	1:105:A:ALA:HB2	1	0.3
(1,3439)	1:102:A:ALA:HB3	1:105:A:ALA:HB3	11	0.3
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	4	0.3
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	19	0.3
(1,3421)	1:176:A:MET:HE1	1:113:A:LEU:HD22	2	0.3
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	15	0.3
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	5	0.3
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	9	0.3
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	10	0.3
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB1	16	0.3
(1,3360)	1:148:A:ALA:HB1	1:145:A:ARG:H	15	0.3
(1,3343)	1:181:A:VAL:HG13	1:157:A:ALA:HB1	15	0.3
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	4	0.3
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	6	0.3
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	9	0.3
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG21	16	0.3
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	2	0.3
(1,3246)	1:109:A:LEU:H	1:108:A:THR:HG21	5	0.3
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	1	0.3
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	18	0.3
(1,3226)	1:76:A:LEU:HD22	1:82:A:THR:H	19	0.3
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	16	0.3
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	18	0.3
(1,3204)	1:159:A:TYR:HB2	1:178:A:LEU:HD11	2	0.3
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD11	15	0.3
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	17	0.3
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	18	0.3
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	12	0.3
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	19	0.3
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	10	0.3
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	11	0.3
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	14	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	3	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	4	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	5	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	6	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	7	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	11	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	17	0.3
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	20	0.3
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	20	0.3
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	1	0.3
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	3	0.3
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	10	0.3
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	12	0.3
(1,2816)	1:72:A:VAL:HG22	1:69:A:GLN:HA	13	0.3
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	17	0.3
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	11	0.3
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB3	20	0.3
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	13	0.3
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	5	0.3
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	7	0.3
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB3	18	0.3
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	16	0.3
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	5	0.3
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	13	0.3
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	15	0.3
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	16	0.3
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	18	0.3
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD21	3	0.3
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD22	6	0.3
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD22	11	0.3
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	6	0.3
(1,2646)	1:113:A:LEU:HD23	1:75:A:MET:HE3	18	0.3
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	18	0.3
(1,2603)	1:100:A:LEU:HD23	1:172:A:PRO:HB2	11	0.3
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	17	0.3
(1,2570)	1:131:A:LYS:HG2	1:127:A:LEU:HD22	15	0.3
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	3	0.3
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	7	0.3
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	15	0.3
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	14	0.3
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	13	0.3
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	16	0.3
(1,2453)	1:60:A:ARG:HB3	1:60:A:ARG:HG3	20	0.3
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD23	19	0.3
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	19	0.3
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	3	0.3
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	5	0.3
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	6	0.3
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	9	0.3
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	17	0.3
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	19	0.3
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	6	0.3
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG21	20	0.3
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	9	0.3
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	16	0.3
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	18	0.3
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	7	0.3
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	8	0.3
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	14	0.3
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	15	0.3
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	19	0.3
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	20	0.3
(1,2217)	1:187:A:ILE:HB	1:178:A:LEU:HD11	8	0.3
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB3	9	0.3
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	14	0.3
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	1	0.3
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	3	0.3
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	7	0.3
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	14	0.3
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	19	0.3
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	20	0.3
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	4	0.3
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD21	13	0.3
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	8	0.3
(1,2121)	1:136:A:LEU:HB2	1:140:A:ASP:HB2	10	0.3
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	11	0.3
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	3	0.3
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB2	4	0.3
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB2	16	0.3
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	19	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	5	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	6	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	8	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	9	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	13	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	14	0.3
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	16	0.3
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	6	0.3
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	14	0.3
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	14	0.3
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	13	0.3
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	17	0.3
(1,1680)	1:131:A:LYS:HA	1:131:A:LYS:HG2	8	0.3
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD12	15	0.3
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	6	0.3
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	19	0.3
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	7	0.3
(1,1478)	1:106:A:THR:HB	1:103:A:ALA:HB1	2	0.3
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	5	0.3
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	11	0.3
(1,1444)	1:86:A:VAL:HG12	1:158:A:HIS:HE1	15	0.3
(1,1417)	1:178:A:LEU:HD11	1:159:A:TYR:HE2	15	0.3
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	7	0.3
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	14	0.3
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD21	17	0.3
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	13	0.3
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	11	0.3
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	16	0.3
(1,1229)	1:115:A:ASN:HD22	1:115:A:ASN:HB2	18	0.3
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG13	6	0.3
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD12	9	0.3
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	4	0.3
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	12	0.3
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	14	0.3
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	20	0.3
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG22	19	0.3
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	1	0.3
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG21	2	0.3
(1,1175)	1:175:A:GLN:H	1:176:A:MET:HG2	4	0.3
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	13	0.3
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	17	0.3
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	19	0.3
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	6	0.3
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	5	0.3
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	9	0.3
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB3	10	0.3
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD23	14	0.3
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB3	11	0.3
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	6	0.3
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	9	0.3
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	15	0.3
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	2	0.3
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	13	0.3
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	6	0.3
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	7	0.3
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	9	0.3
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	12	0.3
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	16	0.3
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	2	0.3
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	8	0.3
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	5	0.3
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	8	0.3
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	12	0.3
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	15	0.3
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	20	0.3
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	11	0.3
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	20	0.3
(1,899)	1:181:A:VAL:H	1:180:A:LEU:HB3	15	0.3
(1,888)	1:191:A:LYS:HD2	1:192:A:GLY:H	7	0.3
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	19	0.3
(1,863)	1:166:A:SER:HB3	1:167:A:GLY:HA3	14	0.3
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	6	0.3
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	8	0.3
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	9	0.3
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	10	0.3
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG23	11	0.3
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	11	0.3
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	16	0.3
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	10	0.3
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	14	0.3
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	13	0.3
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD22	10	0.3
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	11	0.3
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	14	0.3
(1,823)	1:151:A:ILE:HD12	1:147:A:LYS:HB3	7	0.3
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	15	0.3
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD13	16	0.3
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	1	0.3
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	8	0.3
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG22	17	0.3
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	5	0.3
(1,788)	1:134:A:LEU:HD12	1:154:A:ASN:HB2	8	0.3
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD12	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	11	0.3
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	14	0.3
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	17	0.3
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	18	0.3
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	19	0.3
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	15	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	6	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	10	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	11	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	13	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	14	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	15	0.3
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	19	0.3
(1,675)	1:110:A:ARG:HB2	1:109:A:LEU:HB2	6	0.3
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	20	0.3
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	16	0.3
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	1	0.3
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	3	0.3
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	5	0.3
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	11	0.3
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	1	0.3
(1,630)	1:131:A:LYS:HE3	1:148:A:ALA:HA	19	0.3
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	2	0.3
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	13	0.3
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	2	0.3
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	3	0.3
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	5	0.3
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	11	0.3
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	14	0.3
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	2	0.3
(1,593)	1:138:A:PRO:HD2	1:138:A:PRO:HG2	20	0.3
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB3	6	0.3
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	16	0.3
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	1	0.3
(1,572)	1:124:A:ALA:HA	1:127:A:LEU:HD22	16	0.3
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	1	0.3
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	18	0.3
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	11	0.3
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	9	0.3
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	16	0.3
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	1	0.3
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	3	0.3
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	14	0.3
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	3	0.3
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	12	0.3
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	6	0.3
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	15	0.3
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	17	0.3
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	5	0.3
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	7	0.3
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	16	0.3
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	18	0.3
(1,471)	1:64:A:TRP:H	1:108:A:THR:HG22	20	0.3
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	11	0.3
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD13	19	0.3
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	2	0.3
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD21	6	0.3
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD23	13	0.3
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD23	14	0.3
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD23	19	0.3
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD22	10	0.3
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG12	15	0.3
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	19	0.3
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	10	0.3
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	5	0.3
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	7	0.3
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB2	10	0.3
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD13	5	0.3
(1,242)	1:74:A:LYS:HE3	1:71:A:MET:HA	15	0.3
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	7	0.3
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	9	0.3
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	17	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	1	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	3	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	8	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	9	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	11	0.3
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	18	0.3
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD23	7	0.3
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	4	0.3
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	8	0.3
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	16	0.3
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	2	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	3	0.3
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	10	0.3
(1,70)	1:73:A:SER:HB3	1:74:A:LYS:H	13	0.3
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	8	0.3
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	2	0.3
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	15	0.29
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	15	0.29
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	15	0.29
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	15	0.29
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	15	0.29
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	15	0.29
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	15	0.29
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	15	0.29
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	15	0.29
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	15	0.29
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	15	0.29
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	15	0.29
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	15	0.29
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	15	0.29
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	15	0.29
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	15	0.29
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	15	0.29
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	15	0.29
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	14	0.29
(1,5083)	1:9:A:GLU:H	1:8:A:ARG:HA	11	0.29
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	2	0.29
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	14	0.29
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD12	6	0.29
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD13	13	0.29
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	5	0.29
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG21	9	0.29
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	10	0.29
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	11	0.29
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	9	0.29
(1,4909)	1:69:A:GLN:H	1:73:A:SER:H	12	0.29
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	16	0.29
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	7	0.29
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	19	0.29
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	13	0.29
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	9	0.29
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	17	0.29
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD21	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	1	0.29
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	2	0.29
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	3	0.29
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB1	10	0.29
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	16	0.29
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	7	0.29
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	6	0.29
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	17	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	2	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	7	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	11	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	12	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	13	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD13	18	0.29
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD11	20	0.29
(1,4199)	1:50:A:ASP:H	1:49:A:GLU:HG3	18	0.29
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	2	0.29
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	10	0.29
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	16	0.29
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	8	0.29
(1,4151)	1:94:A:ASN:H	1:93:A:ASN:HB2	16	0.29
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG22	6	0.29
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	7	0.29
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	16	0.29
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD11	11	0.29
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD12	11	0.29
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	7	0.29
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG23	17	0.29
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	20	0.29
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG21	1	0.29
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG23	2	0.29
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG23	4	0.29
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG21	7	0.29
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG21	9	0.29
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG22	10	0.29
(1,3892)	1:81:A:VAL:HG13	1:81:A:VAL:HG21	18	0.29
(1,3778)	1:126:A:GLN:HG2	1:123:A:SER:H	10	0.29
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD11	19	0.29
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	2	0.29
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	17	0.29
(1,3640)	1:180:A:LEU:HD13	1:183:A:THR:HB	10	0.29
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG21	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	20	0.29
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	7	0.29
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	16	0.29
(1,3572)	1:151:A:ILE:HD13	1:131:A:LYS:HG2	6	0.29
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	9	0.29
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	8	0.29
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	17	0.29
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB2	13	0.29
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD13	4	0.29
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	18	0.29
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	4	0.29
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	9	0.29
(1,3487)	1:113:A:LEU:HD22	1:112:A:ALA:HB1	20	0.29
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	16	0.29
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	5	0.29
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB1	18	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	2	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	7	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	8	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB1	11	0.29
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB2	16	0.29
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE3	5	0.29
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	15	0.29
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	7	0.29
(1,3439)	1:102:A:ALA:HB3	1:105:A:ALA:HB3	4	0.29
(1,3436)	1:94:A:ASN:HB3	1:102:A:ALA:HB1	20	0.29
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	7	0.29
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	19	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	1	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	3	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	4	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	7	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	13	0.29
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	19	0.29
(1,3343)	1:181:A:VAL:HG11	1:157:A:ALA:HB3	11	0.29
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	16	0.29
(1,3317)	1:92:A:VAL:HG13	1:93:A:ASN:HA	9	0.29
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	5	0.29
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	9	0.29
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	10	0.29
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG22	8	0.29
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	9	0.29
(1,3241)	1:81:A:VAL:HG23	1:159:A:TYR:HD2	10	0.29
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	20	0.29
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	7	0.29
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	12	0.29
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	14	0.29
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	4	0.29
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	15	0.29
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	17	0.29
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	11	0.29
(1,3184)	1:118:A:LYS:HG3	1:118:A:LYS:HA	17	0.29
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD12	5	0.29
(1,3173)	1:88:A:LEU:HD13	1:89:A:VAL:H	4	0.29
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	1	0.29
(1,3161)	1:109:A:LEU:HD23	1:161:A:LEU:HB2	20	0.29
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD22	20	0.29
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	10	0.29
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	18	0.29
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	1	0.29
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	2	0.29
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD21	7	0.29
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	11	0.29
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	13	0.29
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	14	0.29
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	19	0.29
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	1	0.29
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	8	0.29
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	11	0.29
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	18	0.29
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	1	0.29
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	2	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	3	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	4	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	8	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	12	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	13	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	15	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	18	0.29
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	19	0.29
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG21	4	0.29
(1,2912)	1:103:A:ALA:HA	1:106:A:THR:HG23	8	0.29
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	7	0.29
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	9	0.29
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	11	0.29
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	14	0.29
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	18	0.29
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	19	0.29
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG13	20	0.29
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	19	0.29
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	20	0.29
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	7	0.29
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	9	0.29
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	12	0.29
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	8	0.29
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	9	0.29
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	7	0.29
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	9	0.29
(1,2700)	1:144:A:THR:HG23	1:147:A:LYS:HE2	8	0.29
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	11	0.29
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	8	0.29
(1,2646)	1:113:A:LEU:HD23	1:75:A:MET:HE3	17	0.29
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	19	0.29
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD12	17	0.29
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD21	13	0.29
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	6	0.29
(1,2602)	1:178:A:LEU:HD11	1:188:A:TRP:HZ3	10	0.29
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	8	0.29
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	11	0.29
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	3	0.29
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	6	0.29
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	9	0.29
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	3	0.29
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	9	0.29
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	4	0.29
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	14	0.29
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	8	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	1	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	3	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	11	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	12	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	15	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	17	0.29
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	9	0.29
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	18	0.29
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	12	0.29
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	16	0.29
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	4	0.29
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	10	0.29
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	17	0.29
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	18	0.29
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	19	0.29
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB3	5	0.29
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	9	0.29
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	3	0.29
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	4	0.29
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	7	0.29
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	12	0.29
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB2	7	0.29
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	15	0.29
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	20	0.29
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB1	12	0.29
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	8	0.29
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	16	0.29
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	7	0.29
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	15	0.29
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	7	0.29
(1,1680)	1:131:A:LYS:HA	1:131:A:LYS:HG2	10	0.29
(1,1678)	1:131:A:LYS:HA	1:131:A:LYS:HE3	6	0.29
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	4	0.29
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG21	5	0.29
(1,1556)	1:166:A:SER:HB2	1:167:A:GLY:H	4	0.29
(1,1556)	1:166:A:SER:HB2	1:167:A:GLY:H	7	0.29
(1,1556)	1:166:A:SER:HB2	1:167:A:GLY:H	18	0.29
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	9	0.29
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	20	0.29
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	6	0.29
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD13	9	0.29
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	9	0.29
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	3	0.29
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	6	0.29
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	10	0.29
(1,1432)	1:178:A:LEU:HD21	1:119:A:PHE:HZ	13	0.29
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	11	0.29
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	13	0.29
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	2	0.29
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	5	0.29
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	16	0.29
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	16	0.29
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	2	0.29
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	18	0.29
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	12	0.29
(1,1231)	1:115:A:ASN:HD21	1:112:A:ALA:HB2	18	0.29
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	12	0.29
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	1	0.29
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	2	0.29
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	19	0.29
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	3	0.29
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	19	0.29
(1,1179)	1:64:A:TRP:H	1:61:A:HIS:HD2	7	0.29
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	1	0.29
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	20	0.29
(1,1163)	1:161:A:LEU:H	1:89:A:VAL:HB	12	0.29
(1,1132)	1:98:A:GLY:H	1:169:A:VAL:HG11	19	0.29
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD23	20	0.29
(1,1100)	1:170:A:ASN:HD22	1:60:A:ARG:HE	6	0.29
(1,1096)	1:139:A:GLN:H	1:138:A:PRO:HD2	9	0.29
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	18	0.29
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	13	0.29
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	14	0.29
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	8	0.29
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	15	0.29
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	2	0.29
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	8	0.29
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	12	0.29
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	15	0.29
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	16	0.29
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	2	0.29
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	8	0.29
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	17	0.29
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	6	0.29
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	9	0.29
(1,959)	1:130:A:ALA:H	1:154:A:ASN:HB3	7	0.29
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	18	0.29
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	20	0.29
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG23	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:181:A:VAL:H	1:180:A:LEU:HB3	12	0.29
(1,899)	1:181:A:VAL:H	1:180:A:LEU:HB3	18	0.29
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	4	0.29
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	6	0.29
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	8	0.29
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	17	0.29
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	18	0.29
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	4	0.29
(1,863)	1:166:A:SER:HB3	1:167:A:GLY:HA3	17	0.29
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	16	0.29
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	4	0.29
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	18	0.29
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	4	0.29
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	6	0.29
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	4	0.29
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	5	0.29
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD22	7	0.29
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	15	0.29
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	15	0.29
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD11	9	0.29
(1,807)	1:186:A:ILE:HD12	1:189:A:SER:HB3	12	0.29
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	10	0.29
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	2	0.29
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	12	0.29
(1,788)	1:134:A:LEU:HD11	1:154:A:ASN:HB2	16	0.29
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	1	0.29
(1,770)	1:151:A:ILE:HD11	1:154:A:ASN:HD21	18	0.29
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	6	0.29
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	8	0.29
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	8	0.29
(1,701)	1:88:A:LEU:HD21	1:127:A:LEU:HB2	20	0.29
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	2	0.29
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	12	0.29
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	18	0.29
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	11	0.29
(1,647)	1:126:A:GLN:HG2	1:126:A:GLN:HA	15	0.29
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	8	0.29
(1,646)	1:126:A:GLN:HG3	1:126:A:GLN:HE22	16	0.29
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	16	0.29
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	3	0.29
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	13	0.29
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	16	0.29
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	20	0.29
(1,622)	1:159:A:TYR:HB2	1:178:A:LEU:HG	19	0.29
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	7	0.29
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	16	0.29
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	8	0.29
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	2	0.29
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	18	0.29
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	7	0.29
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	11	0.29
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	10	0.29
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	6	0.29
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB2	16	0.29
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	20	0.29
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	20	0.29
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG21	7	0.29
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	2	0.29
(1,395)	1:105:A:ALA:HA	1:92:A:VAL:HB	10	0.29
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG12	19	0.29
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	7	0.29
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	9	0.29
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	11	0.29
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	20	0.29
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	3	0.29
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	4	0.29
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	6	0.29
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	8	0.29
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	15	0.29
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	6	0.29
(1,242)	1:74:A:LYS:HE3	1:71:A:MET:HA	1	0.29
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	1	0.29
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	10	0.29
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	20	0.29
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	1	0.29
(1,228)	1:60:A:ARG:HD3	1:170:A:ASN:HA	20	0.29
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	1	0.29
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	2	0.29
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	6	0.29
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	4	0.29
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	5	0.29
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	10	0.29
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB1	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	17	0.29
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	19	0.29
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB1	20	0.29
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	12	0.29
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	17	0.29
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	1	0.29
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	16	0.29
(1,115)	1:142:A:LEU:HA	1:151:A:ILE:HD11	5	0.29
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	2	0.29
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	4	0.29
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	11	0.29
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	18	0.29
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD13	10	0.29
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	12	0.28
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	12	0.28
(1,5353)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	12	0.28
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	12	0.28
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	12	0.28
(1,5353)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	12	0.28
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	12	0.28
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	12	0.28
(1,5353)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	12	0.28
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG11	12	0.28
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG12	12	0.28
(1,5172)	1:88:A:LEU:HD21	1:160:A:VAL:HG13	12	0.28
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG11	12	0.28
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG12	12	0.28
(1,5172)	1:88:A:LEU:HD22	1:160:A:VAL:HG13	12	0.28
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG11	12	0.28
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG12	12	0.28
(1,5172)	1:88:A:LEU:HD23	1:160:A:VAL:HG13	12	0.28
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG23	11	0.28
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	7	0.28
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	18	0.28
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	13	0.28
(1,4904)	1:137:A:SER:H	1:131:A:LYS:HG2	19	0.28
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	10	0.28
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	20	0.28
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	19	0.28
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB1	3	0.28
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB1	14	0.28
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB1	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	1	0.28
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	18	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	1	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	7	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	10	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	12	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB1	16	0.28
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB1	20	0.28
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	12	0.28
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	15	0.28
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD21	3	0.28
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD21	15	0.28
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	3	0.28
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	1	0.28
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	8	0.28
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	16	0.28
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	17	0.28
(1,4611)	1:154:A:ASN:HD21	1:154:A:ASN:HA	18	0.28
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	5	0.28
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	17	0.28
(1,4429)	1:91:A:SER:H	1:127:A:LEU:HD23	15	0.28
(1,4429)	1:91:A:SER:H	1:127:A:LEU:HD21	16	0.28
(1,4426)	1:91:A:SER:H	1:91:A:SER:HB2	15	0.28
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	3	0.28
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	17	0.28
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD23	10	0.28
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	13	0.28
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG23	7	0.28
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	14	0.28
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB3	9	0.28
(1,4246)	1:101:A:ASN:H	1:100:A:LEU:HD12	8	0.28
(1,4170)	1:176:A:MET:H	1:176:A:MET:HG2	6	0.28
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	4	0.28
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	6	0.28
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	8	0.28
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	17	0.28
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	18	0.28
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG22	11	0.28
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	12	0.28
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	15	0.28
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	9	0.28
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	16	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD12	19	0.28
(1,3990)	1:90:A:ASP:H	1:162:A:TYR:HD1	15	0.28
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG23	14	0.28
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	7	0.28
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG22	9	0.28
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	12	0.28
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG21	11	0.28
(1,3809)	1:87:A:LEU:HD23	1:119:A:PHE:HD1	20	0.28
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	7	0.28
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	6	0.28
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	8	0.28
(1,3685)	1:177:A:GLN:HA	1:186:A:ILE:HD12	12	0.28
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	10	0.28
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD22	4	0.28
(1,3659)	1:174:A:LEU:HD13	1:174:A:LEU:HD21	15	0.28
(1,3642)	1:180:A:LEU:HD13	1:159:A:TYR:HE1	5	0.28
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	19	0.28
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD22	2	0.28
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD23	6	0.28
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	16	0.28
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	9	0.28
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	9	0.28
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	10	0.28
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	11	0.28
(1,3529)	1:103:A:ALA:HA	1:105:A:ALA:HB1	2	0.28
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	17	0.28
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD13	18	0.28
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	9	0.28
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	15	0.28
(1,3515)	1:113:A:LEU:HD13	1:75:A:MET:HE2	17	0.28
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	8	0.28
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	4	0.28
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	19	0.28
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB1	3	0.28
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB1	15	0.28
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	7	0.28
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	18	0.28
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	20	0.28
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	2	0.28
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	10	0.28
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	20	0.28
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG11	1	0.28
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG11	11	0.28
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	8	0.28
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	17	0.28
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	7	0.28
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB1	2	0.28
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	8	0.28
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	11	0.28
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	17	0.28
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	18	0.28
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB1	20	0.28
(1,3322)	1:160:A:VAL:HG21	1:162:A:TYR:HE2	5	0.28
(1,3322)	1:160:A:VAL:HG23	1:162:A:TYR:HE2	19	0.28
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB1	8	0.28
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB3	5	0.28
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB2	20	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	7	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	13	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	14	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	15	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	19	0.28
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	20	0.28
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	12	0.28
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	20	0.28
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	12	0.28
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	15	0.28
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	18	0.28
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	8	0.28
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	18	0.28
(1,3173)	1:88:A:LEU:HD11	1:89:A:VAL:H	2	0.28
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	2	0.28
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	8	0.28
(1,3172)	1:181:A:VAL:HG12	1:159:A:TYR:HD1	19	0.28
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD11	9	0.28
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	3	0.28
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	6	0.28
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	10	0.28
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	18	0.28
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD21	20	0.28
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	2	0.28
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	2	0.28
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	12	0.28
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	14	0.28
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	16	0.28
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	10	0.28
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	9	0.28
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	17	0.28
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG21	3	0.28
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG21	17	0.28
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	8	0.28
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG21	13	0.28
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG22	15	0.28
(1,2911)	1:60:A:ARG:HA	1:59:A:ILE:HG23	19	0.28
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	15	0.28
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	6	0.28
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	15	0.28
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	17	0.28
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	6	0.28
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	10	0.28
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	18	0.28
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	7	0.28
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	9	0.28
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	10	0.28
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	13	0.28
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	18	0.28
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	14	0.28
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	15	0.28
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	8	0.28
(1,2706)	1:174:A:LEU:HA	1:173:A:THR:HG22	19	0.28
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG22	1	0.28
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	3	0.28
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG22	6	0.28
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG22	11	0.28
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG21	2	0.28
(1,2657)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	20	0.28
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD21	12	0.28
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	6	0.28
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	7	0.28
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	12	0.28
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	3	0.28
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD12	18	0.28
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	16	0.28
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	5	0.28
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	2	0.28
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	14	0.28
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	15	0.28
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	18	0.28
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	5	0.28
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	7	0.28
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	14	0.28
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	18	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	1	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	7	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	8	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	10	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	11	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	13	0.28
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	15	0.28
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	3	0.28
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	5	0.28
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	11	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	2	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	4	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	5	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	6	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	7	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	8	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	13	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD13	14	0.28
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD11	19	0.28
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	5	0.28
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	6	0.28
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	13	0.28
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	16	0.28
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB3	6	0.28
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	5	0.28
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	8	0.28
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	7	0.28
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	18	0.28
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	5	0.28
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	13	0.28
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	15	0.28
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	9	0.28
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	12	0.28
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	3	0.28
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB2	5	0.28
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	8	0.28
(1,2023)	1:84:A:GLY:HA2	1:83:A:ALA:HB3	17	0.28
(1,2017)	1:167:A:GLY:HA2	1:172:A:PRO:HA	20	0.28
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	15	0.28
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	18	0.28
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB2	3	0.28
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB2	4	0.28
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	12	0.28
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	16	0.28
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB3	10	0.28
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	17	0.28
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	4	0.28
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	10	0.28
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	3	0.28
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	6	0.28
(1,1744)	1:141:A:SER:HB3	1:141:A:SER:HA	16	0.28
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	14	0.28
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	20	0.28
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	6	0.28
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	13	0.28
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG23	18	0.28
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG23	8	0.28
(1,1566)	1:123:A:SER:HB3	1:122:A:VAL:HG22	6	0.28
(1,1556)	1:166:A:SER:HB2	1:167:A:GLY:H	17	0.28
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	8	0.28
(1,1555)	1:166:A:SER:HB2	1:96:A:THR:HA	12	0.28
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	11	0.28
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	20	0.28
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	13	0.28
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	8	0.28
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG21	11	0.28
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	17	0.28
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	1	0.28
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	5	0.28
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	13	0.28
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	16	0.28
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	18	0.28
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	9	0.28
(1,1432)	1:178:A:LEU:HD21	1:119:A:PHE:HZ	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	3	0.28
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	9	0.28
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	12	0.28
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	14	0.28
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	15	0.28
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	11	0.28
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	15	0.28
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	6	0.28
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG3	11	0.28
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG2	17	0.28
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	15	0.28
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	13	0.28
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	1	0.28
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	7	0.28
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	8	0.28
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	15	0.28
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	16	0.28
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	7	0.28
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	15	0.28
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	18	0.28
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	7	0.28
(1,1165)	1:123:A:SER:H	1:125:A:GLN:HG3	9	0.28
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	9	0.28
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	19	0.28
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	7	0.28
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	18	0.28
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	6	0.28
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	16	0.28
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	1	0.28
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	2	0.28
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	18	0.28
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG22	16	0.28
(1,1065)	1:35:A:SER:H	1:35:A:SER:HB2	20	0.28
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	2	0.28
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	9	0.28
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	11	0.28
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	11	0.28
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	6	0.28
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	7	0.28
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	11	0.28
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	20	0.28
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	2	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	20	0.28
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	2	0.28
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE3	10	0.28
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	4	0.28
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	12	0.28
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	2	0.28
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	4	0.28
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	17	0.28
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	16	0.28
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	19	0.28
(1,885)	1:72:A:VAL:HG22	1:71:A:MET:HB2	9	0.28
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	12	0.28
(1,875)	1:74:A:LYS:HG3	1:73:A:SER:HB3	13	0.28
(1,863)	1:166:A:SER:HB3	1:167:A:GLY:HA3	4	0.28
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	9	0.28
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	11	0.28
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	20	0.28
(1,856)	1:69:A:GLN:HB2	1:69:A:GLN:HG2	13	0.28
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	1	0.28
(1,850)	1:100:A:LEU:HD21	1:166:A:SER:HA	20	0.28
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	2	0.28
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	15	0.28
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	3	0.28
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	4	0.28
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	5	0.28
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	9	0.28
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	4	0.28
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	13	0.28
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	17	0.28
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	4	0.28
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	5	0.28
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	20	0.28
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	8	0.28
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	10	0.28
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	6	0.28
(1,807)	1:186:A:ILE:HD11	1:189:A:SER:HB3	11	0.28
(1,784)	1:121:A:LEU:HD23	1:120:A:THR:H	19	0.28
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	7	0.28
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	12	0.28
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	9	0.28
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	9	0.28
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	16	0.28
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	4	0.28
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	5	0.28
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	9	0.28
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	4	0.28
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	11	0.28
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	12	0.28
(1,663)	1:129:A:MET:HG3	1:132:A:GLN:HE21	15	0.28
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	2	0.28
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	7	0.28
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	9	0.28
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	10	0.28
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	4	0.28
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	9	0.28
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	18	0.28
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	19	0.28
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	14	0.28
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	4	0.28
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG23	13	0.28
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG21	11	0.28
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	15	0.28
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	16	0.28
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	12	0.28
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	18	0.28
(1,542)	1:188:A:TRP:HA	1:189:A:SER:HB3	1	0.28
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	1	0.28
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	4	0.28
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	11	0.28
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	5	0.28
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD12	13	0.28
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD11	4	0.28
(1,450)	1:73:A:SER:HB2	1:69:A:GLN:HB3	20	0.28
(1,437)	1:178:A:LEU:HD11	1:188:A:TRP:HA	19	0.28
(1,408)	1:48:A:HIS:H	1:48:A:HIS:HB3	14	0.28
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	9	0.28
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	16	0.28
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	19	0.28
(1,374)	1:75:A:MET:HB2	1:72:A:VAL:HG13	12	0.28
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	2	0.28
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	19	0.28
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	18	0.28
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB3	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	12	0.28
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	8	0.28
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	3	0.28
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD23	1	0.28
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	1	0.28
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	16	0.28
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	18	0.28
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB1	15	0.28
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	8	0.28
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	14	0.28
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	18	0.28
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	3	0.28
(1,84)	1:131:A:LYS:HA	1:134:A:LEU:HB2	3	0.28
(1,78)	1:69:A:GLN:HA	1:70:A:PRO:HD2	16	0.28
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	9	0.28
(1,67)	1:73:A:SER:HB3	1:69:A:GLN:HB3	13	0.28
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	14	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	1	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	5	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	8	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	13	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	14	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	16	0.28
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	20	0.28
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	7	0.28
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	8	0.28
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	9	0.28
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	17	0.28
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	7	0.27
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG22	10	0.27
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD11	12	0.27
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	14	0.27
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG11	2	0.27
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	11	0.27
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	1	0.27
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	2	0.27
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	10	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	3	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	4	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	5	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	6	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	15	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	18	0.27
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB3	19	0.27
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	1	0.27
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	19	0.27
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	5	0.27
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	3	0.27
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	4	0.27
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	20	0.27
(1,4611)	1:154:A:ASN:HD21	1:154:A:ASN:HA	11	0.27
(1,4538)	1:111:A:ASN:HD21	1:107:A:GLU:HG2	8	0.27
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	4	0.27
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	13	0.27
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	12	0.27
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	9	0.27
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	19	0.27
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	15	0.27
(1,4327)	1:69:A:GLN:H	1:70:A:PRO:HD3	17	0.27
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	14	0.27
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	8	0.27
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	14	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	1	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	2	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	4	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	8	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	12	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	17	0.27
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	20	0.27
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	9	0.27
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	13	0.27
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG23	18	0.27
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	12	0.27
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	3	0.27
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB3	13	0.27
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG23	3	0.27
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	6	0.27
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	1	0.27
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	16	0.27
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	13	0.27
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	12	0.27
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	1	0.27
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	19	0.27
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	16	0.27
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	5	0.27
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	13	0.27
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	11	0.27
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	16	0.27
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	11	0.27
(1,3642)	1:180:A:LEU:HD12	1:159:A:TYR:HE1	4	0.27
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD22	4	0.27
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	18	0.27
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	9	0.27
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	14	0.27
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	20	0.27
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD13	20	0.27
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	15	0.27
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	7	0.27
(1,3573)	1:151:A:ILE:HD12	1:136:A:LEU:HD11	12	0.27
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	4	0.27
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	1	0.27
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB2	13	0.27
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	7	0.27
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	11	0.27
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	17	0.27
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD12	14	0.27
(1,3515)	1:113:A:LEU:HD13	1:75:A:MET:HE2	9	0.27
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	18	0.27
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB3	19	0.27
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	10	0.27
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	18	0.27
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	4	0.27
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	6	0.27
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	10	0.27
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	13	0.27
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	12	0.27
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	17	0.27
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE1	5	0.27
(1,3458)	1:192:A:GLY:HA2	1:71:A:MET:HE2	14	0.27
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	20	0.27
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	12	0.27
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE3	15	0.27
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	17	0.27
(1,3441)	1:174:A:LEU:HD23	1:71:A:MET:HE1	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	1	0.27
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	12	0.27
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG13	16	0.27
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	20	0.27
(1,3312)	1:92:A:VAL:HG13	1:105:A:ALA:HB1	18	0.27
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB2	13	0.27
(1,3308)	1:92:A:VAL:HG13	1:102:A:ALA:HB1	19	0.27
(1,3295)	1:71:A:MET:HG3	1:67:A:ALA:HB1	14	0.27
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	3	0.27
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG11	6	0.27
(1,3244)	1:81:A:VAL:HG13	1:119:A:PHE:HZ	5	0.27
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	6	0.27
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	15	0.27
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG13	4	0.27
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG13	19	0.27
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	13	0.27
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	3	0.27
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	16	0.27
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	11	0.27
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	15	0.27
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	20	0.27
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	1	0.27
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	7	0.27
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	12	0.27
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	14	0.27
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	15	0.27
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG23	20	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD21	1	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	3	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	4	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	5	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	8	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	9	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD23	15	0.27
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD21	16	0.27
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	3	0.27
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	8	0.27
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	9	0.27
(1,3022)	1:170:A:ASN:HD22	1:170:A:ASN:HB2	17	0.27
(1,3013)	1:116:A:ASN:HB3	1:76:A:LEU:HD12	13	0.27
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	2	0.27
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	11	0.27
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	6	0.27
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG23	4	0.27
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	1	0.27
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	6	0.27
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	15	0.27
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	11	0.27
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG13	14	0.27
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	12	0.27
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	19	0.27
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	5	0.27
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	2	0.27
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	17	0.27
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	4	0.27
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	14	0.27
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	10	0.27
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	15	0.27
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	17	0.27
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG22	6	0.27
(1,2671)	1:72:A:VAL:HG21	1:75:A:MET:HE1	19	0.27
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD21	8	0.27
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	3	0.27
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	7	0.27
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	14	0.27
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	5	0.27
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	9	0.27
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	13	0.27
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	16	0.27
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD23	2	0.27
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD23	13	0.27
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	5	0.27
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	14	0.27
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	17	0.27
(1,2504)	1:118:A:LYS:HD2	1:76:A:LEU:HD11	9	0.27
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	12	0.27
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	10	0.27
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	12	0.27
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	15	0.27
(1,2377)	1:194:A:VAL:HB	1:62:A:TYR:HD2	20	0.27
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	13	0.27
(1,2325)	1:196:A:GLN:HG3	1:60:A:ARG:HB3	20	0.27
(1,2309)	1:186:A:ILE:HB	1:186:A:ILE:HD12	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	4	0.27
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	12	0.27
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	17	0.27
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	4	0.27
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	1	0.27
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	10	0.27
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD23	13	0.27
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	15	0.27
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB3	7	0.27
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	2	0.27
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	6	0.27
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	12	0.27
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	6	0.27
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD23	7	0.27
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	20	0.27
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	14	0.27
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG23	20	0.27
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	1	0.27
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	4	0.27
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	15	0.27
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	7	0.27
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	10	0.27
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB1	20	0.27
(1,1998)	1:192:A:GLY:HA2	1:67:A:ALA:HB2	20	0.27
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	1	0.27
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	10	0.27
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	11	0.27
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	17	0.27
(1,1985)	1:184:A:GLY:HA3	1:179:A:MET:HG3	20	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	1	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	8	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	13	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	14	0.27
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	18	0.27
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	20	0.27
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	16	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	1	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	2	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	3	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	5	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	6	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	9	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	11	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	12	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	13	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	14	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	15	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	16	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	17	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	18	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	19	0.27
(1,1879)	1:136:A:LEU:HA	1:136:A:LEU:HB2	20	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	2	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	4	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG21	5	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	9	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	11	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG21	13	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	17	0.27
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	20	0.27
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	1	0.27
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	3	0.27
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	6	0.27
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	9	0.27
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	12	0.27
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	1	0.27
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	5	0.27
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	11	0.27
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	6	0.27
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	2	0.27
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	4	0.27
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	14	0.27
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	19	0.27
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	1	0.27
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	2	0.27
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	2	0.27
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	7	0.27
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	20	0.27
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	12	0.27
(1,1417)	1:178:A:LEU:HD13	1:159:A:TYR:HE2	19	0.27
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	17	0.27
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	18	0.27
(1,1373)	1:119:A:PHE:HE2	1:119:A:PHE:H	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:76:A:LEU:HD11	1:119:A:PHE:HE2	3	0.27
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	8	0.27
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	18	0.27
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	3	0.27
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	6	0.27
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	15	0.27
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	2	0.27
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	14	0.27
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	3	0.27
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	5	0.27
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	7	0.27
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	12	0.27
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	5	0.27
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	4	0.27
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	8	0.27
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	19	0.27
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	1	0.27
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	7	0.27
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG21	9	0.27
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	18	0.27
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	17	0.27
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	19	0.27
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	1	0.27
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	6	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	3	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	4	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	6	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	10	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	13	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	14	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	15	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	16	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	17	0.27
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	20	0.27
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD11	20	0.27
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	5	0.27
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	14	0.27
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	17	0.27
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	19	0.27
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	1	0.27
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	3	0.27
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	4	0.27
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	10	0.27
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	6	0.27
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	13	0.27
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	14	0.27
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	19	0.27
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	8	0.27
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD13	18	0.27
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	5	0.27
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	8	0.27
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	9	0.27
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	18	0.27
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	17	0.27
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	11	0.27
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG13	12	0.27
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	20	0.27
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	15	0.27
(1,863)	1:166:A:SER:HB3	1:167:A:GLY:HA3	7	0.27
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	15	0.27
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	13	0.27
(1,844)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	5	0.27
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	1	0.27
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	6	0.27
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	20	0.27
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	19	0.27
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	9	0.27
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	12	0.27
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	18	0.27
(1,788)	1:134:A:LEU:HD13	1:154:A:ASN:HB2	6	0.27
(1,784)	1:121:A:LEU:HD21	1:120:A:THR:H	16	0.27
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	11	0.27
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	17	0.27
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	2	0.27
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	3	0.27
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	6	0.27
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	18	0.27
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	14	0.27
(1,701)	1:88:A:LEU:HD22	1:127:A:LEU:HB2	6	0.27
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	16	0.27
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	18	0.27
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	8	0.27
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	1	0.27
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	10	0.27
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	1	0.27
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	6	0.27
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	20	0.27
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	10	0.27
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	6	0.27
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	8	0.27
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG23	17	0.27
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	9	0.27
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	11	0.27
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	15	0.27
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	17	0.27
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	5	0.27
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	16	0.27
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	12	0.27
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	15	0.27
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	14	0.27
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	2	0.27
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	14	0.27
(1,475)	1:81:A:VAL:HG23	1:75:A:MET:HG3	8	0.27
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD12	17	0.27
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	8	0.27
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	1	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	1	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	2	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	3	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	4	0.27
(1,326)	1:185:A:GLU:HG3	1:185:A:GLU:HB3	5	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	6	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	7	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	8	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	9	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	10	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	11	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	12	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	13	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	14	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	15	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	16	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	18	0.27
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,326)	1:68:A:MET:HG2	1:68:A:MET:HB2	20	0.27
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	3	0.27
(1,302)	1:111:A:ASN:HB2	1:110:A:ARG:HB2	6	0.27
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	2	0.27
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	11	0.27
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	13	0.27
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	13	0.27
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	6	0.27
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	12	0.27
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	13	0.27
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	17	0.27
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	5	0.27
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	7	0.27
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	15	0.27
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	16	0.27
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	19	0.27
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	16	0.27
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB2	7	0.27
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB3	13	0.27
(1,196)	1:77:A:GLY:HA3	1:78:A:ALA:HB1	16	0.27
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	14	0.27
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	20	0.27
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	4	0.27
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD23	20	0.27
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	20	0.27
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	8	0.27
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	12	0.27
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	3	0.27
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	15	0.27
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	3	0.27
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	7	0.27
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	15	0.27
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	4	0.27
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	18	0.27
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	9	0.27
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	13	0.27
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD12	1	0.27
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD11	15	0.27
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	1	0.27
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	9	0.27
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	13	0.27
(1,10)	1:74:A:LYS:HB2	1:188:A:TRP:HD1	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	6	0.26
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	8	0.26
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD11	11	0.26
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	7	0.26
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	15	0.26
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	17	0.26
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG21	18	0.26
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	13	0.26
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	1	0.26
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	13	0.26
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	4	0.26
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	11	0.26
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	6	0.26
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	2	0.26
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	4	0.26
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG13	7	0.26
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB2	11	0.26
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	20	0.26
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	2	0.26
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD21	6	0.26
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD23	16	0.26
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	6	0.26
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	9	0.26
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	15	0.26
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	2	0.26
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	5	0.26
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	6	0.26
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	14	0.26
(1,4611)	1:154:A:ASN:HD21	1:154:A:ASN:HA	7	0.26
(1,4611)	1:154:A:ASN:HD21	1:154:A:ASN:HA	13	0.26
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	11	0.26
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	6	0.26
(1,4518)	1:170:A:ASN:HD21	1:171:A:ALA:H	2	0.26
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD23	3	0.26
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	5	0.26
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	9	0.26
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	16	0.26
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	18	0.26
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	19	0.26
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	1	0.26
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	2	0.26
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	11	0.26
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	6	0.26
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	11	0.26
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	14	0.26
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	15	0.26
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	16	0.26
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	19	0.26
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG22	14	0.26
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	16	0.26
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD11	1	0.26
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	7	0.26
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	14	0.26
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	1	0.26
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	18	0.26
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	15	0.26
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB1	3	0.26
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	15	0.26
(1,3895)	1:186:A:ILE:HA	1:179:A:MET:HG2	18	0.26
(1,3892)	1:81:A:VAL:HG12	1:81:A:VAL:HG23	3	0.26
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	5	0.26
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	15	0.26
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	11	0.26
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	2	0.26
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	5	0.26
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	14	0.26
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	20	0.26
(1,3640)	1:180:A:LEU:HD13	1:183:A:THR:HB	1	0.26
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	17	0.26
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG23	6	0.26
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG21	20	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	3	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	7	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	11	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	15	0.26
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	18	0.26
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG13	17	0.26
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	8	0.26
(1,3582)	1:184:A:GLY:H	1:149:A:ILE:HD12	17	0.26
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	5	0.26
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	11	0.26
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	3	0.26
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	8	0.26
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	13	0.26
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	1	0.26
(1,3559)	1:187:A:ILE:HD12	1:159:A:TYR:HA	11	0.26
(1,3545)	1:105:A:ALA:HB2	1:104:A:GLU:HB3	3	0.26
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	11	0.26
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB1	2	0.26
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	3	0.26
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD12	6	0.26
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD13	11	0.26
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD12	15	0.26
(1,3518)	1:75:A:MET:HE3	1:87:A:LEU:HD13	19	0.26
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	6	0.26
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	4	0.26
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB1	5	0.26
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB1	11	0.26
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	12	0.26
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB1	17	0.26
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	2	0.26
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	8	0.26
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	13	0.26
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	4	0.26
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	17	0.26
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE1	20	0.26
(1,3456)	1:179:A:MET:HE3	1:145:A:ARG:HA	13	0.26
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	16	0.26
(1,3445)	1:149:A:ILE:HG12	1:179:A:MET:HE2	18	0.26
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB3	17	0.26
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	17	0.26
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB1	9	0.26
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB3	10	0.26
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	6	0.26
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB3	12	0.26
(1,3365)	1:188:A:TRP:HE1	1:78:A:ALA:HB2	15	0.26
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	1	0.26
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	4	0.26
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	5	0.26
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	10	0.26
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	13	0.26
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB1	3	0.26
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB2	8	0.26
(1,3308)	1:92:A:VAL:HG13	1:102:A:ALA:HB2	9	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB1	10	0.26
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB3	16	0.26
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	8	0.26
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG22	15	0.26
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	3	0.26
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	8	0.26
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	2	0.26
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	7	0.26
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	13	0.26
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG23	17	0.26
(1,3226)	1:76:A:LEU:HD22	1:82:A:THR:H	12	0.26
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	2	0.26
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD22	8	0.26
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD22	20	0.26
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	2	0.26
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	5	0.26
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	6	0.26
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	15	0.26
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	8	0.26
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	12	0.26
(1,3173)	1:88:A:LEU:HD11	1:89:A:VAL:H	14	0.26
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD12	2	0.26
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD13	18	0.26
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	17	0.26
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	18	0.26
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	2	0.26
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	9	0.26
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	13	0.26
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	1	0.26
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	20	0.26
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	12	0.26
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	12	0.26
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	4	0.26
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	1	0.26
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	7	0.26
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	13	0.26
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	14	0.26
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	3	0.26
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB2	17	0.26
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB2	19	0.26
(1,2816)	1:72:A:VAL:HG23	1:69:A:GLN:HA	18	0.26
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	20	0.26
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	6	0.26
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	15	0.26
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB2	11	0.26
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	5	0.26
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	1	0.26
(1,2722)	1:81:A:VAL:HG12	1:75:A:MET:HG2	7	0.26
(1,2722)	1:81:A:VAL:HG12	1:75:A:MET:HG2	13	0.26
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	5	0.26
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	17	0.26
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	4	0.26
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	19	0.26
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	8	0.26
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD21	14	0.26
(1,2602)	1:178:A:LEU:HD11	1:188:A:TRP:HZ3	1	0.26
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	14	0.26
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	15	0.26
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	20	0.26
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD23	5	0.26
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	19	0.26
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD23	20	0.26
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD11	20	0.26
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	18	0.26
(1,2504)	1:118:A:LYS:HD2	1:76:A:LEU:HD13	16	0.26
(1,2467)	1:61:A:HIS:H	1:61:A:HIS:HB3	4	0.26
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	8	0.26
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	1	0.26
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	6	0.26
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	11	0.26
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	6	0.26
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	8	0.26
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	12	0.26
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	14	0.26
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	18	0.26
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	4	0.26
(1,2349)	1:71:A:MET:HG3	1:70:A:PRO:HG3	9	0.26
(1,2331)	1:175:A:GLN:HG2	1:173:A:THR:HG23	16	0.26
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	3	0.26
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	3	0.26
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	6	0.26
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	8	0.26
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	1	0.26
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	6	0.26
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	9	0.26
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	15	0.26
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	3	0.26
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	5	0.26
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	8	0.26
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	17	0.26
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	5	0.26
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	7	0.26
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	14	0.26
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	18	0.26
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	9	0.26
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	17	0.26
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	13	0.26
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	6	0.26
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	7	0.26
(1,2046)	1:100:A:LEU:HB2	1:102:A:ALA:HB3	14	0.26
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD12	19	0.26
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	2	0.26
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	11	0.26
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB2	19	0.26
(1,1938)	1:53:A:ALA:HA	1:53:A:ALA:HB2	13	0.26
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	11	0.26
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	12	0.26
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	8	0.26
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD13	3	0.26
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	11	0.26
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	2	0.26
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	4	0.26
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	18	0.26
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	18	0.26
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD12	9	0.26
(1,1619)	1:91:A:SER:HB2	1:92:A:VAL:HG21	20	0.26
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	2	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	2	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	3	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	4	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	6	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	7	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	9	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	12	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	13	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	14	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	17	0.26
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	19	0.26
(1,1556)	1:166:A:SER:HB2	1:167:A:GLY:H	14	0.26
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	13	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	1	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD13	3	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	16	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	17	0.26
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD13	20	0.26
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	8	0.26
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	14	0.26
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	6	0.26
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	14	0.26
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	12	0.26
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	19	0.26
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	9	0.26
(1,1327)	1:148:A:ALA:HB1	1:162:A:TYR:HE2	15	0.26
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	17	0.26
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD22	16	0.26
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	10	0.26
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	3	0.26
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	17	0.26
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	7	0.26
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	11	0.26
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	12	0.26
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	15	0.26
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	18	0.26
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	14	0.26
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	18	0.26
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD12	15	0.26
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	17	0.26
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	2	0.26
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	16	0.26
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	9	0.26
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	12	0.26
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	14	0.26
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	3	0.26
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG21	14	0.26
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1136)	1:190:A:GLY:H	1:177:A:GLN:HB2	13	0.26
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	3	0.26
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	10	0.26
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	16	0.26
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	7	0.26
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	6	0.26
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	4	0.26
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	17	0.26
(1,1080)	1:32:A:THR:H	1:32:A:THR:HB	15	0.26
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	9	0.26
(1,1079)	1:97:A:ASN:H	1:96:A:THR:HG21	11	0.26
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	1	0.26
(1,1063)	1:99:A:SER:H	1:99:A:SER:HA	8	0.26
(1,1063)	1:99:A:SER:H	1:98:A:GLY:HA2	18	0.26
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	3	0.26
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	9	0.26
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	12	0.26
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	11	0.26
(1,1027)	1:118:A:LYS:H	1:76:A:LEU:HD22	5	0.26
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	8	0.26
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	6	0.26
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	13	0.26
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	14	0.26
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	17	0.26
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	20	0.26
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	9	0.26
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	3	0.26
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	5	0.26
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	10	0.26
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	17	0.26
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	14	0.26
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	10	0.26
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	10	0.26
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	4	0.26
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	19	0.26
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	18	0.26
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	2	0.26
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	3	0.26
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	3	0.26
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	5	0.26
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	7	0.26
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	6	0.26
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	2	0.26
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG23	7	0.26
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG23	12	0.26
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	20	0.26
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	7	0.26
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	18	0.26
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	10	0.26
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	11	0.26
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	14	0.26
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	17	0.26
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	9	0.26
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	19	0.26
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	2	0.26
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	9	0.26
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	12	0.26
(1,823)	1:151:A:ILE:HD13	1:147:A:LYS:HB3	1	0.26
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	4	0.26
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	18	0.26
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	3	0.26
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	16	0.26
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	18	0.26
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	20	0.26
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	1	0.26
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	18	0.26
(1,743)	1:114:A:ALA:HB1	1:111:A:ASN:HD21	15	0.26
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	20	0.26
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	10	0.26
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	16	0.26
(1,701)	1:88:A:LEU:HD23	1:127:A:LEU:HB2	4	0.26
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	8	0.26
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	17	0.26
(1,692)	1:191:A:LYS:HG2	1:175:A:GLN:HB2	20	0.26
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	17	0.26
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	12	0.26
(1,638)	1:154:A:ASN:HB3	1:130:A:ALA:HA	19	0.26
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	9	0.26
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	4	0.26
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	15	0.26
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	17	0.26
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	16	0.26
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	16	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	12	0.26
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	19	0.26
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	8	0.26
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	19	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	1	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	3	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	12	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	13	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	18	0.26
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	20	0.26
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	2	0.26
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	1	0.26
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	5	0.26
(1,475)	1:81:A:VAL:HG21	1:75:A:MET:HG3	3	0.26
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	4	0.26
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	13	0.26
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	14	0.26
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	20	0.26
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	4	0.26
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	13	0.26
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	14	0.26
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	1	0.26
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	7	0.26
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG22	11	0.26
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	12	0.26
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	13	0.26
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	18	0.26
(1,255)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	13	0.26
(1,235)	1:136:A:LEU:HB3	1:137:A:SER:HB3	5	0.26
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	11	0.26
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	6	0.26
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	13	0.26
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	4	0.26
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	8	0.26
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	12	0.26
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG13	4	0.26
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG11	14	0.26
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	11	0.26
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	14	0.26
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	15	0.26
(1,58)	1:169:A:VAL:HA	1:168:A:ASN:HA	6	0.26
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	13	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	1	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	3	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	5	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	8	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG13	16	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG13	18	0.26
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	20	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	2	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	3	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	5	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	8	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG13	11	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG13	16	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG13	18	0.26
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	20	0.26
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD3	1	0.26
(1,10)	1:74:A:LYS:HB2	1:188:A:TRP:HD1	9	0.26
(1,5336)	1:81:A:VAL:HG11	1:75:A:MET:HE1	15	0.25
(1,5336)	1:81:A:VAL:HG12	1:75:A:MET:HE1	15	0.25
(1,5336)	1:81:A:VAL:HG13	1:75:A:MET:HE1	15	0.25
(1,5155)	1:81:A:VAL:HG11	1:75:A:MET:HE1	15	0.25
(1,5155)	1:81:A:VAL:HG12	1:75:A:MET:HE1	15	0.25
(1,5155)	1:81:A:VAL:HG13	1:75:A:MET:HE1	15	0.25
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	13	0.25
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	10	0.25
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	18	0.25
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	16	0.25
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG23	6	0.25
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	16	0.25
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB3	14	0.25
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB3	20	0.25
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	16	0.25
(1,4870)	1:25:A:GLU:H	1:24:A:ALA:HA	2	0.25
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	10	0.25
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	7	0.25
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	1	0.25
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	8	0.25
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	12	0.25
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	5	0.25
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	13	0.25
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	13	0.25
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	12	0.25
(1,4683)	1:77:A:GLY:H	1:78:A:ALA:HB1	2	0.25
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	17	0.25
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	12	0.25
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD22	5	0.25
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	12	0.25
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	9	0.25
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	10	0.25
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	12	0.25
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	19	0.25
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	13	0.25
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	16	0.25
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	8	0.25
(1,4518)	1:170:A:ASN:HD21	1:171:A:ALA:H	8	0.25
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	14	0.25
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	4	0.25
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	8	0.25
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	6	0.25
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	8	0.25
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	12	0.25
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	15	0.25
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	17	0.25
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	20	0.25
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	2	0.25
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG23	10	0.25
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB3	4	0.25
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	18	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	3	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	5	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	7	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	9	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	10	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	13	0.25
(1,4249)	1:157:A:ALA:H	1:156:A:GLY:HA3	18	0.25
(1,4231)	1:46:A:ILE:H	1:46:A:ILE:HG13	15	0.25
(1,4170)	1:176:A:MET:H	1:176:A:MET:HG2	9	0.25
(1,4170)	1:176:A:MET:H	1:176:A:MET:HG2	17	0.25
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	1	0.25
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	7	0.25
(1,4137)	1:196:A:GLN:H	1:194:A:VAL:HG21	8	0.25
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD11	8	0.25
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	9	0.25
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	15	0.25
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	2	0.25
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	4	0.25
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	8	0.25
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD13	13	0.25
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	14	0.25
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	8	0.25
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	8	0.25
(1,3860)	1:176:A:MET:HE2	1:75:A:MET:HE3	18	0.25
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	12	0.25
(1,3778)	1:126:A:GLN:HG2	1:123:A:SER:H	5	0.25
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	3	0.25
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	7	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	1	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	3	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	6	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	9	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	10	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	17	0.25
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	18	0.25
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG13	1	0.25
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	18	0.25
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	4	0.25
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	19	0.25
(1,3640)	1:180:A:LEU:HD11	1:183:A:THR:HB	4	0.25
(1,3626)	1:105:A:ALA:HB3	1:165:A:ALA:HB1	5	0.25
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	2	0.25
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	18	0.25
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	8	0.25
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	14	0.25
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD23	19	0.25
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	19	0.25
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	20	0.25
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	2	0.25
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	4	0.25
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	5	0.25
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	14	0.25
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	18	0.25
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	19	0.25
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	1	0.25
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	4	0.25
(1,3522)	1:149:A:ILE:HG23	1:181:A:VAL:HA	9	0.25
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	1	0.25
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD21	18	0.25
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	6	0.25
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	17	0.25
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB3	20	0.25
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	13	0.25
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB1	15	0.25
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB1	6	0.25
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	10	0.25
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	12	0.25
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	16	0.25
(1,3478)	1:69:A:GLN:HE22	1:112:A:ALA:HB3	18	0.25
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	12	0.25
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	4	0.25
(1,3421)	1:176:A:MET:HE2	1:113:A:LEU:HD21	5	0.25
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	12	0.25
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	15	0.25
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	16	0.25
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	18	0.25
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	1	0.25
(1,3360)	1:148:A:ALA:HB3	1:145:A:ARG:H	18	0.25
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	4	0.25
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	13	0.25
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	11	0.25
(1,3317)	1:92:A:VAL:HG13	1:93:A:ASN:HA	15	0.25
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	17	0.25
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	18	0.25
(1,3317)	1:92:A:VAL:HG13	1:93:A:ASN:HA	19	0.25
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB1	7	0.25
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB1	12	0.25
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	4	0.25
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	2	0.25
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	8	0.25
(1,3226)	1:76:A:LEU:HD22	1:82:A:THR:H	4	0.25
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	1	0.25
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	9	0.25
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	20	0.25
(1,3210)	1:90:A:ASP:HA	1:142:A:LEU:HD12	8	0.25
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD12	10	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	15	0.25
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD12	17	0.25
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	1	0.25
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	3	0.25
(1,3173)	1:88:A:LEU:HD13	1:89:A:VAL:H	6	0.25
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	16	0.25
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD12	7	0.25
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD12	14	0.25
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	18	0.25
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD11	3	0.25
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	4	0.25
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	8	0.25
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	11	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	3	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	5	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	6	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	8	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	9	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	12	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	16	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	17	0.25
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	18	0.25
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	14	0.25
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	4	0.25
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	5	0.25
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG21	9	0.25
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG21	10	0.25
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG23	14	0.25
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD22	6	0.25
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	6	0.25
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	11	0.25
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB3	10	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	4	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	5	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	6	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	8	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	9	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	11	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	12	0.25
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	15	0.25
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	11	0.25
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	13	0.25
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	7	0.25
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB1	14	0.25
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	2	0.25
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	4	0.25
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	1	0.25
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	8	0.25
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	13	0.25
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	3	0.25
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	17	0.25
(1,2770)	1:85:A:SER:HB2	1:182:A:GLN:HE21	5	0.25
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	13	0.25
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	19	0.25
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	4	0.25
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	10	0.25
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	18	0.25
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	8	0.25
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	18	0.25
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	7	0.25
(1,2700)	1:144:A:THR:HG23	1:147:A:LYS:HE2	13	0.25
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	5	0.25
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	13	0.25
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	18	0.25
(1,2663)	1:136:A:LEU:H	1:136:A:LEU:HD22	3	0.25
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	8	0.25
(1,2657)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	13	0.25
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD23	15	0.25
(1,2646)	1:113:A:LEU:HD21	1:75:A:MET:HE3	12	0.25
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	1	0.25
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	11	0.25
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	13	0.25
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	6	0.25
(1,2609)	1:142:A:LEU:HD22	1:90:A:ASP:HB2	18	0.25
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	12	0.25
(1,2602)	1:178:A:LEU:HD12	1:188:A:TRP:HZ3	18	0.25
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	6	0.25
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	7	0.25
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	15	0.25
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD23	3	0.25
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	4	0.25
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	16	0.25
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	2	0.25
(1,2472)	1:74:A:LYS:HD3	1:74:A:LYS:H	9	0.25
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	10	0.25
(1,2467)	1:61:A:HIS:H	1:61:A:HIS:HB3	13	0.25
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	12	0.25
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	13	0.25
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	11	0.25
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	20	0.25
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	9	0.25
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	12	0.25
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	17	0.25
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	19	0.25
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	20	0.25
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	2	0.25
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	12	0.25
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	13	0.25
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	9	0.25
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD23	14	0.25
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB1	17	0.25
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	1	0.25
(1,2212)	1:93:A:ASN:HB2	1:95:A:ARG:HG3	12	0.25
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	16	0.25
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	17	0.25
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	1	0.25
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD13	7	0.25
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	9	0.25
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	11	0.25
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG23	4	0.25
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	9	0.25
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	14	0.25
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	13	0.25
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	14	0.25
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	17	0.25
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	20	0.25
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	3	0.25
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	5	0.25
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB1	10	0.25
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	6	0.25
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	8	0.25
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	15	0.25
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	19	0.25
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	5	0.25
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	7	0.25
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG21	18	0.25
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	1	0.25
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	9	0.25
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	2	0.25
(1,1618)	1:91:A:SER:HB2	1:102:A:ALA:HB1	12	0.25
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	6	0.25
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	10	0.25
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	11	0.25
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	15	0.25
(1,1568)	1:85:A:SER:HB2	1:158:A:HIS:H	8	0.25
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	2	0.25
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	15	0.25
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	5	0.25
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	10	0.25
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	10	0.25
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	20	0.25
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	11	0.25
(1,1444)	1:86:A:VAL:HG11	1:158:A:HIS:HE1	9	0.25
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	10	0.25
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	1	0.25
(1,1432)	1:178:A:LEU:HD21	1:119:A:PHE:HZ	5	0.25
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	1	0.25
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	6	0.25
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	3	0.25
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	10	0.25
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	18	0.25
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	6	0.25
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	19	0.25
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	12	0.25
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	2	0.25
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	4	0.25
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	5	0.25
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	6	0.25
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	13	0.25
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	3	0.25
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	4	0.25
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	7	0.25
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	1	0.25
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	10	0.25
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	13	0.25
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	6	0.25
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	12	0.25
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG21	13	0.25
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG21	15	0.25
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	2	0.25
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	11	0.25
(1,1123)	1:154:A:ASN:HD21	1:134:A:LEU:HD22	3	0.25
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	19	0.25
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	9	0.25
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	13	0.25
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	12	0.25
(1,1081)	1:52:A:THR:H	1:52:A:THR:HG21	12	0.25
(1,1071)	1:71:A:MET:H	1:71:A:MET:HB2	20	0.25
(1,1063)	1:99:A:SER:H	1:98:A:GLY:HA2	7	0.25
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	5	0.25
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	18	0.25
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	16	0.25
(1,1041)	1:65:A:ASN:H	1:68:A:MET:H	18	0.25
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	1	0.25
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	1	0.25
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD22	19	0.25
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	2	0.25
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	4	0.25
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	12	0.25
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	18	0.25
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE3	3	0.25
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE3	11	0.25
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD13	3	0.25
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	9	0.25
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	15	0.25
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	3	0.25
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	12	0.25
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	13	0.25
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	11	0.25
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	12	0.25
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	14	0.25
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	1	0.25
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	5	0.25
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	16	0.25
(1,924)	1:123:A:SER:H	1:126:A:GLN:HB2	15	0.25
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	5	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG22	13	0.25
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	14	0.25
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	1	0.25
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	2	0.25
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	9	0.25
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	12	0.25
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	16	0.25
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	8	0.25
(1,863)	1:166:A:SER:HB3	1:167:A:GLY:HA3	18	0.25
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	3	0.25
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	10	0.25
(1,850)	1:100:A:LEU:HD21	1:166:A:SER:HA	8	0.25
(1,844)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	19	0.25
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	16	0.25
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	1	0.25
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	20	0.25
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	2	0.25
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	8	0.25
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD22	12	0.25
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD21	18	0.25
(1,828)	1:139:A:GLN:HG3	1:139:A:GLN:HB2	4	0.25
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	1	0.25
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	16	0.25
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	1	0.25
(1,820)	1:177:A:GLN:HB3	1:186:A:ILE:HD12	12	0.25
(1,807)	1:186:A:ILE:HD13	1:189:A:SER:HB3	7	0.25
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	2	0.25
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	4	0.25
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	10	0.25
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	15	0.25
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	11	0.25
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	16	0.25
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	3	0.25
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	14	0.25
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	16	0.25
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	19	0.25
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	9	0.25
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	16	0.25
(1,737)	1:130:A:ALA:HB3	1:134:A:LEU:HG	19	0.25
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	8	0.25
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	5	0.25
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB2	6	0.25
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	5	0.25
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	3	0.25
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	11	0.25
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	9	0.25
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	13	0.25
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	9	0.25
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	12	0.25
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	15	0.25
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	19	0.25
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	20	0.25
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	16	0.25
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	5	0.25
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	6	0.25
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	9	0.25
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	16	0.25
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	17	0.25
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	18	0.25
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	2	0.25
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	8	0.25
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	1	0.25
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	1	0.25
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG21	11	0.25
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	4	0.25
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	5	0.25
(1,412)	1:118:A:LYS:HD2	1:118:A:LYS:H	3	0.25
(1,408)	1:58:A:HIS:H	1:58:A:HIS:HB3	20	0.25
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	4	0.25
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	15	0.25
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	7	0.25
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	13	0.25
(1,365)	1:176:A:MET:HG2	1:109:A:LEU:HD13	20	0.25
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	3	0.25
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	8	0.25
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	8	0.25
(1,326)	1:185:A:GLU:HG3	1:185:A:GLU:HB3	17	0.25
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	7	0.25
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	9	0.25
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	12	0.25
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	10	0.25
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG22	13	0.25
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	14	0.25
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	16	0.25
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB3	20	0.25
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	12	0.25
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	20	0.25
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	4	0.25
(1,229)	1:60:A:ARG:HD3	1:60:A:ARG:HG2	3	0.25
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	15	0.25
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	14	0.25
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	17	0.25
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	4	0.25
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	5	0.25
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	11	0.25
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	15	0.25
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	5	0.25
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD21	1	0.25
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	6	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	2	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG13	6	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	7	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	10	0.25
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG13	11	0.25
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG13	6	0.25
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	7	0.25
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	10	0.25
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	15	0.25
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	20	0.24
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	6	0.24
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD11	18	0.24
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD11	2	0.24
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	13	0.24
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	13	0.24
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	15	0.24
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	4	0.24
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG13	10	0.24
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	13	0.24
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	2	0.24
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	7	0.24
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	9	0.24
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	16	0.24
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	19	0.24
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	18	0.24
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	20	0.24
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	1	0.24
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	6	0.24
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	19	0.24
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	7	0.24
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	18	0.24
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD23	20	0.24
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	18	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	1	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	2	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	3	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	5	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	6	0.24
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	15	0.24
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD21	3	0.24
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	1	0.24
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	2	0.24
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	15	0.24
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	19	0.24
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	20	0.24
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	3	0.24
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	4	0.24
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	6	0.24
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	7	0.24
(1,4294)	1:61:A:HIS:H	1:59:A:ILE:HG22	1	0.24
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG22	12	0.24
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG23	20	0.24
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB3	7	0.24
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	12	0.24
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	16	0.24
(1,4231)	1:46:A:ILE:H	1:46:A:ILE:HG13	2	0.24
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD13	11	0.24
(1,4170)	1:176:A:MET:H	1:176:A:MET:HG2	4	0.24
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	12	0.24
(1,4140)	1:49:A:GLU:H	1:48:A:HIS:HB2	6	0.24
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	13	0.24
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	18	0.24
(1,3996)	1:93:A:ASN:H	1:165:A:ALA:HB2	16	0.24
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	16	0.24
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	20	0.24
(1,3827)	1:149:A:ILE:HG21	1:153:A:ARG:HE	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3812)	1:160:A:VAL:HG23	1:90:A:ASP:HA	20	0.24
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	2	0.24
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	4	0.24
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	5	0.24
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	11	0.24
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	12	0.24
(1,3780)	1:99:A:SER:HB2	1:99:A:SER:HA	19	0.24
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	17	0.24
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	4	0.24
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	11	0.24
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	8	0.24
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	12	0.24
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	12	0.24
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	10	0.24
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	13	0.24
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	17	0.24
(1,3640)	1:180:A:LEU:HD13	1:183:A:THR:HB	9	0.24
(1,3640)	1:180:A:LEU:HD11	1:183:A:THR:HB	13	0.24
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG21	19	0.24
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	1	0.24
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	3	0.24
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	17	0.24
(1,3576)	1:149:A:ILE:HD11	1:181:A:VAL:HA	1	0.24
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	12	0.24
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	15	0.24
(1,3576)	1:149:A:ILE:HD13	1:181:A:VAL:HA	20	0.24
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	9	0.24
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	19	0.24
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	16	0.24
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	11	0.24
(1,3531)	1:105:A:ALA:HB2	1:101:A:ASN:HA	5	0.24
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	2	0.24
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	5	0.24
(1,3522)	1:149:A:ILE:HG23	1:181:A:VAL:HA	14	0.24
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	16	0.24
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	9	0.24
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	10	0.24
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	16	0.24
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD22	17	0.24
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	4	0.24
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	13	0.24
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	14	0.24
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	6	0.24
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	7	0.24
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	11	0.24
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB1	14	0.24
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	11	0.24
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	20	0.24
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	15	0.24
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	19	0.24
(1,3423)	1:176:A:MET:HE3	1:72:A:VAL:HA	6	0.24
(1,3401)	1:111:A:ASN:HA	1:114:A:ALA:HB2	5	0.24
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	6	0.24
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE1	19	0.24
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	3	0.24
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	14	0.24
(1,3317)	1:92:A:VAL:HG13	1:93:A:ASN:HA	2	0.24
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	3	0.24
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	6	0.24
(1,3317)	1:92:A:VAL:HG12	1:93:A:ASN:HA	7	0.24
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	12	0.24
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	14	0.24
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	16	0.24
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB1	14	0.24
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG13	8	0.24
(1,3290)	1:152:A:ALA:HA	1:155:A:VAL:HG12	17	0.24
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	7	0.24
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	4	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	1	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	11	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	16	0.24
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG23	19	0.24
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	12	0.24
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	8	0.24
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	13	0.24
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	6	0.24
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	14	0.24
(1,3173)	1:88:A:LEU:HD11	1:89:A:VAL:H	7	0.24
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	9	0.24
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	18	0.24
(1,3172)	1:181:A:VAL:HG12	1:159:A:TYR:HD1	4	0.24
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	20	0.24
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3136)	1:113:A:LEU:HD13	1:87:A:LEU:HD23	19	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	2	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	4	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	10	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	11	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	13	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	14	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	15	0.24
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	19	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	1	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG21	2	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	8	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG23	11	0.24
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	13	0.24
(1,3058)	1:133:A:GLN:HG3	1:134:A:LEU:HD21	17	0.24
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	8	0.24
(1,2999)	1:110:A:ARG:HD2	1:127:A:LEU:HD12	6	0.24
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	3	0.24
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	16	0.24
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	17	0.24
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	18	0.24
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	19	0.24
(1,2949)	1:63:A:ASP:HA	1:64:A:TRP:HA	20	0.24
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	8	0.24
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE2	18	0.24
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	3	0.24
(1,2836)	1:155:A:VAL:HA	1:130:A:ALA:HB3	9	0.24
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	17	0.24
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	14	0.24
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	16	0.24
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	10	0.24
(1,2760)	1:166:A:SER:HB3	1:173:A:THR:HG21	14	0.24
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	1	0.24
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	9	0.24
(1,2722)	1:81:A:VAL:HG12	1:75:A:MET:HG2	6	0.24
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	5	0.24
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	6	0.24
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	9	0.24
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	4	0.24
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	6	0.24
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	14	0.24
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD22	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD21	4	0.24
(1,2656)	1:76:A:LEU:HD12	1:76:A:LEU:HD21	19	0.24
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	3	0.24
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	9	0.24
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	14	0.24
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	7	0.24
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	14	0.24
(1,2554)	1:113:A:LEU:HD21	1:119:A:PHE:HD2	2	0.24
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	14	0.24
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	9	0.24
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	12	0.24
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	18	0.24
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	1	0.24
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	13	0.24
(1,2467)	1:61:A:HIS:H	1:61:A:HIS:HB3	11	0.24
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	18	0.24
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	17	0.24
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG13	5	0.24
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG13	20	0.24
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	11	0.24
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	12	0.24
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	16	0.24
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	19	0.24
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	16	0.24
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD11	17	0.24
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	3	0.24
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD23	5	0.24
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	17	0.24
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	5	0.24
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	7	0.24
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	14	0.24
(1,2159)	1:140:A:ASP:HB2	1:136:A:LEU:HD22	4	0.24
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	18	0.24
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	6	0.24
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	10	0.24
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG23	12	0.24
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	3	0.24
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	13	0.24
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	16	0.24
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	17	0.24
(1,2062)	1:174:A:LEU:HB3	1:194:A:VAL:HG13	19	0.24
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	16	0.24
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	8	0.24
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	11	0.24
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	14	0.24
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	15	0.24
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	1	0.24
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	13	0.24
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD11	14	0.24
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB2	9	0.24
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	5	0.24
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	18	0.24
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	1	0.24
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	10	0.24
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG22	15	0.24
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	5	0.24
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	8	0.24
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	19	0.24
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	11	0.24
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	15	0.24
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	20	0.24
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	7	0.24
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	13	0.24
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	20	0.24
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	15	0.24
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	18	0.24
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	1	0.24
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	15	0.24
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	8	0.24
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	11	0.24
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG22	15	0.24
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	6	0.24
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	5	0.24
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	14	0.24
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	18	0.24
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	17	0.24
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	5	0.24
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	11	0.24
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	13	0.24
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	8	0.24
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	18	0.24
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	19	0.24
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1288)	1:14:A:GLU:H	1:13:A:VAL:HG21	7	0.24
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB3	20	0.24
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	1	0.24
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	13	0.24
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	8	0.24
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	9	0.24
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	9	0.24
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	11	0.24
(1,1187)	1:94:A:ASN:H	1:100:A:LEU:H	11	0.24
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	6	0.24
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	2	0.24
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	6	0.24
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	15	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	2	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	5	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	8	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	17	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	19	0.24
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	20	0.24
(1,1121)	1:192:A:GLY:H	1:176:A:MET:HG2	16	0.24
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	14	0.24
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	3	0.24
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	8	0.24
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	11	0.24
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	13	0.24
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	16	0.24
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	4	0.24
(1,1096)	1:139:A:GLN:H	1:138:A:PRO:HD2	5	0.24
(1,1096)	1:139:A:GLN:H	1:138:A:PRO:HD2	7	0.24
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	13	0.24
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	4	0.24
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	19	0.24
(1,1063)	1:99:A:SER:H	1:98:A:GLY:HA2	5	0.24
(1,1063)	1:99:A:SER:H	1:98:A:GLY:HA2	12	0.24
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	7	0.24
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	13	0.24
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG11	2	0.24
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG12	14	0.24
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	2	0.24
(1,1022)	1:137:A:SER:H	1:139:A:GLN:H	4	0.24
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	7	0.24
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1008)	1:127:A:LEU:H	1:127:A:LEU:HA	19	0.24
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD21	20	0.24
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	8	0.24
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	14	0.24
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	18	0.24
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	8	0.24
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	15	0.24
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	5	0.24
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	12	0.24
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	16	0.24
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	20	0.24
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	2	0.24
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	3	0.24
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	13	0.24
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	15	0.24
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	16	0.24
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	20	0.24
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	12	0.24
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	4	0.24
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	11	0.24
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	14	0.24
(1,915)	1:88:A:LEU:H	1:152:A:ALA:HB3	8	0.24
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG11	1	0.24
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	6	0.24
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	8	0.24
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	17	0.24
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	10	0.24
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	15	0.24
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	13	0.24
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG12	7	0.24
(1,860)	1:44:A:GLY:HA2	1:45:A:PRO:HD3	7	0.24
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	3	0.24
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG22	2	0.24
(1,850)	1:100:A:LEU:HD21	1:166:A:SER:HA	12	0.24
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	19	0.24
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	8	0.24
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	20	0.24
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	18	0.24
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	7	0.24
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	13	0.24
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	18	0.24
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	10	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	11	0.24
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	20	0.24
(1,788)	1:134:A:LEU:HD12	1:154:A:ASN:HB2	10	0.24
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	5	0.24
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	8	0.24
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	14	0.24
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	13	0.24
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	4	0.24
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	2	0.24
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	4	0.24
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	7	0.24
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	12	0.24
(1,737)	1:130:A:ALA:HB3	1:134:A:LEU:HG	13	0.24
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	19	0.24
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	13	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	1	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	4	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	5	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG12	6	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG12	13	0.24
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	17	0.24
(1,711)	1:81:A:VAL:HG23	1:78:A:ALA:H	19	0.24
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	1	0.24
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	8	0.24
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	19	0.24
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	14	0.24
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	18	0.24
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	5	0.24
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	6	0.24
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	14	0.24
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	3	0.24
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	11	0.24
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	15	0.24
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	5	0.24
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG22	1	0.24
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG23	15	0.24
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG21	3	0.24
(1,569)	1:108:A:THR:HG23	1:105:A:ALA:HA	12	0.24
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	1	0.24
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	6	0.24
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	7	0.24
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:59:A:ILE:HA	1:58:A:HIS:HB2	10	0.24
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	2	0.24
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	14	0.24
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	20	0.24
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	2	0.24
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	7	0.24
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	10	0.24
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	8	0.24
(1,379)	1:12:A:PRO:HB3	1:12:A:PRO:HD3	1	0.24
(1,379)	1:12:A:PRO:HB2	1:12:A:PRO:HD2	10	0.24
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	2	0.24
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	1	0.24
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	10	0.24
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	11	0.24
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	9	0.24
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG22	17	0.24
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG22	19	0.24
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	1	0.24
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	11	0.24
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	12	0.24
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD12	5	0.24
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	9	0.24
(1,134)	1:175:A:GLN:HA	1:191:A:LYS:HE3	18	0.24
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	2	0.24
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	10	0.24
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	18	0.24
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	5	0.24
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	11	0.24
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	14	0.24
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	20	0.24
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	4	0.24
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG13	12	0.24
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	15	0.24
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	17	0.24
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	4	0.24
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG13	12	0.24
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	17	0.24
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	5	0.24
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	16	0.24
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	19	0.24
(1,5094)	1:4:A:MET:H	1:4:A:MET:HG3	10	0.23
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG23	8	0.23
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	6	0.23
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	17	0.23
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB3	3	0.23
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB3	5	0.23
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	9	0.23
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	15	0.23
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	4	0.23
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	3	0.23
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	11	0.23
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	14	0.23
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	10	0.23
(1,4704)	1:102:A:ALA:H	1:92:A:VAL:HG12	8	0.23
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	4	0.23
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	18	0.23
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	18	0.23
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD21	4	0.23
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	8	0.23
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD23	12	0.23
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	8	0.23
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	4	0.23
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	14	0.23
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	19	0.23
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB2	12	0.23
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB1	15	0.23
(1,4531)	1:168:A:ASN:HD21	1:169:A:VAL:HG11	5	0.23
(1,4518)	1:170:A:ASN:HD21	1:171:A:ALA:H	1	0.23
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	11	0.23
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	16	0.23
(1,4429)	1:91:A:SER:H	1:127:A:LEU:HD22	18	0.23
(1,4426)	1:91:A:SER:H	1:91:A:SER:HB2	20	0.23
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	11	0.23
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	8	0.23
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	10	0.23
(1,4262)	1:13:A:VAL:H	1:12:A:PRO:HA	11	0.23
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	5	0.23
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	13	0.23
(1,4231)	1:46:A:ILE:H	1:46:A:ILE:HG13	8	0.23
(1,4209)	1:188:A:TRP:H	1:178:A:LEU:HD11	19	0.23
(1,4170)	1:176:A:MET:H	1:176:A:MET:HG2	12	0.23
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	3	0.23
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	20	0.23
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	14	0.23
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	7	0.23
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	14	0.23
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD11	10	0.23
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	17	0.23
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD11	3	0.23
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD12	10	0.23
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	7	0.23
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB1	8	0.23
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	17	0.23
(1,3908)	1:88:A:LEU:HG	1:160:A:VAL:HG21	11	0.23
(1,3894)	1:141:A:SER:HB3	1:142:A:LEU:HG	15	0.23
(1,3892)	1:81:A:VAL:HG11	1:81:A:VAL:HG23	19	0.23
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	5	0.23
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	10	0.23
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	15	0.23
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	8	0.23
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	15	0.23
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	2	0.23
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	12	0.23
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	4	0.23
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	5	0.23
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	9	0.23
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	15	0.23
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	2	0.23
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	4	0.23
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	18	0.23
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG11	20	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	1	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	5	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	6	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	9	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	15	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	16	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	18	0.23
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	20	0.23
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	5	0.23
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD23	20	0.23
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	7	0.23
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	14	0.23
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD22	2	0.23
(1,3602)	1:6:A:GLY:HA2	1:5:A:VAL:HG13	9	0.23
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	1	0.23
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	6	0.23
(1,3573)	1:151:A:ILE:HD13	1:136:A:LEU:HD12	20	0.23
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	14	0.23
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	9	0.23
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	3	0.23
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	10	0.23
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD13	7	0.23
(1,3517)	1:75:A:MET:HE2	1:87:A:LEU:HD23	12	0.23
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	2	0.23
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	6	0.23
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	11	0.23
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	18	0.23
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE1	20	0.23
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	15	0.23
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	16	0.23
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	2	0.23
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	9	0.23
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	9	0.23
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	19	0.23
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	2	0.23
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	4	0.23
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	6	0.23
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	4	0.23
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	18	0.23
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE1	5	0.23
(1,3451)	1:176:A:MET:HG2	1:71:A:MET:HE3	13	0.23
(1,3441)	1:174:A:LEU:HD22	1:71:A:MET:HE1	12	0.23
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	12	0.23
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	20	0.23
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB3	5	0.23
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB2	12	0.23
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB2	11	0.23
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG13	18	0.23
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB3	1	0.23
(1,3317)	1:92:A:VAL:HG11	1:93:A:ASN:HA	8	0.23
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	3	0.23
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB1	6	0.23
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG21	15	0.23
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG23	3	0.23
(1,3226)	1:76:A:LEU:HD21	1:82:A:THR:H	5	0.23
(1,3226)	1:76:A:LEU:HD23	1:82:A:THR:H	6	0.23
(1,3226)	1:76:A:LEU:HD22	1:82:A:THR:H	14	0.23
(1,3226)	1:76:A:LEU:HD21	1:82:A:THR:H	15	0.23
(1,3226)	1:76:A:LEU:HD21	1:82:A:THR:H	18	0.23
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	10	0.23
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	14	0.23
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG13	18	0.23
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	3	0.23
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD23	5	0.23
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	16	0.23
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	18	0.23
(1,3173)	1:88:A:LEU:HD11	1:89:A:VAL:H	5	0.23
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	10	0.23
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	19	0.23
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	11	0.23
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD11	4	0.23
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	8	0.23
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	2	0.23
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	3	0.23
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	7	0.23
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	11	0.23
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	16	0.23
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	7	0.23
(1,3083)	1:175:A:GLN:HB2	1:176:A:MET:H	20	0.23
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	7	0.23
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	16	0.23
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	19	0.23
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG23	6	0.23
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	16	0.23
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	17	0.23
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG21	18	0.23
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG21	19	0.23
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	3	0.23
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	19	0.23
(1,2925)	1:191:A:LYS:HA	1:175:A:GLN:HB2	1	0.23
(1,2891)	1:76:A:LEU:HA	1:76:A:LEU:HG	2	0.23
(1,2834)	1:187:A:ILE:HA	1:80:A:GLY:HA2	5	0.23
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	18	0.23
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	17	0.23
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG12	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB1	3	0.23
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	14	0.23
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	19	0.23
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	5	0.23
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	1	0.23
(1,2762)	1:164:A:SER:HB2	1:93:A:ASN:HD22	19	0.23
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	19	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	2	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	10	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	11	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	12	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	16	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	18	0.23
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	19	0.23
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	14	0.23
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	15	0.23
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	4	0.23
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	19	0.23
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG21	2	0.23
(1,2656)	1:76:A:LEU:HD12	1:76:A:LEU:HD21	13	0.23
(1,2653)	1:76:A:LEU:H	1:76:A:LEU:HD11	19	0.23
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	15	0.23
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	17	0.23
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	20	0.23
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	9	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD23	8	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD23	12	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	16	0.23
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD23	17	0.23
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	8	0.23
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	9	0.23
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD21	10	0.23
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	11	0.23
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD21	18	0.23
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	6	0.23
(1,2554)	1:113:A:LEU:HD22	1:119:A:PHE:HD2	18	0.23
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	1	0.23
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	12	0.23
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	3	0.23
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	11	0.23
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	11	0.23
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	15	0.23
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	18	0.23
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	2	0.23
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	7	0.23
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	12	0.23
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG13	16	0.23
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	17	0.23
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	13	0.23
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	1	0.23
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	14	0.23
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	15	0.23
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	18	0.23
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	4	0.23
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	1	0.23
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	6	0.23
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB2	10	0.23
(1,2215)	1:168:A:ASN:HB3	1:171:A:ALA:HB3	19	0.23
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG22	10	0.23
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	12	0.23
(1,2165)	1:109:A:LEU:HB3	1:110:A:ARG:HB2	20	0.23
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	1	0.23
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG23	11	0.23
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	16	0.23
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	2	0.23
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	12	0.23
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	8	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD11	2	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD12	7	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	10	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD12	11	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD11	15	0.23
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	16	0.23
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	11	0.23
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	3	0.23
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	4	0.23
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	9	0.23
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	13	0.23
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	14	0.23
(1,1873)	1:179:A:MET:HA	1:186:A:ILE:HG23	12	0.23
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	15	0.23
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	5	0.23
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	20	0.23
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	1	0.23
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	10	0.23
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	14	0.23
(1,1689)	1:110:A:ARG:HA	1:89:A:VAL:HG11	17	0.23
(1,1679)	1:131:A:LYS:HA	1:131:A:LYS:HE2	12	0.23
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	7	0.23
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD22	9	0.23
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD22	19	0.23
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG23	1	0.23
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	5	0.23
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG23	9	0.23
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	14	0.23
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	18	0.23
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	3	0.23
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	11	0.23
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	15	0.23
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	8	0.23
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	1	0.23
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	14	0.23
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	6	0.23
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	9	0.23
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	19	0.23
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	4	0.23
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	18	0.23
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	9	0.23
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	17	0.23
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	15	0.23
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	6	0.23
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	1	0.23
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	2	0.23
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	3	0.23
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	6	0.23
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	7	0.23
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	8	0.23
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	10	0.23
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	13	0.23
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	16	0.23
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	17	0.23
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	3	0.23
(1,1370)	1:119:A:PHE:HE1	1:159:A:TYR:HB2	18	0.23
(1,1367)	1:76:A:LEU:HD13	1:119:A:PHE:HE2	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	4	0.23
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	12	0.23
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	1	0.23
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	6	0.23
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD22	10	0.23
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	1	0.23
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	2	0.23
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	5	0.23
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	12	0.23
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	20	0.23
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG13	12	0.23
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	15	0.23
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	4	0.23
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	6	0.23
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	3	0.23
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	17	0.23
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	20	0.23
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG23	16	0.23
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	3	0.23
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	4	0.23
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	5	0.23
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	17	0.23
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	16	0.23
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	15	0.23
(1,1121)	1:192:A:GLY:H	1:176:A:MET:HG2	20	0.23
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	4	0.23
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	1	0.23
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	2	0.23
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	9	0.23
(1,1100)	1:170:A:ASN:HD22	1:60:A:ARG:HE	10	0.23
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	1	0.23
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	11	0.23
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	12	0.23
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	16	0.23
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	19	0.23
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	14	0.23
(1,1080)	1:32:A:THR:H	1:32:A:THR:HB	2	0.23
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	16	0.23
(1,1060)	1:163:A:SER:H	1:162:A:TYR:HE1	18	0.23
(1,1013)	1:61:A:HIS:H	1:62:A:TYR:HA	14	0.23
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	1	0.23
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	7	0.23
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	9	0.23
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	11	0.23
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	16	0.23
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	20	0.23
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE3	14	0.23
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	20	0.23
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	2	0.23
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	13	0.23
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	17	0.23
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	15	0.23
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	1	0.23
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	5	0.23
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	7	0.23
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	8	0.23
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	7	0.23
(1,878)	1:128:A:SER:HB2	1:127:A:LEU:HG	11	0.23
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	8	0.23
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	17	0.23
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	14	0.23
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	1	0.23
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	8	0.23
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	2	0.23
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	11	0.23
(1,850)	1:100:A:LEU:HD23	1:166:A:SER:HA	4	0.23
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	9	0.23
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	6	0.23
(1,830)	1:136:A:LEU:HG	1:136:A:LEU:HD23	16	0.23
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	6	0.23
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	8	0.23
(1,823)	1:151:A:ILE:HD11	1:147:A:LYS:HB3	2	0.23
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	6	0.23
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	6	0.23
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	6	0.23
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	11	0.23
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	1	0.23
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	5	0.23
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	10	0.23
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	14	0.23
(1,737)	1:130:A:ALA:HB3	1:134:A:LEU:HG	15	0.23
(1,699)	1:178:A:LEU:HD13	1:75:A:MET:HE1	2	0.23
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	3	0.23
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	2	0.23
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	14	0.23
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	17	0.23
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	19	0.23
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG23	11	0.23
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG22	18	0.23
(1,537)	1:59:A:ILE:HA	1:58:A:HIS:HB2	11	0.23
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	1	0.23
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	4	0.23
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	11	0.23
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	4	0.23
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	14	0.23
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	13	0.23
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	8	0.23
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	13	0.23
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	20	0.23
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG22	17	0.23
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	11	0.23
(1,462)	1:91:A:SER:H	1:142:A:LEU:HD11	19	0.23
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	18	0.23
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	10	0.23
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	3	0.23
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	7	0.23
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	13	0.23
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	4	0.23
(1,263)	1:90:A:ASP:HB3	1:142:A:LEU:HD11	12	0.23
(1,263)	1:90:A:ASP:HB3	1:142:A:LEU:HD12	15	0.23
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	13	0.23
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	20	0.23
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	19	0.23
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	10	0.23
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	3	0.23
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD23	6	0.23
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	7	0.23
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	13	0.23
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	19	0.23
(1,121)	1:191:A:LYS:HA	1:176:A:MET:HG2	20	0.23
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	5	0.23
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	13	0.23
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	16	0.23
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG11	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	1	0.23
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	3	0.23
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	4	0.23
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	5	0.23
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	7	0.23
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	17	0.23
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	17	0.23
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG23	2	0.23
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	18	0.23
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD21	9	0.23
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	1	0.23
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	3	0.23
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	10	0.23
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	15	0.23
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	19	0.23
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG11	14	0.23
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	13	0.23
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	18	0.23
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	4	0.23
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	1	0.22
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	11	0.22
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	1	0.22
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	2	0.22
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	5	0.22
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	10	0.22
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	11	0.22
(1,5034)	1:69:A:GLN:HE22	1:69:A:GLN:HG2	15	0.22
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	14	0.22
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	19	0.22
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	9	0.22
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	16	0.22
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	17	0.22
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	13	0.22
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	7	0.22
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	18	0.22
(1,4870)	1:25:A:GLU:H	1:24:A:ALA:HA	4	0.22
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	5	0.22
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	6	0.22
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	10	0.22
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	13	0.22
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	15	0.22
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	17	0.22
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	13	0.22
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	4	0.22
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	19	0.22
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	11	0.22
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	5	0.22
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	7	0.22
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	8	0.22
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	10	0.22
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	16	0.22
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	20	0.22
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	3	0.22
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	18	0.22
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG22	13	0.22
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	2	0.22
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	6	0.22
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	7	0.22
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	17	0.22
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	7	0.22
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	9	0.22
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	10	0.22
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	12	0.22
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	17	0.22
(1,4449)	1:115:A:ASN:H	1:115:A:ASN:HB2	14	0.22
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	3	0.22
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	5	0.22
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	10	0.22
(1,4426)	1:91:A:SER:H	1:91:A:SER:HB2	18	0.22
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	8	0.22
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	1	0.22
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	2	0.22
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	16	0.22
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	12	0.22
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	13	0.22
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD21	16	0.22
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB3	3	0.22
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	15	0.22
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	4	0.22
(1,4225)	1:51:A:GLN:H	1:50:A:ASP:HA	2	0.22
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	18	0.22
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	5	0.22
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	10	0.22
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	11	0.22
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	12	0.22
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	18	0.22
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	19	0.22
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	15	0.22
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	7	0.22
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	15	0.22
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	19	0.22
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	9	0.22
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	1	0.22
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	10	0.22
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	13	0.22
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	19	0.22
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	3	0.22
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	20	0.22
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB1	4	0.22
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	5	0.22
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	18	0.22
(1,3894)	1:141:A:SER:HB3	1:142:A:LEU:HG	20	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	2	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	4	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	6	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	8	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	9	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	14	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	16	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	17	0.22
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	18	0.22
(1,3880)	1:76:A:LEU:HG	1:81:A:VAL:HG22	2	0.22
(1,3812)	1:160:A:VAL:HG22	1:90:A:ASP:HA	18	0.22
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	5	0.22
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	6	0.22
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	20	0.22
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	2	0.22
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	14	0.22
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	13	0.22
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD13	19	0.22
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	6	0.22
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	15	0.22
(1,3670)	1:127:A:LEU:HG	1:128:A:SER:H	17	0.22
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG23	3	0.22
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	7	0.22
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	12	0.22
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	6	0.22
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	9	0.22
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG21	16	0.22
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	4	0.22
(1,3609)	1:122:A:VAL:HB	1:88:A:LEU:HD21	12	0.22
(1,3576)	1:149:A:ILE:HD12	1:181:A:VAL:HA	17	0.22
(1,3573)	1:151:A:ILE:HD13	1:136:A:LEU:HD12	15	0.22
(1,3573)	1:151:A:ILE:HD11	1:136:A:LEU:HD11	18	0.22
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD12	16	0.22
(1,3545)	1:105:A:ALA:HB2	1:104:A:GLU:HB3	5	0.22
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	12	0.22
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	13	0.22
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	15	0.22
(1,3539)	1:106:A:THR:HA	1:105:A:ALA:HB3	4	0.22
(1,3531)	1:105:A:ALA:HB2	1:101:A:ASN:HA	3	0.22
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	6	0.22
(1,3522)	1:149:A:ILE:HG23	1:181:A:VAL:HA	13	0.22
(1,3522)	1:149:A:ILE:HG22	1:181:A:VAL:HA	19	0.22
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	8	0.22
(1,3515)	1:113:A:LEU:HD13	1:75:A:MET:HE2	15	0.22
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	16	0.22
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	1	0.22
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	9	0.22
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB2	15	0.22
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB2	12	0.22
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	3	0.22
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	19	0.22
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	5	0.22
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	7	0.22
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	8	0.22
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	9	0.22
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	8	0.22
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	20	0.22
(1,3456)	1:179:A:MET:HE2	1:145:A:ARG:HA	1	0.22
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	6	0.22
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	9	0.22
(1,3424)	1:163:A:SER:HB2	1:176:A:MET:HE1	17	0.22
(1,3415)	1:187:A:ILE:HG23	1:159:A:TYR:HE2	7	0.22
(1,3415)	1:187:A:ILE:HG23	1:159:A:TYR:HE2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG11	7	0.22
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG11	13	0.22
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD21	4	0.22
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	19	0.22
(1,3356)	1:157:A:ALA:HB3	1:126:A:GLN:HE21	7	0.22
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	8	0.22
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB3	5	0.22
(1,3312)	1:92:A:VAL:HG13	1:105:A:ALA:HB1	17	0.22
(1,3308)	1:92:A:VAL:HG13	1:102:A:ALA:HB2	2	0.22
(1,3305)	1:90:A:ASP:HB3	1:160:A:VAL:HG23	15	0.22
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	11	0.22
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	4	0.22
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	6	0.22
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	7	0.22
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG22	11	0.22
(1,3244)	1:81:A:VAL:HG13	1:119:A:PHE:HZ	2	0.22
(1,3244)	1:81:A:VAL:HG13	1:119:A:PHE:HZ	17	0.22
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	9	0.22
(1,3226)	1:76:A:LEU:HD23	1:82:A:THR:H	17	0.22
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	15	0.22
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	3	0.22
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG12	7	0.22
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG11	17	0.22
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD12	16	0.22
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	20	0.22
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	17	0.22
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	9	0.22
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	19	0.22
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD11	10	0.22
(1,3160)	1:109:A:LEU:HD12	1:87:A:LEU:HD13	19	0.22
(1,3155)	1:125:A:GLN:HB2	1:126:A:GLN:H	18	0.22
(1,3153)	1:182:A:GLN:HB2	1:180:A:LEU:HD21	7	0.22
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	6	0.22
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	8	0.22
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	5	0.22
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	17	0.22
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	19	0.22
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	2	0.22
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	7	0.22
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	15	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	1	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	3	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	6	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	8	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	11	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	12	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	13	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	14	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	15	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	16	0.22
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	18	0.22
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	1	0.22
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	14	0.22
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	8	0.22
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	7	0.22
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	12	0.22
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	14	0.22
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	15	0.22
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	20	0.22
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	1	0.22
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	3	0.22
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	6	0.22
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	8	0.22
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	15	0.22
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	4	0.22
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG13	10	0.22
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	6	0.22
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	4	0.22
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	6	0.22
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	8	0.22
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	15	0.22
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	18	0.22
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	10	0.22
(1,2772)	1:123:A:SER:HB3	1:125:A:GLN:HB3	18	0.22
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	2	0.22
(1,2763)	1:175:A:GLN:H	1:164:A:SER:HB3	10	0.22
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	7	0.22
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	6	0.22
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	20	0.22
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	4	0.22
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	4	0.22
(1,2722)	1:81:A:VAL:HG11	1:75:A:MET:HG2	16	0.22
(1,2722)	1:81:A:VAL:HG13	1:75:A:MET:HG2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	2	0.22
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	8	0.22
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	7	0.22
(1,2657)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	12	0.22
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	15	0.22
(1,2657)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	18	0.22
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD21	17	0.22
(1,2638)	1:151:A:ILE:H	1:142:A:LEU:HD12	12	0.22
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD21	5	0.22
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD12	12	0.22
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	18	0.22
(1,2602)	1:178:A:LEU:HD13	1:188:A:TRP:HZ3	7	0.22
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	13	0.22
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	18	0.22
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	1	0.22
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	5	0.22
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	15	0.22
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	19	0.22
(1,2554)	1:113:A:LEU:HD22	1:119:A:PHE:HD2	17	0.22
(1,2554)	1:113:A:LEU:HD22	1:119:A:PHE:HD2	20	0.22
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	11	0.22
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	11	0.22
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	4	0.22
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	19	0.22
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	19	0.22
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	2	0.22
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	5	0.22
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	10	0.22
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD23	13	0.22
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	4	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	3	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	4	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	9	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG13	14	0.22
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	18	0.22
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB3	17	0.22
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	2	0.22
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	5	0.22
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	7	0.22
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	13	0.22
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	17	0.22
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	15	0.22
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	5	0.22
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	20	0.22
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	15	0.22
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG22	9	0.22
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	18	0.22
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	15	0.22
(1,2116)	1:110:A:ARG:HA	1:110:A:ARG:HD2	19	0.22
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG11	2	0.22
(1,2062)	1:174:A:LEU:HB3	1:194:A:VAL:HG11	14	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	2	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG22	7	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	8	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	10	0.22
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	20	0.22
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD12	4	0.22
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD11	6	0.22
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	8	0.22
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	9	0.22
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	17	0.22
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD12	18	0.22
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG11	8	0.22
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	8	0.22
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD13	8	0.22
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	5	0.22
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	19	0.22
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG23	3	0.22
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG21	17	0.22
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	16	0.22
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	11	0.22
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	17	0.22
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	19	0.22
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	3	0.22
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	5	0.22
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD12	15	0.22
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	6	0.22
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	12	0.22
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	17	0.22
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	13	0.22
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	2	0.22
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	8	0.22
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	17	0.22
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	3	0.22
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	15	0.22
(1,1449)	1:144:A:THR:HB	1:147:A:LYS:HE2	11	0.22
(1,1444)	1:86:A:VAL:HG13	1:158:A:HIS:HE1	19	0.22
(1,1439)	1:178:A:LEU:HD12	1:159:A:TYR:HD2	9	0.22
(1,1439)	1:178:A:LEU:HD11	1:159:A:TYR:HD2	13	0.22
(1,1435)	1:100:A:LEU:HD21	1:62:A:TYR:HD2	7	0.22
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	11	0.22
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	3	0.22
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	3	0.22
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	8	0.22
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	9	0.22
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	11	0.22
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	17	0.22
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	4	0.22
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	5	0.22
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	9	0.22
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	11	0.22
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	14	0.22
(1,1390)	1:162:A:TYR:HE2	1:162:A:TYR:HD2	19	0.22
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	7	0.22
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	9	0.22
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	3	0.22
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD21	6	0.22
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD22	14	0.22
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	3	0.22
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	9	0.22
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	19	0.22
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB3	7	0.22
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB3	10	0.22
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	18	0.22
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	4	0.22
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	14	0.22
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	20	0.22
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	16	0.22
(1,1208)	1:182:A:GLN:H	1:159:A:TYR:HD1	14	0.22
(1,1198)	1:58:A:HIS:H	1:57:A:PRO:HG2	10	0.22
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	13	0.22
(1,1162)	1:161:A:LEU:H	1:162:A:TYR:HE2	5	0.22
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	20	0.22
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB3	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	18	0.22
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	6	0.22
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	14	0.22
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	5	0.22
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	14	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	2	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	3	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	5	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	7	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	8	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	9	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	10	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	15	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	17	0.22
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	18	0.22
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	15	0.22
(1,1081)	1:52:A:THR:H	1:52:A:THR:HG22	20	0.22
(1,1063)	1:99:A:SER:H	1:98:A:GLY:HA2	19	0.22
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	1	0.22
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	4	0.22
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	20	0.22
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	4	0.22
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	12	0.22
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD11	4	0.22
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	6	0.22
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	19	0.22
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	8	0.22
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	14	0.22
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	18	0.22
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	13	0.22
(1,963)	1:194:A:VAL:H	1:62:A:TYR:HD2	7	0.22
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	15	0.22
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	16	0.22
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	18	0.22
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	2	0.22
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	13	0.22
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG13	17	0.22
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	16	0.22
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	4	0.22
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	19	0.22
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	6	0.22
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD2	5	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	15	0.22
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	1	0.22
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	3	0.22
(1,850)	1:100:A:LEU:HD21	1:166:A:SER:HA	17	0.22
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	9	0.22
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	11	0.22
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	8	0.22
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	2	0.22
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	13	0.22
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	13	0.22
(1,780)	1:135:A:GLY:HA3	1:134:A:LEU:HB3	17	0.22
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	7	0.22
(1,743)	1:114:A:ALA:HB1	1:111:A:ASN:HD21	9	0.22
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	3	0.22
(1,737)	1:130:A:ALA:HB3	1:134:A:LEU:HG	17	0.22
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB1	5	0.22
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG12	15	0.22
(1,721)	1:192:A:GLY:HA3	1:67:A:ALA:HB2	20	0.22
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG22	8	0.22
(1,718)	1:163:A:SER:HA	1:92:A:VAL:HG21	18	0.22
(1,713)	1:67:A:ALA:HB3	1:71:A:MET:HE2	4	0.22
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	18	0.22
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	14	0.22
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	5	0.22
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	7	0.22
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	20	0.22
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	8	0.22
(1,629)	1:135:A:GLY:H	1:136:A:LEU:HB3	17	0.22
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	13	0.22
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	18	0.22
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG23	14	0.22
(1,587)	1:83:A:ALA:HA	1:118:A:LYS:HD3	12	0.22
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	4	0.22
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG21	14	0.22
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	2	0.22
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	14	0.22
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	19	0.22
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	3	0.22
(1,532)	1:33:A:VAL:H	1:32:A:THR:HA	11	0.22
(1,532)	1:33:A:VAL:H	1:32:A:THR:HA	19	0.22
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	13	0.22
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	11	0.22
(1,495)	1:163:A:SER:HB3	1:177:A:GLN:H	15	0.22
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	13	0.22
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD12	10	0.22
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	7	0.22
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	19	0.22
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	2	0.22
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	6	0.22
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	19	0.22
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	9	0.22
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB2	19	0.22
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	7	0.22
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	10	0.22
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	11	0.22
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	8	0.22
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB2	5	0.22
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD21	10	0.22
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD12	14	0.22
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	6	0.22
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	17	0.22
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	6	0.22
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	10	0.22
(1,68)	1:73:A:SER:HB3	1:72:A:VAL:HB	13	0.22
(1,68)	1:73:A:SER:HB3	1:72:A:VAL:HB	19	0.22
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	7	0.22
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	10	0.22
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	11	0.22
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	2	0.22
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG11	14	0.22
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	2	0.22
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	9	0.22
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	12	0.22
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	15	0.22
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	7	0.21
(1,5098)	1:33:A:VAL:H	1:32:A:THR:HA	15	0.21
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	1	0.21
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	20	0.21
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	8	0.21
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	13	0.21
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	7	0.21
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	13	0.21
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	10	0.21
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	11	0.21
(1,4962)	1:173:A:THR:H	1:194:A:VAL:HG22	3	0.21
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	6	0.21
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	12	0.21
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	11	0.21
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	11	0.21
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	13	0.21
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	8	0.21
(1,4865)	1:25:A:GLU:H	1:25:A:GLU:HG3	2	0.21
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	12	0.21
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG22	16	0.21
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	18	0.21
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	18	0.21
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	7	0.21
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	5	0.21
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	11	0.21
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	16	0.21
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	17	0.21
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	2	0.21
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	7	0.21
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	15	0.21
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB1	2	0.21
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	11	0.21
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	13	0.21
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	14	0.21
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	7	0.21
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	10	0.21
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	15	0.21
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	16	0.21
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD23	9	0.21
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD23	13	0.21
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG21	17	0.21
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	2	0.21
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD22	10	0.21
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	19	0.21
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	8	0.21
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	12	0.21
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	16	0.21
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	19	0.21
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	20	0.21
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	8	0.21
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	18	0.21
(1,4580)	1:96:A:THR:H	1:94:A:ASN:HB3	20	0.21
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	15	0.21
(1,4472)	1:159:A:TYR:H	1:87:A:LEU:HD22	19	0.21
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	6	0.21
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB2	5	0.21
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	13	0.21
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	19	0.21
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD23	12	0.21
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	14	0.21
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	19	0.21
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	15	0.21
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG23	13	0.21
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	11	0.21
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB1	20	0.21
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	1	0.21
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB2	2	0.21
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	7	0.21
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	10	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	1	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	2	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	3	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	4	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	6	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	8	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	9	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	15	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	16	0.21
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	17	0.21
(1,4154)	1:81:A:VAL:H	1:78:A:ALA:H	11	0.21
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	5	0.21
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	6	0.21
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	9	0.21
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	6	0.21
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	7	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	2	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	3	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	5	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	6	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	9	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	15	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	16	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	17	0.21
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	18	0.21
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	2	0.21
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	5	0.21
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD13	6	0.21
(1,4007)	1:121:A:LEU:H	1:121:A:LEU:HD12	7	0.21
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	1	0.21
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	3	0.21
(1,3827)	1:149:A:ILE:HG22	1:153:A:ARG:HE	16	0.21
(1,3812)	1:160:A:VAL:HG23	1:90:A:ASP:HA	12	0.21
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD12	3	0.21
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD11	14	0.21
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	2	0.21
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG22	5	0.21
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	6	0.21
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	19	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	6	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	10	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	11	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	15	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	16	0.21
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	20	0.21
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD11	12	0.21
(1,3661)	1:33:A:VAL:H	1:32:A:THR:HB	3	0.21
(1,3656)	1:122:A:VAL:HA	1:122:A:VAL:HG12	15	0.21
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG22	8	0.21
(1,3655)	1:181:A:VAL:HA	1:181:A:VAL:HG21	14	0.21
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	12	0.21
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB3	19	0.21
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	7	0.21
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	8	0.21
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	13	0.21
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	14	0.21
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	10	0.21
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	12	0.21
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	13	0.21
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	6	0.21
(1,3545)	1:105:A:ALA:HB2	1:104:A:GLU:HB3	14	0.21
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	2	0.21
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	7	0.21
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG23	13	0.21
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG23	14	0.21
(1,3518)	1:75:A:MET:HE2	1:87:A:LEU:HD11	13	0.21
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	2	0.21
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	3	0.21
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB3	4	0.21
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB1	17	0.21
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB3	18	0.21
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB1	3	0.21
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	8	0.21
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB3	1	0.21
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB2	15	0.21
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	13	0.21
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	16	0.21
(1,3441)	1:174:A:LEU:HD21	1:71:A:MET:HE1	8	0.21
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	7	0.21
(1,3398)	1:130:A:ALA:HB3	1:130:A:ALA:HA	13	0.21
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB3	20	0.21
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG12	4	0.21
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG13	9	0.21
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG12	14	0.21
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG13	17	0.21
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG11	19	0.21
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	9	0.21
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD21	12	0.21
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD11	4	0.21
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD11	11	0.21
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD13	12	0.21
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD13	16	0.21
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD13	20	0.21
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB1	11	0.21
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB2	20	0.21
(1,3308)	1:92:A:VAL:HG12	1:102:A:ALA:HB1	6	0.21
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB1	17	0.21
(1,3288)	1:67:A:ALA:HB1	1:64:A:TRP:HA	10	0.21
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG23	16	0.21
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	10	0.21
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	14	0.21
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG22	17	0.21
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG22	19	0.21
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	16	0.21
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	6	0.21
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	10	0.21
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	20	0.21
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG13	12	0.21
(1,3214)	1:149:A:ILE:HA	1:181:A:VAL:HG13	15	0.21
(1,3213)	1:88:A:LEU:HD12	1:90:A:ASP:HB3	12	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD23	8	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	9	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD23	12	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	19	0.21
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD23	20	0.21
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	6	0.21
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	18	0.21
(1,3173)	1:88:A:LEU:HD13	1:89:A:VAL:H	13	0.21
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	6	0.21
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	10	0.21
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	13	0.21
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD11	6	0.21
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD11	16	0.21
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	4	0.21
(1,3109)	1:195:A:SER:HA	1:196:A:GLN:HB2	20	0.21
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	9	0.21
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	11	0.21
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	9	0.21
(1,3050)	1:196:A:GLN:HE21	1:196:A:GLN:HG2	10	0.21
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	5	0.21
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	9	0.21
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	10	0.21
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	19	0.21
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	19	0.21
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	5	0.21
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	6	0.21
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	17	0.21
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	7	0.21
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	18	0.21
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG22	6	0.21
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	3	0.21
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	6	0.21
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	8	0.21
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	9	0.21
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	20	0.21
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG21	9	0.21
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	13	0.21
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	6	0.21
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	12	0.21
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	13	0.21
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	11	0.21
(1,2800)	1:137:A:SER:HB2	1:139:A:GLN:HB2	14	0.21
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	6	0.21
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	14	0.21
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	11	0.21
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	16	0.21
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	7	0.21
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	1	0.21
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	9	0.21
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	7	0.21
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	13	0.21
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	17	0.21
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	11	0.21
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	3	0.21
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	1	0.21
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	16	0.21
(1,2700)	1:144:A:THR:HG22	1:147:A:LYS:HE2	18	0.21
(1,2700)	1:144:A:THR:HG21	1:147:A:LYS:HE2	20	0.21
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	18	0.21
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG22	7	0.21
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	9	0.21
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	10	0.21
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG22	12	0.21
(1,2657)	1:76:A:LEU:HD12	1:76:A:LEU:HB3	10	0.21
(1,2657)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	19	0.21
(1,2656)	1:76:A:LEU:HD12	1:76:A:LEU:HD23	20	0.21
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	3	0.21
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	11	0.21
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD21	16	0.21
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	2	0.21
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	3	0.21
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	13	0.21
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	15	0.21
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	19	0.21
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	20	0.21
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	12	0.21
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	9	0.21
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	10	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	2	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	4	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	6	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	7	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	10	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	12	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	13	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	14	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	15	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	16	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	18	0.21
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	20	0.21
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	10	0.21
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	8	0.21
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	4	0.21
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	6	0.21
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	14	0.21
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	17	0.21
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	1	0.21
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	7	0.21
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	15	0.21
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	17	0.21
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	1	0.21
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	16	0.21
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	6	0.21
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG13	10	0.21
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	11	0.21
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	9	0.21
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	7	0.21
(1,2348)	1:71:A:MET:HG3	1:70:A:PRO:HD3	19	0.21
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	14	0.21
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	2	0.21
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	3	0.21
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	20	0.21
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	4	0.21
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	6	0.21
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	11	0.21
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	20	0.21
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	8	0.21
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	4	0.21
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	13	0.21
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	3	0.21
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	6	0.21
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	1	0.21
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	1	0.21
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	11	0.21
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	5	0.21
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD13	12	0.21
(1,1941)	1:172:A:PRO:HD2	1:171:A:ALA:HB3	17	0.21
(1,1914)	1:101:A:ASN:HD21	1:101:A:ASN:HA	7	0.21
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD11	11	0.21
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD13	19	0.21
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	20	0.21
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD11	7	0.21
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	11	0.21
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	4	0.21
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	3	0.21
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	15	0.21
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	1	0.21
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	4	0.21
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	5	0.21
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	10	0.21
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	14	0.21
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	17	0.21
(1,1609)	1:141:A:SER:HB2	1:141:A:SER:HA	20	0.21
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	5	0.21
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	13	0.21
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	4	0.21
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	8	0.21
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	13	0.21
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	10	0.21
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	16	0.21
(1,1524)	1:163:A:SER:HB3	1:92:A:VAL:HA	13	0.21
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	6	0.21
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	12	0.21
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	19	0.21
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	5	0.21
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG22	14	0.21
(1,1439)	1:178:A:LEU:HD13	1:159:A:TYR:HD2	10	0.21
(1,1439)	1:178:A:LEU:HD11	1:159:A:TYR:HD2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	10	0.21
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	11	0.21
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	1	0.21
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	2	0.21
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	6	0.21
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	7	0.21
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	20	0.21
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	15	0.21
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	18	0.21
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	20	0.21
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	11	0.21
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	20	0.21
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	4	0.21
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	11	0.21
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	13	0.21
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	15	0.21
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD22	4	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	4	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	5	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG2	6	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	10	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG2	14	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	15	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	16	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	17	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	18	0.21
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	20	0.21
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	19	0.21
(1,1259)	1:69:A:GLN:HE21	1:115:A:ASN:HD21	16	0.21
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	3	0.21
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	11	0.21
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	15	0.21
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	16	0.21
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	1	0.21
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	8	0.21
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	10	0.21
(1,1178)	1:86:A:VAL:H	1:120:A:THR:HG21	2	0.21
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	8	0.21
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	6	0.21
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	9	0.21
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	14	0.21
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	13	0.21
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	20	0.21
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	4	0.21
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	10	0.21
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG23	16	0.21
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	14	0.21
(1,1117)	1:96:A:THR:H	1:166:A:SER:HB2	7	0.21
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	4	0.21
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	18	0.21
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	15	0.21
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	6	0.21
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB2	20	0.21
(1,1080)	1:38:A:THR:H	1:38:A:THR:HB	20	0.21
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	2	0.21
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	3	0.21
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	4	0.21
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	10	0.21
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	20	0.21
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	8	0.21
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	1	0.21
(1,986)	1:189:A:SER:H	1:189:A:SER:HB3	1	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	2	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	4	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	7	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE3	15	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	18	0.21
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	20	0.21
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	16	0.21
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	13	0.21
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	7	0.21
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	11	0.21
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	6	0.21
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	9	0.21
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	12	0.21
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	19	0.21
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	11	0.21
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	19	0.21
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	1	0.21
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	8	0.21
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	6	0.21
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	9	0.21
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:17:A:LYS:H	1:16:A:VAL:HG11	13	0.21
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	3	0.21
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG13	13	0.21
(1,879)	1:58:A:HIS:HB3	1:57:A:PRO:HA	13	0.21
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	4	0.21
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	18	0.21
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	20	0.21
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	3	0.21
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	8	0.21
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	11	0.21
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	17	0.21
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	9	0.21
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	11	0.21
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	8	0.21
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	9	0.21
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	13	0.21
(1,850)	1:100:A:LEU:HD22	1:166:A:SER:HA	14	0.21
(1,844)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	3	0.21
(1,844)	1:118:A:LYS:HE2	1:118:A:LYS:HG2	11	0.21
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	19	0.21
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	3	0.21
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	7	0.21
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	14	0.21
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	17	0.21
(1,768)	1:151:A:ILE:HD13	1:135:A:GLY:H	15	0.21
(1,768)	1:151:A:ILE:HD13	1:135:A:GLY:H	16	0.21
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	17	0.21
(1,737)	1:130:A:ALA:HB2	1:134:A:LEU:HG	6	0.21
(1,737)	1:130:A:ALA:HB1	1:134:A:LEU:HG	8	0.21
(1,737)	1:130:A:ALA:HB3	1:134:A:LEU:HG	11	0.21
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	1	0.21
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB2	6	0.21
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG12	7	0.21
(1,699)	1:178:A:LEU:HD11	1:75:A:MET:HG2	4	0.21
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	4	0.21
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	4	0.21
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	13	0.21
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	12	0.21
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	6	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB2	2	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB2	3	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	18	0.21
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	19	0.21
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	7	0.21
(1,535)	1:131:A:LYS:HA	1:132:A:GLN:HA	13	0.21
(1,532)	1:33:A:VAL:H	1:32:A:THR:HA	6	0.21
(1,525)	1:174:A:LEU:HB2	1:173:A:THR:HA	19	0.21
(1,520)	1:169:A:VAL:HA	1:97:A:ASN:HD21	13	0.21
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	1	0.21
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	2	0.21
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	12	0.21
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	18	0.21
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	19	0.21
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG21	14	0.21
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	7	0.21
(1,465)	1:143:A:GLY:H	1:142:A:LEU:HD11	1	0.21
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	3	0.21
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	4	0.21
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	7	0.21
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	11	0.21
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	14	0.21
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	18	0.21
(1,386)	1:72:A:VAL:HB	1:113:A:LEU:HD23	19	0.21
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	3	0.21
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	5	0.21
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	15	0.21
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	16	0.21
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	6	0.21
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	17	0.21
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	5	0.21
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	8	0.21
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	3	0.21
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	4	0.21
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	12	0.21
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	20	0.21
(1,256)	1:191:A:LYS:HA	1:191:A:LYS:HE2	20	0.21
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB3	6	0.21
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	18	0.21
(1,229)	1:60:A:ARG:HD3	1:60:A:ARG:HG2	7	0.21
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	2	0.21
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	20	0.21
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	13	0.21
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	4	0.21
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	8	0.21
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	9	0.21
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	12	0.21
(1,113)	1:159:A:TYR:HA	1:87:A:LEU:HD22	8	0.21
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	6	0.21
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	17	0.21
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	10	0.21
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	18	0.21
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG12	3	0.21
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	8	0.21
(1,64)	1:91:A:SER:HB2	1:92:A:VAL:HB	20	0.21
(1,43)	1:70:A:PRO:HA	1:70:A:PRO:HD3	16	0.21
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	2	0.21
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	5	0.21
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	10	0.21
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	8	0.21
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	11	0.21
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	17	0.21
(1,5101)	1:16:A:VAL:H	1:16:A:VAL:HB	16	0.2
(1,5088)	1:6:A:GLY:H	1:6:A:GLY:HA3	1	0.2
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	3	0.2
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	16	0.2
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	8	0.2
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	16	0.2
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	7	0.2
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	8	0.2
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB1	18	0.2
(1,4888)	1:104:A:GLU:H	1:92:A:VAL:HG12	11	0.2
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	13	0.2
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB1	11	0.2
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	7	0.2
(1,4822)	1:36:A:VAL:H	1:35:A:SER:HA	8	0.2
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	3	0.2
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	9	0.2
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	17	0.2
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	19	0.2
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	20	0.2
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	5	0.2
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	12	0.2
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	13	0.2
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	6	0.2
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	7	0.2
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	9	0.2
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	14	0.2
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	20	0.2
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	8	0.2
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	3	0.2
(1,4682)	1:77:A:GLY:H	1:76:A:LEU:HB3	9	0.2
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	2	0.2
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	4	0.2
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	11	0.2
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	13	0.2
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	10	0.2
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD23	19	0.2
(1,4617)	1:154:A:ASN:HD22	1:134:A:LEU:HD21	14	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	2	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	3	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	5	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	10	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	13	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	14	0.2
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	15	0.2
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	12	0.2
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	18	0.2
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD23	7	0.2
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	20	0.2
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	11	0.2
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	8	0.2
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	10	0.2
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	12	0.2
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	15	0.2
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	1	0.2
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	16	0.2
(1,4261)	1:171:A:ALA:H	1:171:A:ALA:HB2	6	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB2	3	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	5	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB2	6	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	8	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	11	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	13	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	14	0.2
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	20	0.2
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	5	0.2
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	9	0.2
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	12	0.2
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	19	0.2
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	20	0.2
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	13	0.2
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	14	0.2
(1,4172)	1:100:A:LEU:H	1:101:A:ASN:H	20	0.2
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	11	0.2
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	5	0.2
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	2	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	3	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	8	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	16	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	17	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	18	0.2
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	20	0.2
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	6	0.2
(1,4035)	1:145:A:ARG:H	1:149:A:ILE:HD13	16	0.2
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	2	0.2
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	10	0.2
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	11	0.2
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD11	19	0.2
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	7	0.2
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG23	14	0.2
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	11	0.2
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	19	0.2
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD22	11	0.2
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	4	0.2
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	16	0.2
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	17	0.2
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	7	0.2
(1,3884)	1:151:A:ILE:HG12	1:152:A:ALA:H	11	0.2
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	3	0.2
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	8	0.2
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	11	0.2
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	20	0.2
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	16	0.2
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	11	0.2
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	14	0.2
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	15	0.2
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	17	0.2
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	15	0.2
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG21	18	0.2
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	3	0.2
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	14	0.2
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	3	0.2
(1,3687)	1:185:A:GLU:HA	1:186:A:ILE:HD12	7	0.2
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	15	0.2
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	16	0.2
(1,3626)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	20	0.2
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG23	1	0.2
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG23	3	0.2
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	9	0.2
(1,3594)	1:145:A:ARG:HG2	1:162:A:TYR:HE2	4	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	1	0.2
(1,3588)	1:59:A:ILE:HD12	1:59:A:ILE:HG13	2	0.2
(1,3588)	1:59:A:ILE:HD11	1:59:A:ILE:HG13	3	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	4	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	6	0.2
(1,3588)	1:59:A:ILE:HD11	1:59:A:ILE:HG13	7	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	8	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	9	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	10	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	11	0.2
(1,3588)	1:59:A:ILE:HD11	1:59:A:ILE:HG13	12	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	13	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	14	0.2
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	15	0.2
(1,3588)	1:59:A:ILE:HD11	1:59:A:ILE:HG13	17	0.2
(1,3588)	1:59:A:ILE:HD12	1:59:A:ILE:HG13	19	0.2
(1,3588)	1:59:A:ILE:HD11	1:59:A:ILE:HG13	20	0.2
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD11	2	0.2
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	7	0.2
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	1	0.2
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	3	0.2
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	5	0.2
(1,3563)	1:187:A:ILE:HD12	1:178:A:LEU:H	10	0.2
(1,3545)	1:105:A:ALA:HB1	1:104:A:GLU:HB3	19	0.2
(1,3545)	1:105:A:ALA:HB2	1:104:A:GLU:HB3	20	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	1	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	5	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	6	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	8	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG23	9	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	10	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG23	15	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	17	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	18	0.2
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	19	0.2
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	7	0.2
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE1	5	0.2
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	5	0.2
(1,3511)	1:75:A:MET:HE2	1:188:A:TRP:HZ3	19	0.2
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	14	0.2
(1,3487)	1:113:A:LEU:HD22	1:112:A:ALA:HB2	17	0.2
(1,3486)	1:72:A:VAL:HG21	1:112:A:ALA:HB3	9	0.2
(1,3486)	1:72:A:VAL:HG21	1:112:A:ALA:HB1	11	0.2
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB3	7	0.2
(1,3482)	1:103:A:ALA:HA	1:103:A:ALA:HB1	17	0.2
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB3	3	0.2
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	1	0.2
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	3	0.2
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	6	0.2
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	8	0.2
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	14	0.2
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	1	0.2
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	11	0.2
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	2	0.2
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG23	7	0.2
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	12	0.2
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	18	0.2
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	20	0.2
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB1	20	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	5	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	8	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	11	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	13	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	14	0.2
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	19	0.2
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	9	0.2
(1,3398)	1:130:A:ALA:HB3	1:130:A:ALA:HA	11	0.2
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB2	10	0.2
(1,3386)	1:148:A:ALA:HB2	1:160:A:VAL:HG13	10	0.2
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	19	0.2
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	5	0.2
(1,3378)	1:174:A:LEU:HD22	1:68:A:MET:HE3	13	0.2
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	3	0.2
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD12	2	0.2
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD11	15	0.2
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG12	19	0.2
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB2	4	0.2
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB2	11	0.2
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB3	12	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	4	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	7	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	9	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB1	10	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	14	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	15	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	16	0.2
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB1	18	0.2
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	1	0.2
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	3	0.2
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	9	0.2
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	4	0.2
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	15	0.2
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG21	5	0.2
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG23	6	0.2
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	14	0.2
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	11	0.2
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	18	0.2
(1,3213)	1:88:A:LEU:HD13	1:90:A:ASP:HB3	15	0.2
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD21	2	0.2
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD11	8	0.2
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	5	0.2
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	14	0.2
(1,3100)	1:63:A:ASP:HA	1:197:A:GLN:HB2	2	0.2
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	3	0.2
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	10	0.2
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	11	0.2
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	13	0.2
(1,3063)	1:172:A:PRO:HB2	1:194:A:VAL:HG22	3	0.2
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	6	0.2
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	13	0.2
(1,3023)	1:170:A:ASN:HB3	1:171:A:ALA:HB1	19	0.2
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	14	0.2
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	15	0.2
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	20	0.2
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	4	0.2
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	7	0.2
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	9	0.2
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	18	0.2
(1,3003)	1:131:A:LYS:HE2	1:127:A:LEU:HA	5	0.2
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	4	0.2
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	7	0.2
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	15	0.2
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	17	0.2
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	20	0.2
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	1	0.2
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	5	0.2
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	11	0.2
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	13	0.2
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	17	0.2
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	19	0.2
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	10	0.2
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG21	16	0.2
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	18	0.2
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	9	0.2
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	16	0.2
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	12	0.2
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	16	0.2
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	7	0.2
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	14	0.2
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	12	0.2
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	4	0.2
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	13	0.2
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	3	0.2
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	10	0.2
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	15	0.2
(1,2722)	1:81:A:VAL:HG12	1:75:A:MET:HG2	12	0.2
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	15	0.2
(1,2700)	1:144:A:THR:HG23	1:147:A:LYS:HE2	12	0.2
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	5	0.2
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG22	17	0.2
(1,2689)	1:120:A:THR:HB	1:86:A:VAL:HG23	14	0.2
(1,2686)	1:121:A:LEU:HA	1:86:A:VAL:HG23	17	0.2
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	19	0.2
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	1	0.2
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	9	0.2
(1,2657)	1:76:A:LEU:HD13	1:76:A:LEU:HB3	16	0.2
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	5	0.2
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	6	0.2
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	7	0.2
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	8	0.2
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	14	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	1	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	3	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	7	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD12	10	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	11	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD12	13	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	14	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	16	0.2
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD12	17	0.2
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD23	4	0.2
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	6	0.2
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD22	16	0.2
(1,2551)	1:60:A:ARG:HG3	1:61:A:HIS:H	2	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	1	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	3	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	5	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	8	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	9	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	17	0.2
(1,2502)	1:182:A:GLN:HA	1:182:A:GLN:HB2	19	0.2
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD13	20	0.2
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	20	0.2
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	6	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	1	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	7	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	8	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	10	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	16	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	18	0.2
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	9	0.2
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	12	0.2
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	8	0.2
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	13	0.2
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	15	0.2
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG12	19	0.2
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	1	0.2
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	10	0.2
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	1	0.2
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	9	0.2
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	2	0.2
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	18	0.2
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD13	10	0.2
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	8	0.2
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG13	2	0.2
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	13	0.2
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	18	0.2
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	1	0.2
(1,2149)	1:90:A:ASP:HB2	1:162:A:TYR:HD1	20	0.2
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	12	0.2
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	2	0.2
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD13	15	0.2
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD13	20	0.2
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG22	3	0.2
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG23	5	0.2
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	10	0.2
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	15	0.2
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB3	6	0.2
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	4	0.2
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	5	0.2
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	12	0.2
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	19	0.2
(1,1962)	1:87:A:LEU:HB2	1:87:A:LEU:HD11	20	0.2
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	12	0.2
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	5	0.2
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	10	0.2
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	15	0.2
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	16	0.2
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	17	0.2
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	15	0.2
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	10	0.2
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG23	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	6	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	7	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	8	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	12	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	13	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	18	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	19	0.2
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	20	0.2
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	3	0.2
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	4	0.2
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	9	0.2
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	9	0.2
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	17	0.2
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	7	0.2
(1,1528)	1:163:A:SER:HB3	1:174:A:LEU:HD11	12	0.2
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	7	0.2
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	19	0.2
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	3	0.2
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	4	0.2
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	11	0.2
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	1	0.2
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	3	0.2
(1,1451)	1:144:A:THR:HB	1:147:A:LYS:HG2	14	0.2
(1,1439)	1:178:A:LEU:HD11	1:159:A:TYR:HD2	16	0.2
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	2	0.2
(1,1432)	1:178:A:LEU:HD21	1:119:A:PHE:HZ	16	0.2
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	4	0.2
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	10	0.2
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	13	0.2
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	16	0.2
(1,1390)	1:162:A:TYR:HE1	1:162:A:TYR:HD1	12	0.2
(1,1325)	1:100:A:LEU:HB3	1:62:A:TYR:HE2	7	0.2
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	11	0.2
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD21	9	0.2
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG2	7	0.2
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG2	11	0.2
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG2	12	0.2
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	13	0.2
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB3	13	0.2
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB3	8	0.2
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	15	0.2
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	2	0.2
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	4	0.2
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	5	0.2
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	10	0.2
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	2	0.2
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	11	0.2
(1,1138)	1:150:A:GLY:H	1:149:A:ILE:HG22	11	0.2
(1,1135)	1:190:A:GLY:H	1:176:A:MET:HG2	19	0.2
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB3	18	0.2
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	15	0.2
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	1	0.2
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	18	0.2
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	7	0.2
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	1	0.2
(1,1093)	1:65:A:ASN:HD22	1:65:A:ASN:HB2	14	0.2
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	3	0.2
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	12	0.2
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	3	0.2
(1,1080)	1:38:A:THR:H	1:38:A:THR:HB	12	0.2
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	14	0.2
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	7	0.2
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	11	0.2
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	15	0.2
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	1	0.2
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD13	10	0.2
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	7	0.2
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	1	0.2
(1,977)	1:176:A:MET:H	1:189:A:SER:HB2	14	0.2
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	4	0.2
(1,975)	1:176:A:MET:H	1:175:A:GLN:H	17	0.2
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	1	0.2
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	11	0.2
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	12	0.2
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	11	0.2
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	6	0.2
(1,925)	1:123:A:SER:H	1:127:A:LEU:HB2	5	0.2
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	15	0.2
(1,894)	1:64:A:TRP:HE1	1:64:A:TRP:HB2	2	0.2
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	11	0.2
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	2	0.2
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	8	0.2
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	17	0.2
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	13	0.2
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG12	6	0.2
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	9	0.2
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG12	13	0.2
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	10	0.2
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	4	0.2
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	6	0.2
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	14	0.2
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	15	0.2
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	16	0.2
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	15	0.2
(1,823)	1:151:A:ILE:HD13	1:147:A:LYS:HB3	3	0.2
(1,799)	1:88:A:LEU:HA	1:122:A:VAL:HG23	20	0.2
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB2	11	0.2
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB2	17	0.2
(1,713)	1:67:A:ALA:HB3	1:71:A:MET:HE2	13	0.2
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	3	0.2
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG13	9	0.2
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	20	0.2
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	10	0.2
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	12	0.2
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	16	0.2
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	2	0.2
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	8	0.2
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	9	0.2
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	6	0.2
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	20	0.2
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	5	0.2
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	7	0.2
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	8	0.2
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	14	0.2
(1,559)	1:197:A:GLN:HA	1:62:A:TYR:HA	1	0.2
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	14	0.2
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	2	0.2
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	4	0.2
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	20	0.2
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	7	0.2
(1,531)	1:53:A:ALA:H	1:52:A:THR:HA	11	0.2
(1,519)	1:60:A:ARG:HD2	1:169:A:VAL:HA	10	0.2
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	7	0.2
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	4	0.2
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	7	0.2
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	10	0.2
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	1	0.2
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG22	10	0.2
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD13	3	0.2
(1,459)	1:178:A:LEU:HD22	1:180:A:LEU:HB2	12	0.2
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	17	0.2
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	20	0.2
(1,413)	1:118:A:LYS:HD3	1:76:A:LEU:HA	13	0.2
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD22	8	0.2
(1,389)	1:81:A:VAL:HB	1:178:A:LEU:HD23	16	0.2
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	1	0.2
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	10	0.2
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	11	0.2
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	16	0.2
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	19	0.2
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	17	0.2
(1,348)	1:69:A:GLN:HG2	1:115:A:ASN:HB2	4	0.2
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	10	0.2
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	1	0.2
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	11	0.2
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	18	0.2
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	2	0.2
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	6	0.2
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	15	0.2
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	14	0.2
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD23	7	0.2
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	16	0.2
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	14	0.2
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	8	0.2
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	8	0.2
(1,229)	1:60:A:ARG:HD3	1:60:A:ARG:HG2	19	0.2
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	9	0.2
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	5	0.2
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	7	0.2
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	15	0.2
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	7	0.2
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	9	0.2
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	14	0.2
(1,172)	1:117:A:GLY:HA2	1:116:A:ASN:HB3	3	0.2
(1,123)	1:191:A:LYS:HA	1:192:A:GLY:HA3	18	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:191:A:LYS:HA	1:176:A:MET:HG2	1	0.2
(1,121)	1:191:A:LYS:HA	1:176:A:MET:HG2	16	0.2
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	8	0.2
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG23	8	0.2
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	16	0.2
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	2	0.2
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	19	0.2
(1,50)	1:138:A:PRO:HA	1:127:A:LEU:HD22	7	0.2
(1,35)	1:72:A:VAL:HA	1:72:A:VAL:HG12	19	0.2
(1,32)	1:163:A:SER:HB3	1:161:A:LEU:HD13	11	0.2
(1,27)	1:72:A:VAL:HA	1:72:A:VAL:HG12	19	0.2
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	10	0.2
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD3	14	0.2
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	7	0.19
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	13	0.19
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	20	0.19
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	5	0.19
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	15	0.19
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD12	3	0.19
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD11	4	0.19
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	2	0.19
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	3	0.19
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	10	0.19
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	15	0.19
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	18	0.19
(1,4952)	1:108:A:THR:H	1:105:A:ALA:HB2	19	0.19
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	13	0.19
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	7	0.19
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	9	0.19
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	20	0.19
(1,4870)	1:25:A:GLU:H	1:24:A:ALA:HA	10	0.19
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB1	4	0.19
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB2	5	0.19
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	18	0.19
(1,4808)	1:112:A:ALA:H	1:113:A:LEU:HB2	4	0.19
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	4	0.19
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	4	0.19
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	1	0.19
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	2	0.19
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	6	0.19
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	9	0.19
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	17	0.19
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	19	0.19
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	15	0.19
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	18	0.19
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	15	0.19
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	19	0.19
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	1	0.19
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	9	0.19
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	14	0.19
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	19	0.19
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	7	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	1	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	6	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD23	7	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD22	8	0.19
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD22	12	0.19
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	3	0.19
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	8	0.19
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	15	0.19
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	11	0.19
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	15	0.19
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	4	0.19
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	7	0.19
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	8	0.19
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	9	0.19
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	13	0.19
(1,4438)	1:71:A:MET:H	1:70:A:PRO:HD3	17	0.19
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	1	0.19
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	8	0.19
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB3	2	0.19
(1,4389)	1:166:A:SER:H	1:174:A:LEU:HA	19	0.19
(1,4355)	1:132:A:GLN:H	1:131:A:LYS:HG2	10	0.19
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB2	1	0.19
(1,4318)	1:170:A:ASN:H	1:170:A:ASN:HD22	10	0.19
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	10	0.19
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	13	0.19
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	4	0.19
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	5	0.19
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	6	0.19
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD21	17	0.19
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB2	9	0.19
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	18	0.19
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	11	0.19
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	12	0.19
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	4	0.19
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	12	0.19
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	3	0.19
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	4	0.19
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	11	0.19
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	14	0.19
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	20	0.19
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	4	0.19
(1,4027)	1:109:A:LEU:H	1:109:A:LEU:HB3	8	0.19
(1,4009)	1:178:A:LEU:H	1:178:A:LEU:HD12	16	0.19
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB2	1	0.19
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	14	0.19
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	1	0.19
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	2	0.19
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	3	0.19
(1,3902)	1:106:A:THR:HG23	1:106:A:THR:HG1	7	0.19
(1,3902)	1:106:A:THR:HG23	1:106:A:THR:HG1	9	0.19
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	11	0.19
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	12	0.19
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	13	0.19
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	14	0.19
(1,3902)	1:106:A:THR:HG23	1:106:A:THR:HG1	19	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	2	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	6	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	10	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	13	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	16	0.19
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	18	0.19
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	7	0.19
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	10	0.19
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	11	0.19
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	13	0.19
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	18	0.19
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	2	0.19
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG23	4	0.19
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	4	0.19
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG22	13	0.19
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	17	0.19
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	18	0.19
(1,3659)	1:174:A:LEU:HD11	1:174:A:LEU:HD23	20	0.19
(1,3626)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	14	0.19
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	17	0.19
(1,3625)	1:165:A:ALA:HB3	1:96:A:THR:HG21	4	0.19
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG22	5	0.19
(1,3594)	1:145:A:ARG:HG2	1:162:A:TYR:HE2	7	0.19
(1,3588)	1:59:A:ILE:HD13	1:59:A:ILE:HG13	5	0.19
(1,3588)	1:59:A:ILE:HD12	1:59:A:ILE:HG13	16	0.19
(1,3588)	1:59:A:ILE:HD12	1:59:A:ILE:HG13	18	0.19
(1,3569)	1:131:A:LYS:HE2	1:151:A:ILE:HD13	12	0.19
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	4	0.19
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	6	0.19
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	17	0.19
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD12	5	0.19
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	17	0.19
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	18	0.19
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	12	0.19
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	16	0.19
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG22	20	0.19
(1,3522)	1:149:A:ILE:HG21	1:181:A:VAL:HA	8	0.19
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	1	0.19
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	14	0.19
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	10	0.19
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	14	0.19
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	16	0.19
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	7	0.19
(1,3509)	1:75:A:MET:HE1	1:188:A:TRP:HE3	5	0.19
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	18	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB1	5	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB3	7	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB2	8	0.19
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB3	13	0.19
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB2	16	0.19
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	1	0.19
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	2	0.19
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	8	0.19
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	10	0.19
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB3	11	0.19
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	14	0.19
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB3	15	0.19
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	4	0.19
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	2	0.19
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	13	0.19
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	17	0.19
(1,3423)	1:176:A:MET:HE3	1:72:A:VAL:HA	12	0.19
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	17	0.19
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	15	0.19
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	20	0.19
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	2	0.19
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	12	0.19
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	15	0.19
(1,3399)	1:145:A:ARG:HA	1:148:A:ALA:HB1	12	0.19
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	1	0.19
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	3	0.19
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	5	0.19
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	6	0.19
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	16	0.19
(1,3398)	1:130:A:ALA:HB3	1:130:A:ALA:HA	17	0.19
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG12	2	0.19
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG13	3	0.19
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG13	8	0.19
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	1	0.19
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	7	0.19
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	14	0.19
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	3	0.19
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	7	0.19
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	13	0.19
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD13	8	0.19
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD13	17	0.19
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD13	18	0.19
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	19	0.19
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB1	1	0.19
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB3	11	0.19
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB1	1	0.19
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	8	0.19
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	13	0.19
(1,3288)	1:67:A:ALA:HB2	1:64:A:TRP:HA	2	0.19
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	18	0.19
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG23	5	0.19
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG21	13	0.19
(1,3247)	1:65:A:ASN:HD21	1:108:A:THR:HG21	4	0.19
(1,3244)	1:81:A:VAL:HG12	1:119:A:PHE:HZ	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3241)	1:81:A:VAL:HG21	1:159:A:TYR:HD2	19	0.19
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	11	0.19
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD22	12	0.19
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	5	0.19
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	8	0.19
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	2	0.19
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	9	0.19
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	5	0.19
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	15	0.19
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	13	0.19
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	18	0.19
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	7	0.19
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	16	0.19
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	17	0.19
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	20	0.19
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	3	0.19
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	5	0.19
(1,2946)	1:63:A:ASP:HA	1:197:A:GLN:HE21	8	0.19
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	5	0.19
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	6	0.19
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	12	0.19
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	14	0.19
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG23	2	0.19
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD21	10	0.19
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	1	0.19
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	5	0.19
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	2	0.19
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	15	0.19
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	17	0.19
(1,2822)	1:91:A:SER:HB3	1:92:A:VAL:H	15	0.19
(1,2810)	1:169:A:VAL:HA	1:96:A:THR:HA	20	0.19
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	10	0.19
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	14	0.19
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	12	0.19
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	20	0.19
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	15	0.19
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	16	0.19
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	2	0.19
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	6	0.19
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	13	0.19
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	14	0.19
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	6	0.19
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	7	0.19
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	8	0.19
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	14	0.19
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	17	0.19
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	18	0.19
(1,2732)	1:82:A:THR:HB	1:83:A:ALA:H	3	0.19
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	14	0.19
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	1	0.19
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	2	0.19
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	4	0.19
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	8	0.19
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG23	11	0.19
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	13	0.19
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	4	0.19
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	11	0.19
(1,2672)	1:106:A:THR:HG23	1:110:A:ARG:H	17	0.19
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	5	0.19
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD21	19	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	4	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD13	9	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	12	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	15	0.19
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	18	0.19
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	2	0.19
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	4	0.19
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD11	5	0.19
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	6	0.19
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD12	8	0.19
(1,2611)	1:134:A:LEU:HG	1:134:A:LEU:HD13	9	0.19
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	1	0.19
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD21	2	0.19
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	10	0.19
(1,2593)	1:182:A:GLN:HB3	1:180:A:LEU:HD13	7	0.19
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	12	0.19
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	17	0.19
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	8	0.19
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	11	0.19
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	2	0.19
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	5	0.19
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	12	0.19
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	4	0.19
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	7	0.19
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	3	0.19
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	9	0.19
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	11	0.19
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD23	14	0.19
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	20	0.19
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	1	0.19
(1,2383)	1:172:A:PRO:HB2	1:194:A:VAL:HG11	2	0.19
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB2	7	0.19
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB2	16	0.19
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	2	0.19
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	2	0.19
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	10	0.19
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	1	0.19
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	11	0.19
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	14	0.19
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD22	4	0.19
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD23	16	0.19
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	4	0.19
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	11	0.19
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	14	0.19
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	11	0.19
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	7	0.19
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	13	0.19
(1,2068)	1:174:A:LEU:HB2	1:194:A:VAL:HG21	19	0.19
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG23	4	0.19
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	16	0.19
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB2	19	0.19
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	6	0.19
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	9	0.19
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	15	0.19
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG12	16	0.19
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD13	9	0.19
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD13	20	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	1	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	2	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	3	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	4	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	7	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	8	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	13	0.19
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	17	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	3	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	8	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	10	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	11	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	14	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	17	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	19	0.19
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	20	0.19
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	8	0.19
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	20	0.19
(1,1736)	1:118:A:LYS:HA	1:118:A:LYS:HG2	17	0.19
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	2	0.19
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	13	0.19
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB2	15	0.19
(1,1689)	1:110:A:ARG:HA	1:89:A:VAL:HG13	11	0.19
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	6	0.19
(1,1614)	1:137:A:SER:HB2	1:137:A:SER:HA	9	0.19
(1,1608)	1:141:A:SER:HB2	1:140:A:ASP:H	16	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	2	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	6	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	7	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	10	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	14	0.19
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	20	0.19
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	11	0.19
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	14	0.19
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	18	0.19
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	5	0.19
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	17	0.19
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	1	0.19
(1,1524)	1:163:A:SER:HB3	1:92:A:VAL:HA	7	0.19
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	11	0.19
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	5	0.19
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	15	0.19
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	1	0.19
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	7	0.19
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	10	0.19
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	14	0.19
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	18	0.19
(1,1439)	1:178:A:LEU:HD13	1:159:A:TYR:HD2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	4	0.19
(1,1435)	1:100:A:LEU:HD23	1:62:A:TYR:HD2	5	0.19
(1,1435)	1:100:A:LEU:HD21	1:62:A:TYR:HD2	9	0.19
(1,1435)	1:100:A:LEU:HD23	1:62:A:TYR:HD2	12	0.19
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	13	0.19
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	4	0.19
(1,1432)	1:178:A:LEU:HD23	1:119:A:PHE:HZ	8	0.19
(1,1419)	1:159:A:TYR:HE1	1:158:A:HIS:HD2	19	0.19
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	10	0.19
(1,1395)	1:159:A:TYR:HD1	1:88:A:LEU:H	2	0.19
(1,1382)	1:87:A:LEU:HD13	1:119:A:PHE:HD2	9	0.19
(1,1335)	1:48:A:HIS:HB3	1:48:A:HIS:HD2	14	0.19
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	3	0.19
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	5	0.19
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	14	0.19
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	16	0.19
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	9	0.19
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	1	0.19
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	9	0.19
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	14	0.19
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	16	0.19
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	18	0.19
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	8	0.19
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	16	0.19
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	11	0.19
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	11	0.19
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	16	0.19
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	19	0.19
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	5	0.19
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	12	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	2	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	4	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	7	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	9	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	10	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	11	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	12	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	14	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	19	0.19
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	20	0.19
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	11	0.19
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:52:A:THR:H	1:52:A:THR:HG21	5	0.19
(1,1073)	1:131:A:LYS:H	1:151:A:ILE:HD13	19	0.19
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	6	0.19
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	8	0.19
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	9	0.19
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	12	0.19
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	17	0.19
(1,1028)	1:125:A:GLN:H	1:123:A:SER:HB2	12	0.19
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD23	16	0.19
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	10	0.19
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	12	0.19
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	17	0.19
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	19	0.19
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	1	0.19
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	3	0.19
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	7	0.19
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	9	0.19
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	13	0.19
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	14	0.19
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	4	0.19
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	5	0.19
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	7	0.19
(1,894)	1:64:A:TRP:HE1	1:64:A:TRP:HB2	1	0.19
(1,894)	1:64:A:TRP:HE1	1:64:A:TRP:HB2	10	0.19
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	15	0.19
(1,888)	1:191:A:LYS:HD3	1:192:A:GLY:H	14	0.19
(1,885)	1:72:A:VAL:HG22	1:71:A:MET:HB2	14	0.19
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	14	0.19
(1,870)	1:73:A:SER:HB2	1:69:A:GLN:HE22	14	0.19
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	2	0.19
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	16	0.19
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	19	0.19
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	12	0.19
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	18	0.19
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	3	0.19
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	19	0.19
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	2	0.19
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	13	0.19
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	4	0.19
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	20	0.19
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	7	0.19
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,699)	1:178:A:LEU:HD12	1:75:A:MET:HG2	8	0.19
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	11	0.19
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	13	0.19
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	20	0.19
(1,659)	1:129:A:MET:HG2	1:128:A:SER:H	7	0.19
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	3	0.19
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	20	0.19
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	3	0.19
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	19	0.19
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	20	0.19
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	4	0.19
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	7	0.19
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	13	0.19
(1,569)	1:108:A:THR:HG22	1:105:A:ALA:HA	4	0.19
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	4	0.19
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB2	6	0.19
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	10	0.19
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	7	0.19
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	3	0.19
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	14	0.19
(1,532)	1:33:A:VAL:H	1:32:A:THR:HA	14	0.19
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	6	0.19
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	9	0.19
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	11	0.19
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	13	0.19
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	14	0.19
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	8	0.19
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	1	0.19
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	19	0.19
(1,368)	1:176:A:MET:HG3	1:174:A:LEU:HD11	13	0.19
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	16	0.19
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	7	0.19
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	7	0.19
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	10	0.19
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	13	0.19
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	7	0.19
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	9	0.19
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	5	0.19
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	2	0.19
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	8	0.19
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD22	11	0.19
(1,291)	1:65:A:ASN:HA	1:65:A:ASN:HB2	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	8	0.19
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	10	0.19
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	2	0.19
(1,246)	1:74:A:LYS:HE3	1:188:A:TRP:HZ2	6	0.19
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	10	0.19
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	19	0.19
(1,229)	1:60:A:ARG:HD3	1:60:A:ARG:HG2	11	0.19
(1,223)	1:95:A:ARG:HD3	1:95:A:ARG:HG3	19	0.19
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	6	0.19
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	16	0.19
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD3	9	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	1	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	6	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	10	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	11	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	12	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	17	0.19
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	18	0.19
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	13	0.19
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	1	0.19
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	9	0.19
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	16	0.19
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG11	12	0.19
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	1	0.19
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	16	0.19
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	18	0.19
(1,67)	1:73:A:SER:HB3	1:69:A:GLN:HB3	19	0.19
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	20	0.19
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	4	0.19
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	19	0.19
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	1	0.19
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	3	0.19
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	12	0.18
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	12	0.18
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	12	0.18
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	12	0.18
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	12	0.18
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	12	0.18
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	12	0.18
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	12	0.18
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	12	0.18
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	12	0.18
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	12	0.18
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	12	0.18
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	12	0.18
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	12	0.18
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	12	0.18
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	12	0.18
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	12	0.18
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	12	0.18
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	8	0.18
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	1	0.18
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	4	0.18
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	16	0.18
(1,5120)	1:14:A:GLU:H	1:13:A:VAL:HA	16	0.18
(1,5098)	1:33:A:VAL:H	1:32:A:THR:HA	3	0.18
(1,5094)	1:4:A:MET:H	1:4:A:MET:HG3	11	0.18
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	18	0.18
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	5	0.18
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	9	0.18
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	11	0.18
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	1	0.18
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	11	0.18
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	16	0.18
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	5	0.18
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	5	0.18
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	9	0.18
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	3	0.18
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	5	0.18
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	19	0.18
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	20	0.18
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	2	0.18
(1,4997)	1:125:A:GLN:HE22	1:125:A:GLN:HB2	12	0.18
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	9	0.18
(1,4982)	1:76:A:LEU:H	1:77:A:GLY:HA2	12	0.18
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	12	0.18
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	18	0.18
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	1	0.18
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	6	0.18
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	12	0.18
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	14	0.18
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB2	3	0.18
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	14	0.18
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	17	0.18
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	20	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG22	2	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	3	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG22	6	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	17	0.18
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	19	0.18
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG23	4	0.18
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB1	2	0.18
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	1	0.18
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	10	0.18
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	14	0.18
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	18	0.18
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	20	0.18
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	8	0.18
(1,4756)	1:197:A:GLN:H	1:64:A:TRP:H	12	0.18
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	1	0.18
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	17	0.18
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	18	0.18
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	20	0.18
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB3	4	0.18
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB3	11	0.18
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	3	0.18
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	8	0.18
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	17	0.18
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	8	0.18
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	10	0.18
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG22	4	0.18
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	13	0.18
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD23	15	0.18
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD22	20	0.18
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG22	4	0.18
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	14	0.18
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	1	0.18
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD23	9	0.18
(1,4439)	1:71:A:MET:H	1:71:A:MET:HG3	20	0.18
(1,4423)	1:91:A:SER:H	1:162:A:TYR:HD1	10	0.18
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB2	7	0.18
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	10	0.18
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	15	0.18
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	5	0.18
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	6	0.18
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	9	0.18
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	17	0.18
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD22	18	0.18
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	20	0.18
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	9	0.18
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	2	0.18
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD21	20	0.18
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB3	16	0.18
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB1	17	0.18
(1,4228)	1:46:A:ILE:H	1:45:A:PRO:HB3	20	0.18
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	2	0.18
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	3	0.18
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	6	0.18
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	8	0.18
(1,4198)	1:50:A:ASP:H	1:50:A:ASP:HB2	12	0.18
(1,4114)	1:147:A:LYS:H	1:144:A:THR:HG23	2	0.18
(1,4114)	1:147:A:LYS:H	1:144:A:THR:HG21	16	0.18
(1,4114)	1:147:A:LYS:H	1:144:A:THR:HG21	18	0.18
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	10	0.18
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	18	0.18
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	19	0.18
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	14	0.18
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	2	0.18
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	13	0.18
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	2	0.18
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	10	0.18
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	3	0.18
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	18	0.18
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	5	0.18
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	6	0.18
(1,3902)	1:106:A:THR:HG21	1:106:A:THR:HG1	8	0.18
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	15	0.18
(1,3902)	1:106:A:THR:HG23	1:106:A:THR:HG1	18	0.18
(1,3894)	1:141:A:SER:HB3	1:142:A:LEU:HG	18	0.18
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	8	0.18
(1,3809)	1:87:A:LEU:HD21	1:119:A:PHE:HD1	19	0.18
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	1	0.18
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	9	0.18
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	12	0.18
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD12	11	0.18
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	5	0.18
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	9	0.18
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	18	0.18
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	4	0.18
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	20	0.18
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	13	0.18
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	2	0.18
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	1	0.18
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	2	0.18
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	11	0.18
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD12	7	0.18
(1,3660)	1:52:A:THR:HA	1:52:A:THR:HG22	11	0.18
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	16	0.18
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD22	15	0.18
(1,3626)	1:105:A:ALA:HB3	1:165:A:ALA:HB3	3	0.18
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	4	0.18
(1,3601)	1:6:A:GLY:HA3	1:5:A:VAL:HG12	1	0.18
(1,3594)	1:145:A:ARG:HG2	1:162:A:TYR:HE2	6	0.18
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	4	0.18
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	12	0.18
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD12	18	0.18
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	2	0.18
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD12	7	0.18
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	8	0.18
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	19	0.18
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	7	0.18
(1,3550)	1:187:A:ILE:HD11	1:81:A:VAL:HG22	5	0.18
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	7	0.18
(1,3531)	1:105:A:ALA:HB2	1:101:A:ASN:HA	20	0.18
(1,3523)	1:149:A:ILE:HA	1:149:A:ILE:HG21	11	0.18
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	3	0.18
(1,3515)	1:113:A:LEU:HD12	1:75:A:MET:HE2	10	0.18
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE2	11	0.18
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	7	0.18
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	13	0.18
(1,3512)	1:72:A:VAL:HA	1:75:A:MET:HE3	15	0.18
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	20	0.18
(1,3509)	1:75:A:MET:HE1	1:188:A:TRP:HE3	20	0.18
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	1	0.18
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	3	0.18
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	12	0.18
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	17	0.18
(1,3487)	1:113:A:LEU:HD22	1:112:A:ALA:HB1	10	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB3	5	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	6	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	7	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	9	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	12	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	13	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	16	0.18
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB3	17	0.18
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	10	0.18
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB3	17	0.18
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	7	0.18
(1,3467)	1:191:A:LYS:H	1:71:A:MET:HE3	20	0.18
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	14	0.18
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	16	0.18
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	18	0.18
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	3	0.18
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	4	0.18
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	7	0.18
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	9	0.18
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	16	0.18
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	2	0.18
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	4	0.18
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	8	0.18
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	10	0.18
(1,3398)	1:130:A:ALA:HB3	1:130:A:ALA:HA	15	0.18
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	18	0.18
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB1	19	0.18
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB3	1	0.18
(1,3387)	1:155:A:VAL:HG23	1:130:A:ALA:HB3	7	0.18
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB3	16	0.18
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB3	18	0.18
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG11	6	0.18
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	18	0.18
(1,3378)	1:174:A:LEU:HD22	1:68:A:MET:HE3	8	0.18
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	15	0.18
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	6	0.18
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	9	0.18
(1,3341)	1:157:A:ALA:HB3	1:122:A:VAL:HG11	7	0.18
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB2	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	11	0.18
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB2	18	0.18
(1,3312)	1:92:A:VAL:HG13	1:105:A:ALA:HB1	6	0.18
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB3	14	0.18
(1,3312)	1:92:A:VAL:HG11	1:105:A:ALA:HB2	19	0.18
(1,3308)	1:92:A:VAL:HG11	1:102:A:ALA:HB3	4	0.18
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	2	0.18
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	5	0.18
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB2	19	0.18
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	20	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG22	6	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	9	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG22	14	0.18
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG23	17	0.18
(1,3278)	1:91:A:SER:HA	1:92:A:VAL:HG22	16	0.18
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	1	0.18
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD21	7	0.18
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	9	0.18
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	3	0.18
(1,3210)	1:90:A:ASP:HA	1:142:A:LEU:HD12	2	0.18
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	11	0.18
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD23	17	0.18
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD13	4	0.18
(1,3173)	1:88:A:LEU:HD13	1:89:A:VAL:H	11	0.18
(1,3172)	1:181:A:VAL:HG13	1:159:A:TYR:HD1	3	0.18
(1,3172)	1:181:A:VAL:HG12	1:159:A:TYR:HD1	18	0.18
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD11	13	0.18
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG23	5	0.18
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	10	0.18
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	16	0.18
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	4	0.18
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	6	0.18
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	8	0.18
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	9	0.18
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	5	0.18
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	12	0.18
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	1	0.18
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	2	0.18
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	6	0.18
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	11	0.18
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	12	0.18
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	15	0.18
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	20	0.18
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	12	0.18
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	18	0.18
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	2	0.18
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	13	0.18
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	3	0.18
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	8	0.18
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	9	0.18
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	19	0.18
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	2	0.18
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	4	0.18
(1,2833)	1:194:A:VAL:HA	1:195:A:SER:HA	10	0.18
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	7	0.18
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	8	0.18
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	11	0.18
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	14	0.18
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	19	0.18
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	1	0.18
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	3	0.18
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	9	0.18
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	11	0.18
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG12	8	0.18
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG12	13	0.18
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	1	0.18
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	2	0.18
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	11	0.18
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	19	0.18
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	8	0.18
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB1	11	0.18
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	3	0.18
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	3	0.18
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	4	0.18
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	12	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	1	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	2	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	4	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	5	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	9	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	10	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	11	0.18
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	16	0.18
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	1	0.18
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	2	0.18
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	9	0.18
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	17	0.18
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	7	0.18
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	17	0.18
(1,2706)	1:174:A:LEU:HA	1:173:A:THR:HG23	14	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	8	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	9	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	12	0.18
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	15	0.18
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	1	0.18
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	14	0.18
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD11	16	0.18
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	4	0.18
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD12	10	0.18
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	11	0.18
(1,2600)	1:100:A:LEU:HB2	1:100:A:LEU:HD22	11	0.18
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD21	17	0.18
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	11	0.18
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD11	10	0.18
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	11	0.18
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	15	0.18
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	14	0.18
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	4	0.18
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	13	0.18
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	4	0.18
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	6	0.18
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	20	0.18
(1,2357)	1:69:A:GLN:HG3	1:112:A:ALA:HB1	1	0.18
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	4	0.18
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	15	0.18
(1,2272)	1:160:A:VAL:H	1:179:A:MET:HB2	10	0.18
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	15	0.18
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	11	0.18
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	19	0.18
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	1	0.18
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	2	0.18
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	6	0.18
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	7	0.18
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	13	0.18
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	14	0.18
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	3	0.18
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	7	0.18
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	10	0.18
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	19	0.18
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	10	0.18
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD11	18	0.18
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	18	0.18
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG22	19	0.18
(1,2053)	1:100:A:LEU:HB2	1:165:A:ALA:HB1	9	0.18
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	7	0.18
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	3	0.18
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	9	0.18
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG12	11	0.18
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	18	0.18
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	6	0.18
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	9	0.18
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	12	0.18
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	18	0.18
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD12	10	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	9	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	13	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	15	0.18
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	16	0.18
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	18	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	1	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB2	3	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB2	5	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	7	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB2	11	0.18
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	16	0.18
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	15	0.18
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	18	0.18
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD23	5	0.18
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	6	0.18
(1,1648)	1:73:A:SER:HA	1:76:A:LEU:HD11	16	0.18
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	12	0.18
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	18	0.18
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	1	0.18
(1,1569)	1:85:A:SER:HB2	1:158:A:HIS:HB3	2	0.18
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	20	0.18
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	4	0.18
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	10	0.18
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	19	0.18
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	6	0.18
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	11	0.18
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	11	0.18
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	5	0.18
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	19	0.18
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	3	0.18
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	8	0.18
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	10	0.18
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	14	0.18
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	17	0.18
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	18	0.18
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	2	0.18
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	6	0.18
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	9	0.18
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	5	0.18
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	16	0.18
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG22	4	0.18
(1,1449)	1:144:A:THR:HB	1:147:A:LYS:HE2	3	0.18
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	1	0.18
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	3	0.18
(1,1435)	1:100:A:LEU:HD23	1:62:A:TYR:HD2	8	0.18
(1,1435)	1:100:A:LEU:HD21	1:62:A:TYR:HD2	14	0.18
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	15	0.18
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	13	0.18
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	1	0.18
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	2	0.18
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	4	0.18
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	7	0.18
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	12	0.18
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	17	0.18
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	7	0.18
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	9	0.18
(1,1367)	1:76:A:LEU:HD11	1:119:A:PHE:HE2	18	0.18
(1,1327)	1:148:A:ALA:HB3	1:162:A:TYR:HE2	5	0.18
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	12	0.18
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	19	0.18
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	1	0.18
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	10	0.18
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	11	0.18
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	18	0.18
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	7	0.18
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	2	0.18
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	19	0.18
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG12	1	0.18
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	3	0.18
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	11	0.18
(1,1179)	1:64:A:TRP:H	1:61:A:HIS:HD2	14	0.18
(1,1157)	1:179:A:MET:H	1:178:A:LEU:HG	16	0.18
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	8	0.18
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	13	0.18
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD11	10	0.18
(1,1104)	1:144:A:THR:H	1:147:A:LYS:HE2	20	0.18
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	3	0.18
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	5	0.18
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	8	0.18
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	16	0.18
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	17	0.18
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	7	0.18
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	19	0.18
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	10	0.18
(1,1096)	1:139:A:GLN:H	1:137:A:SER:HB2	16	0.18
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	16	0.18
(1,1081)	1:52:A:THR:H	1:52:A:THR:HG22	17	0.18
(1,1080)	1:38:A:THR:H	1:38:A:THR:HB	4	0.18
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	15	0.18
(1,1023)	1:69:A:GLN:H	1:72:A:VAL:H	20	0.18
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	5	0.18
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	20	0.18
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	2	0.18
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	3	0.18
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	19	0.18
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	16	0.18
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	3	0.18
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	10	0.18
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	15	0.18
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	16	0.18
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	19	0.18
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	15	0.18
(1,917)	1:88:A:LEU:H	1:86:A:VAL:HG21	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	13	0.18
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	10	0.18
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	13	0.18
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	18	0.18
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	19	0.18
(1,877)	1:128:A:SER:HB2	1:127:A:LEU:HG	11	0.18
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	16	0.18
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	1	0.18
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG13	18	0.18
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	5	0.18
(1,824)	1:147:A:LYS:HB2	1:147:A:LYS:HE2	17	0.18
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	5	0.18
(1,797)	1:142:A:LEU:HD12	1:142:A:LEU:HG	16	0.18
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	9	0.18
(1,712)	1:75:A:MET:H	1:81:A:VAL:HG11	11	0.18
(1,711)	1:81:A:VAL:HG21	1:78:A:ALA:H	16	0.18
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	2	0.18
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	7	0.18
(1,675)	1:110:A:ARG:HB2	1:109:A:LEU:HB2	17	0.18
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	1	0.18
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	1	0.18
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	14	0.18
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	19	0.18
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	20	0.18
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	2	0.18
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	10	0.18
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	10	0.18
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	16	0.18
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	12	0.18
(1,589)	1:83:A:ALA:HA	1:82:A:THR:HG21	20	0.18
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	10	0.18
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	11	0.18
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	16	0.18
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	7	0.18
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	1	0.18
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	13	0.18
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	18	0.18
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	1	0.18
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	20	0.18
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	10	0.18
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	6	0.18
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG22	13	0.18
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	8	0.18
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	18	0.18
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	12	0.18
(1,447)	1:74:A:LYS:HE3	1:74:A:LYS:HG3	13	0.18
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	12	0.18
(1,412)	1:118:A:LYS:HD2	1:118:A:LYS:H	11	0.18
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	4	0.18
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	6	0.18
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	20	0.18
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	14	0.18
(1,366)	1:176:A:MET:HG2	1:188:A:TRP:HZ3	20	0.18
(1,356)	1:172:A:PRO:HB2	1:62:A:TYR:HE2	18	0.18
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	2	0.18
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	5	0.18
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	17	0.18
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	19	0.18
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	4	0.18
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	1	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	1	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	3	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	5	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	6	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	8	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	9	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	12	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	14	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	15	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	18	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	19	0.18
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	20	0.18
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	4	0.18
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	12	0.18
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	4	0.18
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	16	0.18
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG11	10	0.18
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	6	0.18
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG22	6	0.18
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	6	0.18
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	3	0.18
(1,268)	1:121:A:LEU:HB3	1:110:A:ARG:HG3	17	0.18
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,256)	1:191:A:LYS:HA	1:191:A:LYS:HE2	14	0.18
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB3	5	0.18
(1,248)	1:131:A:LYS:HE3	1:151:A:ILE:HD13	13	0.18
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	3	0.18
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	17	0.18
(1,223)	1:95:A:ARG:HD3	1:95:A:ARG:HG3	2	0.18
(1,223)	1:95:A:ARG:HD3	1:95:A:ARG:HG3	3	0.18
(1,222)	1:95:A:ARG:HD3	1:95:A:ARG:HB3	13	0.18
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	12	0.18
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	3	0.18
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	15	0.18
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	19	0.18
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	9	0.18
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD23	8	0.18
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	7	0.18
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	12	0.18
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	14	0.18
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	17	0.18
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	20	0.18
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG11	20	0.18
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	6	0.18
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	5	0.18
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	6	0.18
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	12	0.18
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	16	0.18
(1,20)	1:106:A:THR:HB	1:109:A:LEU:HB3	20	0.18
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	7	0.18
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	11	0.18
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	14	0.18
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	8	0.17
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	8	0.17
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	8	0.17
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	8	0.17
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	8	0.17
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	8	0.17
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	8	0.17
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	8	0.17
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	8	0.17
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	17	0.17
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	8	0.17
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	8	0.17
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	8	0.17
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	8	0.17
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	8	0.17
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	8	0.17
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	8	0.17
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	8	0.17
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	17	0.17
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	4	0.17
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	14	0.17
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	16	0.17
(1,5120)	1:14:A:GLU:H	1:13:A:VAL:HA	6	0.17
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	19	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	2	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	4	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	6	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	17	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	18	0.17
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	20	0.17
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	1	0.17
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	3	0.17
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	5	0.17
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	8	0.17
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	17	0.17
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	1	0.17
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	11	0.17
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	14	0.17
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	16	0.17
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	3	0.17
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	15	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	1	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	4	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	7	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	9	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	13	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	16	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	17	0.17
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	18	0.17
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	7	0.17
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	11	0.17
(1,4982)	1:76:A:LEU:H	1:77:A:GLY:HA2	15	0.17
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	8	0.17
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	6	0.17
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	13	0.17
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	15	0.17
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	3	0.17
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	6	0.17
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	16	0.17
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	18	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	3	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	10	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	11	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	15	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	17	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	18	0.17
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	19	0.17
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	1	0.17
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB2	2	0.17
(1,4859)	1:74:A:LYS:H	1:71:A:MET:HG2	20	0.17
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	3	0.17
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	5	0.17
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	9	0.17
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	15	0.17
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	16	0.17
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	4	0.17
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	11	0.17
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	14	0.17
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	15	0.17
(1,4784)	1:124:A:ALA:H	1:125:A:GLN:HB2	6	0.17
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG22	20	0.17
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	2	0.17
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	8	0.17
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB2	1	0.17
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	10	0.17
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	2	0.17
(1,4751)	1:90:A:ASP:H	1:89:A:VAL:HB	15	0.17
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	3	0.17
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	4	0.17
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	10	0.17
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB1	5	0.17
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	5	0.17
(1,4676)	1:143:A:GLY:H	1:142:A:LEU:HB3	6	0.17
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	4	0.17
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	13	0.17
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	16	0.17
(1,4670)	1:117:A:GLY:H	1:121:A:LEU:HD22	5	0.17
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG22	5	0.17
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	3	0.17
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	16	0.17
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	11	0.17
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG22	20	0.17
(1,4582)	1:96:A:THR:H	1:95:A:ARG:HG3	9	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	2	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	3	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	5	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	6	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	7	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	8	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	9	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	13	0.17
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	20	0.17
(1,4534)	1:144:A:THR:H	1:148:A:ALA:HB3	18	0.17
(1,4515)	1:139:A:GLN:H	1:137:A:SER:HB3	2	0.17
(1,4480)	1:85:A:SER:H	1:76:A:LEU:HD22	11	0.17
(1,4423)	1:91:A:SER:H	1:162:A:TYR:HD1	7	0.17
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	14	0.17
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	16	0.17
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	9	0.17
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	14	0.17
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	16	0.17
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	6	0.17
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	9	0.17
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB2	15	0.17
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	16	0.17
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	12	0.17
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	14	0.17
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	18	0.17
(1,4270)	1:126:A:GLN:H	1:126:A:GLN:HG2	12	0.17
(1,4248)	1:157:A:ALA:H	1:152:A:ALA:HB2	12	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	1	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	4	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	7	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	9	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	12	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	15	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	16	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	19	0.17
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	20	0.17
(1,4198)	1:50:A:ASP:H	1:50:A:ASP:HB2	6	0.17
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	16	0.17
(1,4140)	1:49:A:GLU:H	1:48:A:HIS:HB2	19	0.17
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	4	0.17
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	7	0.17
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	9	0.17
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	14	0.17
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	20	0.17
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	7	0.17
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	1	0.17
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	4	0.17
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	15	0.17
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	16	0.17
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	5	0.17
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	17	0.17
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	18	0.17
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	5	0.17
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	13	0.17
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	13	0.17
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG21	10	0.17
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	1	0.17
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	7	0.17
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	8	0.17
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	9	0.17
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	11	0.17
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	12	0.17
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	16	0.17
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	10	0.17
(1,3902)	1:106:A:THR:HG22	1:106:A:THR:HG1	20	0.17
(1,3894)	1:141:A:SER:HB3	1:142:A:LEU:HG	12	0.17
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	4	0.17
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	7	0.17
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	14	0.17
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	17	0.17
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	8	0.17
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	15	0.17
(1,3769)	1:131:A:LYS:HE3	1:131:A:LYS:H	4	0.17
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	20	0.17
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	2	0.17
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	3	0.17
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	8	0.17
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	16	0.17
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	8	0.17
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	5	0.17
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	18	0.17
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	19	0.17
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	7	0.17
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	11	0.17
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	15	0.17
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	19	0.17
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD11	13	0.17
(1,3661)	1:33:A:VAL:H	1:32:A:THR:HB	2	0.17
(1,3640)	1:180:A:LEU:HD11	1:183:A:THR:HB	3	0.17
(1,3640)	1:180:A:LEU:HD11	1:183:A:THR:HB	8	0.17
(1,3638)	1:128:A:SER:H	1:127:A:LEU:HD21	18	0.17
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB1	6	0.17
(1,3626)	1:105:A:ALA:HB2	1:165:A:ALA:HB2	9	0.17
(1,3625)	1:165:A:ALA:HB3	1:96:A:THR:HG23	10	0.17
(1,3625)	1:165:A:ALA:HB2	1:96:A:THR:HG21	17	0.17
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	18	0.17
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	20	0.17
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD13	3	0.17
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD12	6	0.17
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	8	0.17
(1,3531)	1:105:A:ALA:HB2	1:101:A:ASN:HA	14	0.17
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	2	0.17
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	6	0.17
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	8	0.17
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	13	0.17
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	16	0.17
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB2	5	0.17
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB1	19	0.17
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB3	6	0.17
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB3	10	0.17
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB1	1	0.17
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	4	0.17
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	18	0.17
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	19	0.17
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	5	0.17
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	8	0.17
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB3	14	0.17
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	15	0.17
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	16	0.17
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	9	0.17
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	5	0.17
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE3	16	0.17
(1,3441)	1:174:A:LEU:HD23	1:71:A:MET:HE1	17	0.17
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG13	16	0.17
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG11	19	0.17
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	20	0.17
(1,3433)	1:102:A:ALA:HB2	1:93:A:ASN:HA	18	0.17
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	8	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG22	1	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG23	2	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	3	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	5	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG23	6	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG22	8	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	9	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG23	10	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	11	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	14	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG23	16	0.17
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG22	17	0.17
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB2	1	0.17
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	6	0.17
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB1	10	0.17
(1,3402)	1:114:A:ALA:HA	1:114:A:ALA:HB3	18	0.17
(1,3398)	1:130:A:ALA:HB2	1:130:A:ALA:HA	20	0.17
(1,3387)	1:155:A:VAL:HG23	1:130:A:ALA:HB3	8	0.17
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB2	13	0.17
(1,3387)	1:155:A:VAL:HG23	1:130:A:ALA:HB1	14	0.17
(1,3386)	1:148:A:ALA:HB1	1:160:A:VAL:HG12	5	0.17
(1,3386)	1:148:A:ALA:HB2	1:160:A:VAL:HG12	15	0.17
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	3	0.17
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	12	0.17
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	20	0.17
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	11	0.17
(1,3356)	1:157:A:ALA:HB1	1:126:A:GLN:HE21	6	0.17
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG12	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB3	7	0.17
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG12	1	0.17
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG11	12	0.17
(1,3312)	1:92:A:VAL:HG13	1:105:A:ALA:HB1	7	0.17
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB1	12	0.17
(1,3299)	1:193:A:ALA:H	1:193:A:ALA:HB3	12	0.17
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	3	0.17
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	2	0.17
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	4	0.17
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	13	0.17
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	17	0.17
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	13	0.17
(1,3180)	1:90:A:ASP:HA	1:127:A:LEU:HD12	20	0.17
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	1	0.17
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	7	0.17
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	1	0.17
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	1	0.17
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	13	0.17
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	17	0.17
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	15	0.17
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	4	0.17
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	10	0.17
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	16	0.17
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	12	0.17
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	7	0.17
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	18	0.17
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	19	0.17
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	2	0.17
(1,2931)	1:61:A:HIS:HA	1:62:A:TYR:HB2	16	0.17
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	6	0.17
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	7	0.17
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	9	0.17
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	17	0.17
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	19	0.17
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG23	3	0.17
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	4	0.17
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	12	0.17
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	15	0.17
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	9	0.17
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG13	16	0.17
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	17	0.17
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	4	0.17
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	3	0.17
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	1	0.17
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	14	0.17
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	19	0.17
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	20	0.17
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	8	0.17
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	17	0.17
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	18	0.17
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG22	12	0.17
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	15	0.17
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	19	0.17
(1,2735)	1:52:A:THR:HB	1:52:A:THR:HG23	20	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	8	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG22	13	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	16	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	18	0.17
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	19	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	3	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	9	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	10	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	14	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	15	0.17
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	19	0.17
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG22	3	0.17
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG22	19	0.17
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	20	0.17
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD12	20	0.17
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD22	7	0.17
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD23	10	0.17
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	16	0.17
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	17	0.17
(1,2602)	1:178:A:LEU:HD11	1:188:A:TRP:HZ3	11	0.17
(1,2557)	1:110:A:ARG:HA	1:113:A:LEU:HD21	20	0.17
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	12	0.17
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	15	0.17
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD11	17	0.17
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	3	0.17
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	7	0.17
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	18	0.17
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	5	0.17
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	3	0.17
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD23	5	0.17
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD23	16	0.17
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	3	0.17
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	6	0.17
(1,2419)	1:158:A:HIS:H	1:86:A:VAL:HB	8	0.17
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	18	0.17
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	1	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	3	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	5	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	9	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	10	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	11	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	12	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	15	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	16	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	17	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	18	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	19	0.17
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	20	0.17
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	13	0.17
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	19	0.17
(1,2243)	1:170:A:ASN:HB2	1:171:A:ALA:HB3	10	0.17
(1,2243)	1:170:A:ASN:HB2	1:171:A:ALA:HB1	19	0.17
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD12	9	0.17
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG23	15	0.17
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG22	1	0.17
(1,2109)	1:61:A:HIS:H	1:60:A:ARG:HD2	2	0.17
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	18	0.17
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	19	0.17
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	2	0.17
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	14	0.17
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	16	0.17
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	9	0.17
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD13	10	0.17
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD13	18	0.17
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	20	0.17
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD12	3	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	2	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	5	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	6	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	8	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	12	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	14	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	15	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	16	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	17	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	18	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	19	0.17
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	20	0.17
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG12	1	0.17
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG11	5	0.17
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	14	0.17
(1,1816)	1:191:A:LYS:HA	1:192:A:GLY:HA2	19	0.17
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	1	0.17
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	4	0.17
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	5	0.17
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB2	6	0.17
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	7	0.17
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB1	12	0.17
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	12	0.17
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	12	0.17
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	17	0.17
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	18	0.17
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	12	0.17
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	17	0.17
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	5	0.17
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	16	0.17
(1,1572)	1:85:A:SER:HB3	1:81:A:VAL:HG22	5	0.17
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	1	0.17
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	2	0.17
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	3	0.17
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	6	0.17
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	10	0.17
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	15	0.17
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	7	0.17
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	16	0.17
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	17	0.17
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	18	0.17
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	20	0.17
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	8	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	1	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	3	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	8	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	9	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	12	0.17
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	15	0.17
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	15	0.17
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	20	0.17
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	9	0.17
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	3	0.17
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	15	0.17
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	18	0.17
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	19	0.17
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	9	0.17
(1,1449)	1:144:A:THR:HB	1:147:A:LYS:HE2	14	0.17
(1,1439)	1:178:A:LEU:HD13	1:159:A:TYR:HD2	1	0.17
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	6	0.17
(1,1435)	1:100:A:LEU:HD22	1:62:A:TYR:HD2	16	0.17
(1,1435)	1:100:A:LEU:HD23	1:62:A:TYR:HD2	17	0.17
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	8	0.17
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	11	0.17
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	13	0.17
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	15	0.17
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	18	0.17
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	11	0.17
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	4	0.17
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	10	0.17
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	1	0.17
(1,1382)	1:87:A:LEU:HD12	1:119:A:PHE:HD2	11	0.17
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	14	0.17
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	17	0.17
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	18	0.17
(1,1327)	1:148:A:ALA:HB2	1:162:A:TYR:HE2	17	0.17
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	14	0.17
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	10	0.17
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	10	0.17
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	13	0.17
(1,1282)	1:197:A:GLN:HE22	1:197:A:GLN:HG3	8	0.17
(1,1270)	1:13:A:VAL:H	1:12:A:PRO:HB2	1	0.17
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	2	0.17
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	17	0.17
(1,1194)	1:62:A:TYR:H	1:197:A:GLN:HG3	8	0.17
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG23	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	1	0.17
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	19	0.17
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	5	0.17
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	9	0.17
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	15	0.17
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB3	9	0.17
(1,1121)	1:192:A:GLY:H	1:176:A:MET:HG2	1	0.17
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	6	0.17
(1,1103)	1:144:A:THR:H	1:144:A:THR:HA	13	0.17
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	13	0.17
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	15	0.17
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	16	0.17
(1,1080)	1:32:A:THR:H	1:32:A:THR:HB	3	0.17
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	8	0.17
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	14	0.17
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	19	0.17
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	7	0.17
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	9	0.17
(1,1008)	1:7:A:GLN:H	1:6:A:GLY:HA3	5	0.17
(1,1006)	1:126:A:GLN:H	1:126:A:GLN:HB2	15	0.17
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	5	0.17
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	13	0.17
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	9	0.17
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	11	0.17
(1,979)	1:100:A:LEU:H	1:100:A:LEU:HD12	19	0.17
(1,978)	1:176:A:MET:H	1:71:A:MET:HE1	5	0.17
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	2	0.17
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	5	0.17
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	3	0.17
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	10	0.17
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	2	0.17
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	6	0.17
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	19	0.17
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	20	0.17
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG11	9	0.17
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	7	0.17
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	17	0.17
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	5	0.17
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	9	0.17
(1,885)	1:72:A:VAL:HG22	1:71:A:MET:HB2	11	0.17
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	7	0.17
(1,863)	1:173:A:THR:HB	1:167:A:GLY:HA3	20	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:75:A:MET:HB2	1:81:A:VAL:HG11	4	0.17
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD2	12	0.17
(1,840)	1:129:A:MET:HB2	1:129:A:MET:HG2	1	0.17
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	19	0.17
(1,797)	1:142:A:LEU:HD12	1:142:A:LEU:HG	15	0.17
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	10	0.17
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	15	0.17
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	3	0.17
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	6	0.17
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	13	0.17
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	3	0.17
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB1	16	0.17
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	5	0.17
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	20	0.17
(1,711)	1:81:A:VAL:HG22	1:78:A:ALA:H	13	0.17
(1,711)	1:81:A:VAL:HG23	1:78:A:ALA:H	17	0.17
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	6	0.17
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	7	0.17
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	13	0.17
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	15	0.17
(1,662)	1:44:A:GLY:H	1:43:A:PRO:HB3	9	0.17
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	9	0.17
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	10	0.17
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	6	0.17
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	9	0.17
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	11	0.17
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	15	0.17
(1,629)	1:132:A:GLN:H	1:136:A:LEU:HB3	15	0.17
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	15	0.17
(1,582)	1:112:A:ALA:HA	1:72:A:VAL:HG22	2	0.17
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	1	0.17
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	2	0.17
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	3	0.17
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	7	0.17
(1,559)	1:197:A:GLN:HA	1:62:A:TYR:HA	2	0.17
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	2	0.17
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	6	0.17
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	13	0.17
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	16	0.17
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	11	0.17
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	9	0.17
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	6	0.17
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	9	0.17
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	11	0.17
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG23	3	0.17
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG22	13	0.17
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	8	0.17
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	9	0.17
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	15	0.17
(1,529)	1:148:A:ALA:H	1:146:A:SER:HB3	10	0.17
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	2	0.17
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	1	0.17
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	8	0.17
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	13	0.17
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	3	0.17
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	9	0.17
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	17	0.17
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	20	0.17
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	2	0.17
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG22	3	0.17
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	9	0.17
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD11	6	0.17
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	13	0.17
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	2	0.17
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	7	0.17
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	11	0.17
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	15	0.17
(1,364)	1:176:A:MET:HG2	1:174:A:LEU:HD22	14	0.17
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	4	0.17
(1,356)	1:172:A:PRO:HB2	1:62:A:TYR:HE2	2	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	1	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	3	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	4	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	6	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	7	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	8	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	9	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	10	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	11	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	12	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	13	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	14	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	16	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	18	0.17
(1,353)	1:172:A:PRO:HB2	1:172:A:PRO:HD2	20	0.17
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	11	0.17
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	2	0.17
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	4	0.17
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	6	0.17
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	8	0.17
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	17	0.17
(1,316)	1:97:A:ASN:HB2	1:169:A:VAL:HG11	19	0.17
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	5	0.17
(1,291)	1:65:A:ASN:HA	1:65:A:ASN:HB2	20	0.17
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	10	0.17
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	18	0.17
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB2	18	0.17
(1,247)	1:131:A:LYS:HE3	1:136:A:LEU:HB3	19	0.17
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	14	0.17
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	6	0.17
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	4	0.17
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	17	0.17
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	4	0.17
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	1	0.17
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	8	0.17
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	14	0.17
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	8	0.17
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	18	0.17
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	19	0.17
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	5	0.17
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	2	0.17
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	16	0.17
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	20	0.17
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD23	17	0.17
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	8	0.17
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	2	0.17
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	4	0.17
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	8	0.17
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD3	16	0.17
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	10	0.17
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	12	0.17
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	15	0.17
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	3	0.16
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	10	0.16
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	10	0.16
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	10	0.16
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	10	0.16
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	10	0.16
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	10	0.16
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	10	0.16
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	10	0.16
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	14	0.16
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	14	0.16
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	14	0.16
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	6	0.16
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	9	0.16
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	18	0.16
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	3	0.16
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	10	0.16
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	10	0.16
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	10	0.16
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	10	0.16
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	10	0.16
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	10	0.16
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	10	0.16
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	10	0.16
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	10	0.16
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	14	0.16
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	14	0.16
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	14	0.16
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	6	0.16
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	9	0.16
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	18	0.16
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	15	0.16
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	17	0.16
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	20	0.16
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	15	0.16
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	7	0.16
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	8	0.16
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	10	0.16
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	13	0.16
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	17	0.16
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	8	0.16
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	14	0.16
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	3	0.16
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	14	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	9	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	10	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	11	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	12	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	15	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	18	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	19	0.16
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	20	0.16
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	4	0.16
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	9	0.16
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	13	0.16
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	17	0.16
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	19	0.16
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	20	0.16
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	17	0.16
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	8	0.16
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	10	0.16
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	11	0.16
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	14	0.16
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	5	0.16
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	12	0.16
(1,4941)	1:111:A:ASN:H	1:110:A:ARG:HD2	6	0.16
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	7	0.16
(1,4895)	1:58:A:HIS:H	1:57:A:PRO:HB3	13	0.16
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	8	0.16
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	11	0.16
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	16	0.16
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	17	0.16
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	2	0.16
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	5	0.16
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	12	0.16
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	8	0.16
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	12	0.16
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	5	0.16
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	2	0.16
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	8	0.16
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	17	0.16
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB1	10	0.16
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB2	20	0.16
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	11	0.16
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	8	0.16
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	12	0.16
(1,4824)	1:196:A:GLN:H	1:62:A:TYR:HB3	19	0.16
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	9	0.16
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	10	0.16
(1,4764)	1:93:A:ASN:H	1:105:A:ALA:HB3	11	0.16
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	11	0.16
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	3	0.16
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	8	0.16
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	11	0.16
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	15	0.16
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	9	0.16
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	13	0.16
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB3	10	0.16
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	3	0.16
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	9	0.16
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	17	0.16
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG23	18	0.16
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	14	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	1	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	5	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	7	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	9	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	10	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	11	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	14	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	17	0.16
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	19	0.16
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD23	9	0.16
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	9	0.16
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG22	17	0.16
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	7	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	1	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	4	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	10	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	11	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	12	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	14	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	15	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	16	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	18	0.16
(1,4558)	1:101:A:ASN:HD22	1:101:A:ASN:HB3	19	0.16
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	17	0.16
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	1	0.16
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	11	0.16
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	12	0.16
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	16	0.16
(1,4389)	1:166:A:SER:H	1:174:A:LEU:HA	14	0.16
(1,4337)	1:137:A:SER:H	1:136:A:LEU:HD21	13	0.16
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	11	0.16
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	17	0.16
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	8	0.16
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD21	1	0.16
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	3	0.16
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	10	0.16
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	14	0.16
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	17	0.16
(1,4212)	1:189:A:SER:H	1:188:A:TRP:HB2	18	0.16
(1,4200)	1:50:A:ASP:H	1:49:A:GLU:HB2	6	0.16
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	16	0.16
(1,4140)	1:49:A:GLU:H	1:48:A:HIS:HB2	10	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	1	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	2	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	3	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	5	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	6	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	8	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	10	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	11	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	12	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	13	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	15	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	16	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	17	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	18	0.16
(1,4116)	1:194:A:VAL:H	1:195:A:SER:H	19	0.16
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	1	0.16
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	19	0.16
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	1	0.16
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	17	0.16
(1,4090)	1:186:A:ILE:H	1:185:A:GLU:HG2	17	0.16
(1,4076)	1:122:A:VAL:H	1:121:A:LEU:HB3	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	6	0.16
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	11	0.16
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	17	0.16
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	18	0.16
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	19	0.16
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	3	0.16
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	12	0.16
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	17	0.16
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	9	0.16
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	2	0.16
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	4	0.16
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	5	0.16
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	11	0.16
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	15	0.16
(1,3786)	1:111:A:ASN:HB3	1:111:A:ASN:HD21	20	0.16
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD13	10	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	1	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	6	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	9	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	10	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	12	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	14	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	17	0.16
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	18	0.16
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	6	0.16
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	12	0.16
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	13	0.16
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	19	0.16
(1,3721)	1:182:A:GLN:HG3	1:182:A:GLN:HE22	19	0.16
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	16	0.16
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	17	0.16
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	20	0.16
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	1	0.16
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	3	0.16
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	7	0.16
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	12	0.16
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	19	0.16
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG21	13	0.16
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	10	0.16
(1,3695)	1:35:A:SER:H	1:34:A:PRO:HA	20	0.16
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	8	0.16
(1,3640)	1:180:A:LEU:HD12	1:183:A:THR:HB	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3602)	1:6:A:GLY:HA2	1:5:A:VAL:HG12	6	0.16
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	4	0.16
(1,3581)	1:148:A:ALA:H	1:149:A:ILE:HD13	10	0.16
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	11	0.16
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	12	0.16
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	4	0.16
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	10	0.16
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	11	0.16
(1,3515)	1:113:A:LEU:HD11	1:75:A:MET:HE3	20	0.16
(1,3511)	1:75:A:MET:HE1	1:188:A:TRP:HZ3	20	0.16
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	1	0.16
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	7	0.16
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB1	7	0.16
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB3	14	0.16
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB2	1	0.16
(1,3486)	1:72:A:VAL:HG23	1:112:A:ALA:HB1	15	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	1	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	3	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	4	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	11	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	13	0.16
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB3	18	0.16
(1,3473)	1:103:A:ALA:H	1:103:A:ALA:HB2	20	0.16
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	5	0.16
(1,3465)	1:179:A:MET:HE1	1:184:A:GLY:H	10	0.16
(1,3462)	1:179:A:MET:HE1	1:162:A:TYR:HD2	3	0.16
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	10	0.16
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG13	9	0.16
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG11	13	0.16
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	1	0.16
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	2	0.16
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	3	0.16
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	10	0.16
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	15	0.16
(1,3433)	1:102:A:ALA:HB2	1:93:A:ASN:HA	9	0.16
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG22	4	0.16
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG21	13	0.16
(1,3415)	1:187:A:ILE:HG23	1:159:A:TYR:HE2	1	0.16
(1,3415)	1:187:A:ILE:HG23	1:159:A:TYR:HE2	8	0.16
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	11	0.16
(1,3398)	1:130:A:ALA:HB3	1:130:A:ALA:HA	19	0.16
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB1	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	1:92:A:VAL:HG23	1:68:A:MET:HE1	10	0.16
(1,3380)	1:92:A:VAL:HG21	1:68:A:MET:HE1	11	0.16
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD22	13	0.16
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	16	0.16
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	9	0.16
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD13	19	0.16
(1,3340)	1:92:A:VAL:HG11	1:165:A:ALA:HB3	19	0.16
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG11	2	0.16
(1,3312)	1:92:A:VAL:HG11	1:105:A:ALA:HB2	15	0.16
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB1	14	0.16
(1,3253)	1:174:A:LEU:H	1:173:A:THR:HG22	19	0.16
(1,3226)	1:76:A:LEU:HD23	1:82:A:THR:H	11	0.16
(1,3220)	1:127:A:LEU:HB2	1:127:A:LEU:HD23	19	0.16
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	6	0.16
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	19	0.16
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	12	0.16
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG22	13	0.16
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	2	0.16
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	3	0.16
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	10	0.16
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	11	0.16
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	14	0.16
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	12	0.16
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	17	0.16
(1,3081)	1:191:A:LYS:HA	1:175:A:GLN:HB3	18	0.16
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	2	0.16
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	10	0.16
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	15	0.16
(1,3013)	1:116:A:ASN:HB3	1:76:A:LEU:HD12	20	0.16
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	11	0.16
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	15	0.16
(1,2995)	1:180:A:LEU:HB3	1:159:A:TYR:HD2	20	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	1	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	3	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	4	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	6	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	7	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	9	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	10	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	11	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	12	0.16
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	16	0.16
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	9	0.16
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	12	0.16
(1,2921)	1:100:A:LEU:HA	1:62:A:TYR:HE1	7	0.16
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	5	0.16
(1,2866)	1:123:A:SER:HB3	1:123:A:SER:HA	13	0.16
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	2	0.16
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	6	0.16
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	6	0.16
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	7	0.16
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	14	0.16
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	20	0.16
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	6	0.16
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG13	5	0.16
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	11	0.16
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	5	0.16
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	5	0.16
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	9	0.16
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	13	0.16
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	15	0.16
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	1	0.16
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	17	0.16
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB2	2	0.16
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	10	0.16
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	10	0.16
(1,2766)	1:177:A:GLN:HE22	1:189:A:SER:HB3	18	0.16
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	6	0.16
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	9	0.16
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	11	0.16
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	15	0.16
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	16	0.16
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	2	0.16
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	6	0.16
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	7	0.16
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG22	10	0.16
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG22	11	0.16
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	5	0.16
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	6	0.16
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG12	13	0.16
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	20	0.16
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	2	0.16
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG22	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG22	10	0.16
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	13	0.16
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	15	0.16
(1,2657)	1:76:A:LEU:HD11	1:76:A:LEU:HB3	2	0.16
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD23	9	0.16
(1,2633)	1:159:A:TYR:HB2	1:178:A:LEU:HD23	8	0.16
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	4	0.16
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	1	0.16
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	7	0.16
(1,2554)	1:113:A:LEU:HD22	1:119:A:PHE:HD2	10	0.16
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	15	0.16
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	1	0.16
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	13	0.16
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	16	0.16
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	20	0.16
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	3	0.16
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	2	0.16
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	8	0.16
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD21	20	0.16
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	10	0.16
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	5	0.16
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	9	0.16
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	14	0.16
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	3	0.16
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	16	0.16
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	9	0.16
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	16	0.16
(1,2257)	1:111:A:ASN:HB2	1:111:A:ASN:HA	4	0.16
(1,2243)	1:170:A:ASN:HB2	1:171:A:ALA:HB3	6	0.16
(1,2228)	1:176:A:MET:HB2	1:161:A:LEU:HD11	16	0.16
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG13	19	0.16
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	2	0.16
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	8	0.16
(1,2108)	1:110:A:ARG:HD3	1:89:A:VAL:HG13	11	0.16
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	5	0.16
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	1	0.16
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	2	0.16
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	6	0.16
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	14	0.16
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	16	0.16
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	13	0.16
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	12	0.16
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	14	0.16
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	1	0.16
(1,1866)	1:61:A:HIS:HA	1:61:A:HIS:HB3	10	0.16
(1,1850)	1:179:A:MET:HA	1:187:A:ILE:HG21	8	0.16
(1,1847)	1:88:A:LEU:HA	1:122:A:VAL:HG22	13	0.16
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD11	16	0.16
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	18	0.16
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	6	0.16
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	7	0.16
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	13	0.16
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	4	0.16
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	6	0.16
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	6	0.16
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB3	8	0.16
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	9	0.16
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	18	0.16
(1,1725)	1:163:A:SER:HA	1:176:A:MET:HB2	16	0.16
(1,1678)	1:131:A:LYS:HA	1:131:A:LYS:HE3	4	0.16
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	13	0.16
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	14	0.16
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD22	1	0.16
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	5	0.16
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	13	0.16
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	3	0.16
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	7	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	4	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	5	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	7	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	8	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	11	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	12	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	13	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	14	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	18	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	19	0.16
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	20	0.16
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	8	0.16
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	4	0.16
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	5	0.16
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	10	0.16
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	16	0.16
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	19	0.16
(1,1538)	1:166:A:SER:H	1:166:A:SER:HB3	20	0.16
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	12	0.16
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD11	12	0.16
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	4	0.16
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	6	0.16
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	12	0.16
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	16	0.16
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	1	0.16
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	8	0.16
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	11	0.16
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	12	0.16
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	17	0.16
(1,1458)	1:120:A:THR:HB	1:119:A:PHE:HA	13	0.16
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	6	0.16
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	12	0.16
(1,1449)	1:144:A:THR:HB	1:147:A:LYS:HE2	15	0.16
(1,1439)	1:178:A:LEU:HD11	1:159:A:TYR:HD2	17	0.16
(1,1435)	1:100:A:LEU:HD21	1:62:A:TYR:HD2	15	0.16
(1,1432)	1:178:A:LEU:HD22	1:119:A:PHE:HZ	20	0.16
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG21	10	0.16
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG23	11	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	3	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	5	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	6	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	9	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	12	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	14	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	16	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	17	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	19	0.16
(1,1400)	1:64:A:TRP:HE1	1:64:A:TRP:HH2	20	0.16
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	2	0.16
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	15	0.16
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	5	0.16
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	19	0.16
(1,1393)	1:162:A:TYR:H	1:162:A:TYR:HD2	18	0.16
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	4	0.16
(1,1370)	1:119:A:PHE:HE1	1:159:A:TYR:HB2	5	0.16
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	13	0.16
(1,1326)	1:179:A:MET:HE2	1:162:A:TYR:HE2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	14	0.16
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD23	1	0.16
(1,1262)	1:177:A:GLN:HE22	1:189:A:SER:HB3	9	0.16
(1,1258)	1:69:A:GLN:HE21	1:72:A:VAL:HG21	14	0.16
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	5	0.16
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	5	0.16
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	6	0.16
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	16	0.16
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	20	0.16
(1,1179)	1:64:A:TRP:H	1:197:A:GLN:HE21	6	0.16
(1,1179)	1:64:A:TRP:H	1:61:A:HIS:HD2	15	0.16
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG22	16	0.16
(1,1176)	1:124:A:ALA:H	1:125:A:GLN:HE21	20	0.16
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	2	0.16
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	3	0.16
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB1	13	0.16
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD13	20	0.16
(1,1100)	1:170:A:ASN:HD22	1:60:A:ARG:HE	19	0.16
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	20	0.16
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	5	0.16
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	11	0.16
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB1	1	0.16
(1,1087)	1:128:A:SER:H	1:124:A:ALA:HB2	16	0.16
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	5	0.16
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	10	0.16
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	15	0.16
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	16	0.16
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	18	0.16
(1,1061)	1:153:A:ARG:H	1:154:A:ASN:HB3	19	0.16
(1,1052)	1:111:A:ASN:H	1:107:A:GLU:HG3	4	0.16
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	16	0.16
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	19	0.16
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD21	4	0.16
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	20	0.16
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	11	0.16
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	14	0.16
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	1	0.16
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	11	0.16
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	14	0.16
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	16	0.16
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	5	0.16
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	8	0.16
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	4	0.16
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	5	0.16
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	17	0.16
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	1	0.16
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	5	0.16
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	16	0.16
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD21	10	0.16
(1,937)	1:169:A:VAL:H	1:168:A:ASN:HB3	3	0.16
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	17	0.16
(1,903)	1:162:A:TYR:H	1:188:A:TRP:HZ3	12	0.16
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	15	0.16
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	19	0.16
(1,890)	1:191:A:LYS:HE3	1:175:A:GLN:HG3	11	0.16
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	16	0.16
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	17	0.16
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	19	0.16
(1,879)	1:58:A:HIS:HB3	1:57:A:PRO:HA	10	0.16
(1,868)	1:125:A:GLN:HB2	1:123:A:SER:HB3	5	0.16
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	20	0.16
(1,823)	1:151:A:ILE:HD13	1:147:A:LYS:HB3	14	0.16
(1,812)	1:44:A:GLY:HA3	1:45:A:PRO:HG2	7	0.16
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	20	0.16
(1,797)	1:142:A:LEU:HD11	1:142:A:LEU:HG	20	0.16
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	13	0.16
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB3	4	0.16
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB2	14	0.16
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	18	0.16
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	4	0.16
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	19	0.16
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	5	0.16
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	10	0.16
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	18	0.16
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	18	0.16
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	11	0.16
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG22	9	0.16
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	17	0.16
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD21	8	0.16
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB2	17	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	1	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	3	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	10	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	11	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	13	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	14	0.16
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	17	0.16
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB2	9	0.16
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB1	13	0.16
(1,551)	1:74:A:LYS:HE3	1:74:A:LYS:HA	2	0.16
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	13	0.16
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	19	0.16
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	12	0.16
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	13	0.16
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	18	0.16
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	12	0.16
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	19	0.16
(1,508)	1:85:A:SER:HB3	1:86:A:VAL:HA	20	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	4	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	7	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	9	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	11	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	14	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	16	0.16
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	19	0.16
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	5	0.16
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	8	0.16
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	11	0.16
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	12	0.16
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	15	0.16
(1,437)	1:178:A:LEU:HD11	1:188:A:TRP:HA	8	0.16
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	4	0.16
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	3	0.16
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	5	0.16
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	8	0.16
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	12	0.16
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	13	0.16
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	17	0.16
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	18	0.16
(1,368)	1:176:A:MET:HG3	1:174:A:LEU:HD12	7	0.16
(1,368)	1:176:A:MET:HG3	1:174:A:LEU:HD12	19	0.16
(1,331)	1:49:A:GLU:HG3	1:49:A:GLU:HB2	15	0.16
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	17	0.16
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	19	0.16
(1,310)	1:146:A:SER:HB3	1:149:A:ILE:HB	16	0.16
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	15	0.16
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	9	0.16
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	7	0.16
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	9	0.16
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	19	0.16
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	1	0.16
(1,251)	1:131:A:LYS:HE2	1:142:A:LEU:HA	8	0.16
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	7	0.16
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	18	0.16
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	9	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	4	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	5	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	7	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	12	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	15	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	17	0.16
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	18	0.16
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	3	0.16
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	17	0.16
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	15	0.16
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	11	0.16
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD11	12	0.16
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	3	0.16
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	18	0.16
(1,68)	1:73:A:SER:HB2	1:72:A:VAL:HB	2	0.16
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	12	0.16
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	4	0.16
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	14	0.16
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	3	0.16
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD3	20	0.16
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	18	0.16
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	7	0.15
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	4	0.15
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	4	0.15
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	4	0.15
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	4	0.15
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	4	0.15
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	4	0.15
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	4	0.15
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	4	0.15
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	19	0.15
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	19	0.15
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	19	0.15
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	19	0.15
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	19	0.15
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	19	0.15
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	19	0.15
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	19	0.15
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	19	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	2	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	3	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	5	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	7	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	10	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	11	0.15
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	15	0.15
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	7	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	4	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	4	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	4	0.15
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	4	0.15
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	4	0.15
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	4	0.15
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	4	0.15
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	4	0.15
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	4	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	19	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	19	0.15
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	19	0.15
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	19	0.15
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	19	0.15
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	19	0.15
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	19	0.15
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	19	0.15
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	19	0.15
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	2	0.15
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	3	0.15
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	5	0.15
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	7	0.15
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	10	0.15
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	15	0.15
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	2	0.15
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	9	0.15
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	18	0.15
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	2	0.15
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	3	0.15
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	9	0.15
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	11	0.15
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	18	0.15
(1,5098)	1:33:A:VAL:H	1:32:A:THR:HA	2	0.15
(1,5083)	1:9:A:GLU:H	1:8:A:ARG:HA	3	0.15
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	4	0.15
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	9	0.15
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	18	0.15
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	7	0.15
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	12	0.15
(1,5066)	1:44:A:GLY:H	1:44:A:GLY:HA3	4	0.15
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD11	10	0.15
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	14	0.15
(1,5052)	1:177:A:GLN:HE22	1:186:A:ILE:HD11	7	0.15
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	8	0.15
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	12	0.15
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	19	0.15
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	15	0.15
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	1	0.15
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	3	0.15
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	8	0.15
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	14	0.15
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	16	0.15
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	17	0.15
(1,4969)	1:159:A:TYR:H	1:152:A:ALA:HB1	11	0.15
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	1	0.15
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	4	0.15
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	1	0.15
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	4	0.15
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	7	0.15
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	20	0.15
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	1	0.15
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	6	0.15
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	8	0.15
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	14	0.15
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	5	0.15
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	9	0.15
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	10	0.15
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	13	0.15
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	18	0.15
(1,4822)	1:36:A:VAL:H	1:35:A:SER:HA	9	0.15
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG22	6	0.15
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	18	0.15
(1,4760)	1:197:A:GLN:H	1:61:A:HIS:HA	7	0.15
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	5	0.15
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	13	0.15
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	3	0.15
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	13	0.15
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	17	0.15
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	1	0.15
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	2	0.15
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	5	0.15
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	11	0.15
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG21	3	0.15
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG22	16	0.15
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	7	0.15
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	8	0.15
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	6	0.15
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	8	0.15
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	13	0.15
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	15	0.15
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD22	17	0.15
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	7	0.15
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG22	16	0.15
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	6	0.15
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	9	0.15
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	11	0.15
(1,4423)	1:91:A:SER:H	1:162:A:TYR:HD1	14	0.15
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	10	0.15
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	11	0.15
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	13	0.15
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	7	0.15
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	17	0.15
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	18	0.15
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	1	0.15
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	2	0.15
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	11	0.15
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	8	0.15
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	15	0.15
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB2	12	0.15
(1,4336)	1:137:A:SER:H	1:136:A:LEU:HB3	2	0.15
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	20	0.15
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	1	0.15
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	5	0.15
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	9	0.15
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	12	0.15
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	18	0.15
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	1	0.15
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	10	0.15
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	18	0.15
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG22	4	0.15
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	9	0.15
(1,4225)	1:51:A:GLN:H	1:50:A:ASP:HA	10	0.15
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	2	0.15
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	7	0.15
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	5	0.15
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	11	0.15
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	9	0.15
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	15	0.15
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	17	0.15
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	20	0.15
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	3	0.15
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	6	0.15
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	13	0.15
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	14	0.15
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	20	0.15
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	9	0.15
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	8	0.15
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	13	0.15
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	11	0.15
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	8	0.15
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	16	0.15
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	15	0.15
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	19	0.15
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	9	0.15
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	14	0.15
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	17	0.15
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	19	0.15
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	2	0.15
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB3	9	0.15
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	2	0.15
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	3	0.15
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	16	0.15
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD22	19	0.15
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG22	1	0.15
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	4	0.15
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	6	0.15
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	14	0.15
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	15	0.15
(1,3868)	1:49:A:GLU:HB2	1:49:A:GLU:HA	10	0.15
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	12	0.15
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	7	0.15
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	7	0.15
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	8	0.15
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	14	0.15
(1,3726)	1:177:A:GLN:HG2	1:177:A:GLN:HE22	4	0.15
(1,3726)	1:177:A:GLN:HG2	1:177:A:GLN:HE22	6	0.15
(1,3726)	1:177:A:GLN:HG2	1:177:A:GLN:HE22	7	0.15
(1,3726)	1:177:A:GLN:HG2	1:177:A:GLN:HE22	13	0.15
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	7	0.15
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	4	0.15
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	9	0.15
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	1	0.15
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	8	0.15
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG22	18	0.15
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	4	0.15
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	17	0.15
(1,3691)	1:180:A:LEU:H	1:186:A:ILE:HD13	1	0.15
(1,3660)	1:52:A:THR:HA	1:52:A:THR:HG22	5	0.15
(1,3640)	1:180:A:LEU:HD13	1:183:A:THR:HB	2	0.15
(1,3640)	1:180:A:LEU:HD13	1:183:A:THR:HB	14	0.15
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB2	8	0.15
(1,3625)	1:165:A:ALA:HB1	1:96:A:THR:HG21	13	0.15
(1,3563)	1:187:A:ILE:HD11	1:178:A:LEU:H	17	0.15
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	11	0.15
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	5	0.15
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	15	0.15
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB3	16	0.15
(1,3486)	1:72:A:VAL:HG21	1:112:A:ALA:HB1	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3481)	1:112:A:ALA:HA	1:112:A:ALA:HB2	20	0.15
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB3	6	0.15
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	9	0.15
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	12	0.15
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	19	0.15
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB2	20	0.15
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE1	5	0.15
(1,3462)	1:179:A:MET:HE2	1:162:A:TYR:HD2	10	0.15
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	1	0.15
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	7	0.15
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG11	6	0.15
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG12	12	0.15
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG12	15	0.15
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG13	17	0.15
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG13	18	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	6	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	9	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB2	11	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	12	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	13	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	14	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	17	0.15
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	18	0.15
(1,3433)	1:102:A:ALA:HB3	1:93:A:ASN:HA	5	0.15
(1,3418)	1:187:A:ILE:HB	1:187:A:ILE:HG22	19	0.15
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB1	13	0.15
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB1	17	0.15
(1,3380)	1:92:A:VAL:HG23	1:68:A:MET:HE1	1	0.15
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	2	0.15
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD21	5	0.15
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	3	0.15
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	9	0.15
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	10	0.15
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	10	0.15
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	13	0.15
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	6	0.15
(1,3356)	1:157:A:ALA:HB1	1:126:A:GLN:HE21	20	0.15
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD12	5	0.15
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD13	10	0.15
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD12	14	0.15
(1,3340)	1:92:A:VAL:HG11	1:165:A:ALA:HB2	9	0.15
(1,3336)	1:105:A:ALA:H	1:92:A:VAL:HG13	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	13	0.15
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB3	3	0.15
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB2	19	0.15
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	2	0.15
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	5	0.15
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG22	18	0.15
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG22	2	0.15
(1,3226)	1:76:A:LEU:HD21	1:82:A:THR:H	1	0.15
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	7	0.15
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	14	0.15
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	16	0.15
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	4	0.15
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	10	0.15
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD11	2	0.15
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD12	4	0.15
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD13	5	0.15
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD13	6	0.15
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD11	10	0.15
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD13	17	0.15
(1,3160)	1:109:A:LEU:HD11	1:87:A:LEU:HD13	7	0.15
(1,3152)	1:153:A:ARG:HG2	1:181:A:VAL:HG21	19	0.15
(1,3133)	1:95:A:ARG:HG2	1:94:A:ASN:HA	20	0.15
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	4	0.15
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	8	0.15
(1,3055)	1:175:A:GLN:HG2	1:191:A:LYS:HB2	4	0.15
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	5	0.15
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	13	0.15
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	14	0.15
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	17	0.15
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	20	0.15
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	1	0.15
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	2	0.15
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	3	0.15
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	11	0.15
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	15	0.15
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	11	0.15
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	16	0.15
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	13	0.15
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	1	0.15
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	8	0.15
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	13	0.15
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	12	0.15
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	16	0.15
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	1	0.15
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	6	0.15
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	12	0.15
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	17	0.15
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	20	0.15
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	3	0.15
(1,2811)	1:166:A:SER:HB3	1:96:A:THR:HA	7	0.15
(1,2811)	1:166:A:SER:HB3	1:96:A:THR:HA	14	0.15
(1,2811)	1:166:A:SER:HB3	1:96:A:THR:HA	17	0.15
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG12	7	0.15
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	7	0.15
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	14	0.15
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	9	0.15
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	1	0.15
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	3	0.15
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	7	0.15
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	7	0.15
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	2	0.15
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	5	0.15
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	10	0.15
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	18	0.15
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	10	0.15
(1,2738)	1:52:A:THR:HB	1:53:A:ALA:H	10	0.15
(1,2736)	1:52:A:THR:HB	1:53:A:ALA:HB1	13	0.15
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG13	12	0.15
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	18	0.15
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG23	6	0.15
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	8	0.15
(1,2702)	1:183:A:THR:H	1:183:A:THR:HG23	12	0.15
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	7	0.15
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	14	0.15
(1,2673)	1:92:A:VAL:H	1:106:A:THR:HG22	2	0.15
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD12	3	0.15
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	7	0.15
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	11	0.15
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	16	0.15
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD21	14	0.15
(1,2656)	1:76:A:LEU:HD11	1:76:A:LEU:HD23	18	0.15
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	9	0.15
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2628)	1:100:A:LEU:HB2	1:100:A:LEU:HD11	19	0.15
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	5	0.15
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	10	0.15
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	11	0.15
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	19	0.15
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	10	0.15
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	3	0.15
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD13	4	0.15
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	9	0.15
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	9	0.15
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	15	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	3	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	6	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	7	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	8	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	12	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	16	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	18	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	19	0.15
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	20	0.15
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	1	0.15
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB3	5	0.15
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	7	0.15
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	4	0.15
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	12	0.15
(1,2223)	1:187:A:ILE:HB	1:178:A:LEU:HD21	2	0.15
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	6	0.15
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	8	0.15
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	12	0.15
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG13	15	0.15
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	17	0.15
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG12	18	0.15
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	16	0.15
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG22	13	0.15
(1,2142)	1:131:A:LYS:HE2	1:127:A:LEU:HG	8	0.15
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD13	16	0.15
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	2	0.15
(1,2068)	1:174:A:LEU:HB2	1:194:A:VAL:HG23	14	0.15
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG22	12	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	4	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	8	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	10	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	11	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	12	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	13	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	15	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	17	0.15
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	19	0.15
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	15	0.15
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	20	0.15
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	10	0.15
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	16	0.15
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	17	0.15
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	19	0.15
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG13	4	0.15
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG11	14	0.15
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD11	6	0.15
(1,1804)	1:124:A:ALA:HA	1:124:A:ALA:HB3	2	0.15
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	9	0.15
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	15	0.15
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	2	0.15
(1,1736)	1:118:A:LYS:HA	1:118:A:LYS:HG2	5	0.15
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB1	19	0.15
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	1	0.15
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	10	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	1	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	3	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	4	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	5	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	6	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	7	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	12	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	13	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	18	0.15
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	19	0.15
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD23	12	0.15
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	20	0.15
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	3	0.15
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	13	0.15
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	9	0.15
(1,1558)	1:70:A:PRO:HA	1:70:A:PRO:HB2	17	0.15
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	10	0.15
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	7	0.15
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	9	0.15
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	13	0.15
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	20	0.15
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD11	6	0.15
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG21	18	0.15
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG22	20	0.15
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	2	0.15
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	4	0.15
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	4	0.15
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	5	0.15
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	13	0.15
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	20	0.15
(1,1435)	1:100:A:LEU:HD21	1:62:A:TYR:HD2	19	0.15
(1,1435)	1:100:A:LEU:HD23	1:62:A:TYR:HD2	20	0.15
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG21	2	0.15
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	1	0.15
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	3	0.15
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	13	0.15
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	9	0.15
(1,1367)	1:76:A:LEU:HD12	1:119:A:PHE:HE2	17	0.15
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	7	0.15
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	12	0.15
(1,1348)	1:105:A:ALA:HB1	1:64:A:TRP:HH2	15	0.15
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	12	0.15
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	8	0.15
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	15	0.15
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	16	0.15
(1,1223)	1:6:A:GLY:H	1:5:A:VAL:HG11	9	0.15
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	11	0.15
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	14	0.15
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	18	0.15
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	17	0.15
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	10	0.15
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	19	0.15
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	4	0.15
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	4	0.15
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	3	0.15
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	10	0.15
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	3	0.15
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB3	2	0.15
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB2	16	0.15
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB3	2	0.15
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	4	0.15
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	14	0.15
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	1	0.15
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	10	0.15
(1,1081)	1:38:A:THR:H	1:38:A:THR:HG23	3	0.15
(1,1074)	1:71:A:MET:H	1:68:A:MET:HA	9	0.15
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	3	0.15
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	5	0.15
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	7	0.15
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	9	0.15
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	13	0.15
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	5	0.15
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	9	0.15
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	10	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	2	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	8	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	10	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	13	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	14	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	15	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	17	0.15
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	18	0.15
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	1	0.15
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	13	0.15
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	16	0.15
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	4	0.15
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	9	0.15
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	17	0.15
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	19	0.15
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	20	0.15
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	1	0.15
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD23	3	0.15
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	6	0.15
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	11	0.15
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	12	0.15
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	15	0.15
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	4	0.15
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG13	7	0.15
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG11	18	0.15
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	1	0.15
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	2	0.15
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	3	0.15
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	5	0.15
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	10	0.15
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	13	0.15
(1,879)	1:58:A:HIS:HB2	1:57:A:PRO:HA	16	0.15
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD3	10	0.15
(1,854)	1:87:A:LEU:HA	1:86:A:VAL:HG21	8	0.15
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	10	0.15
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	17	0.15
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	16	0.15
(1,823)	1:151:A:ILE:HD11	1:147:A:LYS:HB3	4	0.15
(1,823)	1:151:A:ILE:HD11	1:147:A:LYS:HB3	11	0.15
(1,822)	1:147:A:LYS:HB3	1:147:A:LYS:HE2	20	0.15
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	18	0.15
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	2	0.15
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	12	0.15
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB1	7	0.15
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	5	0.15
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	9	0.15
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	17	0.15
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	19	0.15
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	6	0.15
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	6	0.15
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	13	0.15
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	8	0.15
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	12	0.15
(1,627)	1:110:A:ARG:HD2	1:89:A:VAL:HG12	13	0.15
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	9	0.15
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	11	0.15
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	20	0.15
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD23	4	0.15
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD21	20	0.15
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB3	8	0.15
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	5	0.15
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	8	0.15
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	14	0.15
(1,574)	1:152:A:ALA:HA	1:151:A:ILE:HB	12	0.15
(1,572)	1:124:A:ALA:HA	1:127:A:LEU:HD22	5	0.15
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	2	0.15
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	5	0.15
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	8	0.15
(1,567)	1:159:A:TYR:HA	1:152:A:ALA:HB3	10	0.15
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	12	0.15
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	4	0.15
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	15	0.15
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	8	0.15
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	10	0.15
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	12	0.15
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	2	0.15
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	5	0.15
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	18	0.15
(1,477)	1:144:A:THR:HB	1:147:A:LYS:HB3	15	0.15
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG23	3	0.15
(1,468)	1:155:A:VAL:HG22	1:130:A:ALA:HB2	11	0.15
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD11	13	0.15
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	9	0.15
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	10	0.15
(1,376)	1:37:A:PRO:HB3	1:37:A:PRO:HA	14	0.15
(1,376)	1:43:A:PRO:HB3	1:43:A:PRO:HA	16	0.15
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	6	0.15
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	2	0.15
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	5	0.15
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	17	0.15
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	10	0.15
(1,336)	1:132:A:GLN:HG3	1:132:A:GLN:HB2	16	0.15
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	2	0.15
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	20	0.15
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	18	0.15
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB2	11	0.15
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	16	0.15
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG21	18	0.15
(1,294)	1:154:A:ASN:HB3	1:151:A:ILE:HG23	20	0.15
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	12	0.15
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	8	0.15
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	7	0.15
(1,270)	1:126:A:GLN:H	1:127:A:LEU:HB2	15	0.15
(1,262)	1:118:A:LYS:HE2	1:82:A:THR:HA	14	0.15
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	13	0.15
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	9	0.15
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	11	0.15
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	4	0.15
(1,205)	1:153:A:ARG:HD2	1:153:A:ARG:HG3	11	0.15
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	14	0.15
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	10	0.15
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	4	0.15
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	17	0.15
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	19	0.15
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	9	0.15
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	15	0.15
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	1	0.15
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	11	0.15
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	18	0.15
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	3	0.15
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	9	0.15
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	10	0.14
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	15	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	1	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	1	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	1	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	1	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	1	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	1	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	1	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	1	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	1	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	2	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	2	0.14
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	2	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	2	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	2	0.14
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	2	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	2	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	2	0.14
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	2	0.14
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	1	0.14
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	4	0.14
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	20	0.14
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	10	0.14
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	15	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	1	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	1	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	1	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	1	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	1	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	1	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	1	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	1	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	2	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	2	0.14
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	2	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	2	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	2	0.14
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	2	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	2	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	2	0.14
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	2	0.14
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	1	0.14
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	4	0.14
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	20	0.14
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	6	0.14
(1,5122)	1:39:A:ILE:H	1:38:A:THR:HA	11	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	1	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	4	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	5	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	6	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	12	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	14	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	15	0.14
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	20	0.14
(1,5083)	1:9:A:GLU:H	1:8:A:ARG:HA	17	0.14
(1,5078)	1:117:A:GLY:H	1:118:A:LYS:HG2	3	0.14
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	9	0.14
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	13	0.14
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	4	0.14
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	2	0.14
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	4	0.14
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	6	0.14
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	7	0.14
(1,5055)	1:177:A:GLN:HE22	1:177:A:GLN:HG3	13	0.14
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	6	0.14
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	7	0.14
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	12	0.14
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	13	0.14
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	16	0.14
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	2	0.14
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	6	0.14
(1,5009)	1:94:A:ASN:H	1:96:A:THR:H	12	0.14
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	4	0.14
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	20	0.14
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	4	0.14
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	6	0.14
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	15	0.14
(1,4951)	1:163:A:SER:H	1:109:A:LEU:HD12	8	0.14
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	8	0.14
(1,4895)	1:58:A:HIS:H	1:57:A:PRO:HB3	10	0.14
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	3	0.14
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	5	0.14
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	9	0.14
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	14	0.14
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	19	0.14
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	10	0.14
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	15	0.14
(1,4883)	1:61:A:HIS:H	1:196:A:GLN:HG3	14	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	3	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	4	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	6	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	7	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	11	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	12	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	15	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	16	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	19	0.14
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	20	0.14
(1,4870)	1:25:A:GLU:H	1:24:A:ALA:HA	5	0.14
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	5	0.14
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	17	0.14
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	1	0.14
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG23	2	0.14
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	12	0.14
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	3	0.14
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	6	0.14
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB1	3	0.14
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	8	0.14
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB1	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	5	0.14
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	13	0.14
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	17	0.14
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	18	0.14
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	20	0.14
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	13	0.14
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	7	0.14
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	16	0.14
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	20	0.14
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	14	0.14
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG23	12	0.14
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	1	0.14
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	11	0.14
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	12	0.14
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	13	0.14
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	18	0.14
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	19	0.14
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	2	0.14
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	4	0.14
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	16	0.14
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	18	0.14
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	20	0.14
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD23	14	0.14
(1,4643)	1:98:A:GLY:H	1:97:A:ASN:HB2	18	0.14
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	2	0.14
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	1	0.14
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	6	0.14
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	11	0.14
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	18	0.14
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	8	0.14
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	12	0.14
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	14	0.14
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	18	0.14
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	19	0.14
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	4	0.14
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	7	0.14
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	3	0.14
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	9	0.14
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	14	0.14
(1,4533)	1:144:A:THR:H	1:147:A:LYS:H	12	0.14
(1,4426)	1:91:A:SER:H	1:91:A:SER:HB2	12	0.14
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	5	0.14
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	8	0.14
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	17	0.14
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	18	0.14
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	19	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	3	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	6	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	9	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	10	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	13	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	14	0.14
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	16	0.14
(1,4411)	1:153:A:ARG:H	1:181:A:VAL:HG21	12	0.14
(1,4401)	1:116:A:ASN:H	1:114:A:ALA:HB1	13	0.14
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	3	0.14
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	2	0.14
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	3	0.14
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	13	0.14
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	19	0.14
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	20	0.14
(1,4354)	1:132:A:GLN:H	1:131:A:LYS:HB3	15	0.14
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	3	0.14
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	4	0.14
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	6	0.14
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	7	0.14
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	11	0.14
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD23	13	0.14
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD22	19	0.14
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD23	16	0.14
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD22	19	0.14
(1,4191)	1:140:A:ASP:H	1:139:A:GLN:HB3	10	0.14
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	8	0.14
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	13	0.14
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	1	0.14
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	5	0.14
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	2	0.14
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	4	0.14
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	16	0.14
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	12	0.14
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	16	0.14
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	7	0.14
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	14	0.14
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	19	0.14
(1,4076)	1:122:A:VAL:H	1:121:A:LEU:HB3	20	0.14
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	9	0.14
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	20	0.14
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	10	0.14
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	11	0.14
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	20	0.14
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	4	0.14
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	6	0.14
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	7	0.14
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	12	0.14
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	20	0.14
(1,3982)	1:53:A:ALA:H	1:52:A:THR:HG22	18	0.14
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB1	14	0.14
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD22	1	0.14
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	4	0.14
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	5	0.14
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	6	0.14
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	10	0.14
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG22	13	0.14
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	19	0.14
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	20	0.14
(1,3873)	1:131:A:LYS:HE3	1:127:A:LEU:HG	8	0.14
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	10	0.14
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	14	0.14
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	18	0.14
(1,3850)	1:182:A:GLN:HG2	1:182:A:GLN:H	19	0.14
(1,3812)	1:160:A:VAL:HG23	1:90:A:ASP:HA	15	0.14
(1,3759)	1:137:A:SER:H	1:136:A:LEU:HD13	16	0.14
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	3	0.14
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	11	0.14
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	12	0.14
(1,3726)	1:177:A:GLN:HG2	1:177:A:GLN:HE22	2	0.14
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	1	0.14
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	4	0.14
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	9	0.14
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	15	0.14
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	5	0.14
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	8	0.14
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	9	0.14
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	16	0.14
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	16	0.14
(1,3705)	1:187:A:ILE:H	1:186:A:ILE:HG22	19	0.14
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	5	0.14
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	12	0.14
(1,3625)	1:165:A:ALA:HB3	1:96:A:THR:HG23	11	0.14
(1,3599)	1:7:A:GLN:H	1:6:A:GLY:HA3	10	0.14
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD11	13	0.14
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD12	20	0.14
(1,3563)	1:187:A:ILE:HD12	1:178:A:LEU:H	15	0.14
(1,3531)	1:105:A:ALA:HB2	1:101:A:ASN:HA	2	0.14
(1,3531)	1:105:A:ALA:HB3	1:101:A:ASN:HA	7	0.14
(1,3531)	1:105:A:ALA:HB3	1:101:A:ASN:HA	18	0.14
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	4	0.14
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	16	0.14
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	19	0.14
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	20	0.14
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	4	0.14
(1,3489)	1:59:A:ILE:HG23	1:59:A:ILE:HG12	9	0.14
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	19	0.14
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	20	0.14
(1,3486)	1:72:A:VAL:HG22	1:112:A:ALA:HB2	2	0.14
(1,3476)	1:104:A:GLU:H	1:103:A:ALA:HB1	7	0.14
(1,3473)	1:103:A:ALA:H	1:103:A:ALA:HB3	18	0.14
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	14	0.14
(1,3465)	1:179:A:MET:HE3	1:184:A:GLY:H	16	0.14
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	3	0.14
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	19	0.14
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG12	5	0.14
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG12	14	0.14
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB2	4	0.14
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB2	5	0.14
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	7	0.14
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB2	16	0.14
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	18	0.14
(1,3415)	1:187:A:ILE:HG23	1:159:A:TYR:HE2	4	0.14
(1,3399)	1:145:A:ARG:HA	1:148:A:ALA:HB1	15	0.14
(1,3398)	1:130:A:ALA:HB1	1:130:A:ALA:HA	12	0.14
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB1	2	0.14
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB1	4	0.14
(1,3378)	1:174:A:LEU:HD22	1:68:A:MET:HE1	14	0.14
(1,3378)	1:174:A:LEU:HD23	1:68:A:MET:HE3	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	8	0.14
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	17	0.14
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	5	0.14
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	15	0.14
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	18	0.14
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD13	1	0.14
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD13	3	0.14
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD11	6	0.14
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG11	3	0.14
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB1	6	0.14
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB1	10	0.14
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG13	19	0.14
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB3	20	0.14
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG21	3	0.14
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG22	13	0.14
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	16	0.14
(1,3234)	1:65:A:ASN:HA	1:108:A:THR:HG23	10	0.14
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	1	0.14
(1,3211)	1:88:A:LEU:HB2	1:88:A:LEU:HD23	10	0.14
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD11	1	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD12	3	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD12	8	0.14
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD11	9	0.14
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD13	11	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD11	14	0.14
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD13	16	0.14
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	16	0.14
(1,3169)	1:181:A:VAL:HG13	1:152:A:ALA:HA	12	0.14
(1,3134)	1:59:A:ILE:HG12	1:58:A:HIS:HA	14	0.14
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	7	0.14
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	20	0.14
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	11	0.14
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	12	0.14
(1,3041)	1:179:A:MET:HB2	1:160:A:VAL:HB	18	0.14
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	9	0.14
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	1	0.14
(1,2993)	1:159:A:TYR:HB3	1:159:A:TYR:HE2	8	0.14
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	4	0.14
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	5	0.14
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	7	0.14
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	10	0.14
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	14	0.14
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	6	0.14
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	20	0.14
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	14	0.14
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	16	0.14
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	18	0.14
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	19	0.14
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	3	0.14
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	7	0.14
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	8	0.14
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	9	0.14
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	11	0.14
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	18	0.14
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	13	0.14
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD21	18	0.14
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	18	0.14
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	4	0.14
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	19	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	4	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	7	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	8	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	10	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	11	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	13	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	14	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	15	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	19	0.14
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	20	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	5	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	13	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	14	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	15	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	16	0.14
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	18	0.14
(1,2825)	1:38:A:THR:HA	1:39:A:ILE:HG12	4	0.14
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	1	0.14
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	9	0.14
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	10	0.14
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	17	0.14
(1,2811)	1:166:A:SER:HB3	1:96:A:THR:HA	4	0.14
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	2	0.14
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG12	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	14	0.14
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	6	0.14
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	19	0.14
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	7	0.14
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	8	0.14
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	14	0.14
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	15	0.14
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	3	0.14
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	16	0.14
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	18	0.14
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	20	0.14
(1,2780)	1:131:A:LYS:H	1:138:A:PRO:HA	15	0.14
(1,2776)	1:131:A:LYS:HE2	1:138:A:PRO:HA	6	0.14
(1,2772)	1:123:A:SER:HB3	1:125:A:GLN:HB3	2	0.14
(1,2768)	1:123:A:SER:HB3	1:123:A:SER:H	18	0.14
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	8	0.14
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	2	0.14
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	11	0.14
(1,2754)	1:163:A:SER:HB2	1:161:A:LEU:HG	18	0.14
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG23	10	0.14
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	12	0.14
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	18	0.14
(1,2702)	1:183:A:THR:H	1:183:A:THR:HG21	18	0.14
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG23	1	0.14
(1,2695)	1:108:A:THR:HA	1:108:A:THR:HG21	2	0.14
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	2	0.14
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	10	0.14
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	13	0.14
(1,2656)	1:76:A:LEU:HD13	1:76:A:LEU:HD23	1	0.14
(1,2609)	1:142:A:LEU:HD22	1:90:A:ASP:HB2	20	0.14
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	9	0.14
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	11	0.14
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	18	0.14
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	19	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	1	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	5	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	6	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	7	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	9	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	14	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	19	0.14
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD11	17	0.14
(1,2491)	1:182:A:GLN:HB2	1:180:A:LEU:HG	7	0.14
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG23	19	0.14
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	17	0.14
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	17	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	1	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	2	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	3	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	4	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	5	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	6	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	7	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	8	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	9	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	10	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	11	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	12	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	13	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	14	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	15	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	16	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	17	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	18	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	19	0.14
(1,2455)	1:179:A:MET:HB3	1:179:A:MET:HG3	20	0.14
(1,2440)	1:188:A:TRP:HB2	1:178:A:LEU:HD22	11	0.14
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	4	0.14
(1,2421)	1:89:A:VAL:H	1:89:A:VAL:HB	14	0.14
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	17	0.14
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	4	0.14
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	11	0.14
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	13	0.14
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	17	0.14
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	6	0.14
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	19	0.14
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD11	10	0.14
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	13	0.14
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	17	0.14
(1,2244)	1:176:A:MET:HB3	1:191:A:LYS:HA	7	0.14
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG11	5	0.14
(1,2213)	1:93:A:ASN:HB2	1:92:A:VAL:HG13	9	0.14
(1,2211)	1:164:A:SER:HB2	1:93:A:ASN:HB2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	1	0.14
(1,2153)	1:90:A:ASP:HB3	1:162:A:TYR:HE1	16	0.14
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	14	0.14
(1,2133)	1:134:A:LEU:HB2	1:133:A:GLN:HB3	13	0.14
(1,2126)	1:134:A:LEU:HB3	1:151:A:ILE:HD12	19	0.14
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	2	0.14
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	16	0.14
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	20	0.14
(1,2118)	1:110:A:ARG:HD2	1:106:A:THR:HG21	14	0.14
(1,2110)	1:60:A:ARG:HD2	1:60:A:ARG:HB3	14	0.14
(1,2054)	1:100:A:LEU:HB2	1:169:A:VAL:HG21	11	0.14
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	3	0.14
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	5	0.14
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	7	0.14
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	20	0.14
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	3	0.14
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	16	0.14
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	7	0.14
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	20	0.14
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	1	0.14
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	8	0.14
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	11	0.14
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	13	0.14
(1,1931)	1:63:A:ASP:HA	1:197:A:GLN:HB3	7	0.14
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD13	3	0.14
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	5	0.14
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	6	0.14
(1,1908)	1:83:A:ALA:HA	1:119:A:PHE:HE1	16	0.14
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG13	2	0.14
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG11	10	0.14
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD12	4	0.14
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	4	0.14
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	5	0.14
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	8	0.14
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	19	0.14
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	5	0.14
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	19	0.14
(1,1740)	1:127:A:LEU:HA	1:127:A:LEU:HG	8	0.14
(1,1729)	1:109:A:LEU:HA	1:112:A:ALA:HB2	17	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	2	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	3	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	5	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	6	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	7	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	8	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	11	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	12	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	13	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	14	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	15	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	17	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	18	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	19	0.14
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	20	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	2	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	8	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	9	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	10	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	11	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	14	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	15	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	16	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	17	0.14
(1,1665)	1:46:A:ILE:HA	1:46:A:ILE:HB	20	0.14
(1,1642)	1:92:A:VAL:HA	1:174:A:LEU:HD12	4	0.14
(1,1642)	1:92:A:VAL:HA	1:174:A:LEU:HD11	12	0.14
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	11	0.14
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	16	0.14
(1,1606)	1:141:A:SER:H	1:141:A:SER:HB2	8	0.14
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	4	0.14
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	14	0.14
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	2	0.14
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	11	0.14
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	19	0.14
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	2	0.14
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	6	0.14
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	10	0.14
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	11	0.14
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	14	0.14
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	15	0.14
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	9	0.14
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	14	0.14
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG22	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1506)	1:106:A:THR:HA	1:89:A:VAL:HG23	10	0.14
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	1	0.14
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	11	0.14
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	1	0.14
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	14	0.14
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	8	0.14
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	12	0.14
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	17	0.14
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	10	0.14
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	16	0.14
(1,1439)	1:178:A:LEU:HD12	1:159:A:TYR:HD2	6	0.14
(1,1439)	1:178:A:LEU:HD12	1:159:A:TYR:HD2	7	0.14
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	8	0.14
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	7	0.14
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	15	0.14
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	6	0.14
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	10	0.14
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	18	0.14
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	2	0.14
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	3	0.14
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	8	0.14
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	16	0.14
(1,1392)	1:158:A:HIS:H	1:159:A:TYR:HD1	16	0.14
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	14	0.14
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	18	0.14
(1,1348)	1:105:A:ALA:HB1	1:64:A:TRP:HH2	9	0.14
(1,1348)	1:105:A:ALA:HB1	1:64:A:TRP:HH2	16	0.14
(1,1348)	1:105:A:ALA:HB2	1:64:A:TRP:HH2	20	0.14
(1,1326)	1:179:A:MET:HE1	1:162:A:TYR:HE2	16	0.14
(1,1297)	1:85:A:SER:HB3	1:119:A:PHE:HD1	9	0.14
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	1	0.14
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD21	5	0.14
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB2	17	0.14
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB2	4	0.14
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	8	0.14
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	7	0.14
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	12	0.14
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	4	0.14
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	14	0.14
(1,1203)	1:177:A:GLN:H	1:188:A:TRP:HZ2	5	0.14
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	2	0.14
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	13	0.14
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	19	0.14
(1,1179)	1:64:A:TRP:H	1:61:A:HIS:HD2	20	0.14
(1,1168)	1:197:A:GLN:H	1:64:A:TRP:HD1	5	0.14
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	12	0.14
(1,1145)	1:77:A:GLY:H	1:74:A:LYS:HB3	12	0.14
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	14	0.14
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	3	0.14
(1,1114)	1:184:A:GLY:H	1:149:A:ILE:HD12	17	0.14
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	3	0.14
(1,1097)	1:139:A:GLN:H	1:131:A:LYS:HD2	14	0.14
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	6	0.14
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	8	0.14
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	9	0.14
(1,1088)	1:128:A:SER:H	1:127:A:LEU:HD23	11	0.14
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	11	0.14
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	2	0.14
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	11	0.14
(1,1064)	1:35:A:SER:H	1:35:A:SER:HA	20	0.14
(1,1049)	1:141:A:SER:H	1:136:A:LEU:HD11	15	0.14
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	2	0.14
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	8	0.14
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	12	0.14
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	13	0.14
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	15	0.14
(1,1037)	1:177:A:GLN:H	1:162:A:TYR:HB2	15	0.14
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	7	0.14
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	12	0.14
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD23	8	0.14
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	19	0.14
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	8	0.14
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	13	0.14
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB2	9	0.14
(1,972)	1:142:A:LEU:H	1:141:A:SER:HB2	10	0.14
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	12	0.14
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	8	0.14
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	18	0.14
(1,924)	1:123:A:SER:H	1:126:A:GLN:HB2	5	0.14
(1,903)	1:162:A:TYR:H	1:188:A:TRP:HZ3	9	0.14
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	5	0.14
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	15	0.14
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	1	0.14
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	4	0.14
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	6	0.14
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	7	0.14
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	9	0.14
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	11	0.14
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	18	0.14
(1,868)	1:125:A:GLN:HB2	1:123:A:SER:HB3	13	0.14
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD2	14	0.14
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	19	0.14
(1,844)	1:118:A:LYS:HE3	1:118:A:LYS:HG2	17	0.14
(1,822)	1:147:A:LYS:HB3	1:147:A:LYS:HE2	12	0.14
(1,797)	1:142:A:LEU:HD12	1:142:A:LEU:HG	18	0.14
(1,779)	1:71:A:MET:H	1:192:A:GLY:HA3	4	0.14
(1,779)	1:190:A:GLY:HA2	1:188:A:TRP:HZ3	6	0.14
(1,779)	1:190:A:GLY:HA2	1:188:A:TRP:HZ3	17	0.14
(1,761)	1:75:A:MET:HE1	1:75:A:MET:HB3	20	0.14
(1,743)	1:115:A:ASN:HD22	1:114:A:ALA:HB3	1	0.14
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	19	0.14
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG12	2	0.14
(1,699)	1:178:A:LEU:HD12	1:75:A:MET:HG2	19	0.14
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	8	0.14
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	10	0.14
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD22	15	0.14
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG13	11	0.14
(1,674)	1:110:A:ARG:HB2	1:89:A:VAL:HG11	17	0.14
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	7	0.14
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	12	0.14
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	17	0.14
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	7	0.14
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	14	0.14
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	16	0.14
(1,647)	1:126:A:GLN:HG2	1:126:A:GLN:HA	18	0.14
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	3	0.14
(1,621)	1:44:A:GLY:HA2	1:45:A:PRO:HG3	16	0.14
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD23	18	0.14
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	16	0.14
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	9	0.14
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	19	0.14
(1,559)	1:197:A:GLN:HA	1:62:A:TYR:HA	10	0.14
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	7	0.14
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	15	0.14
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	18	0.14
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	8	0.14
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	9	0.14
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	12	0.14
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	1	0.14
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	15	0.14
(1,539)	1:145:A:ARG:HA	1:144:A:THR:HG21	15	0.14
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	16	0.14
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	17	0.14
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	6	0.14
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	12	0.14
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	15	0.14
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	15	0.14
(1,452)	1:181:A:VAL:HG11	1:159:A:TYR:HB2	16	0.14
(1,437)	1:178:A:LEU:HD13	1:188:A:TRP:HA	4	0.14
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	7	0.14
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	9	0.14
(1,413)	1:118:A:LYS:HD3	1:76:A:LEU:HA	9	0.14
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	11	0.14
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	5	0.14
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	17	0.14
(1,318)	1:151:A:ILE:HB	1:88:A:LEU:HG	13	0.14
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	2	0.14
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	4	0.14
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD22	18	0.14
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	11	0.14
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	20	0.14
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	19	0.14
(1,230)	1:60:A:ARG:HD2	1:60:A:ARG:HG3	14	0.14
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	6	0.14
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	10	0.14
(1,223)	1:95:A:ARG:HD3	1:95:A:ARG:HG3	20	0.14
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	1	0.14
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	14	0.14
(1,199)	1:158:A:HIS:H	1:159:A:TYR:HB3	2	0.14
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	10	0.14
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	12	0.14
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	2	0.14
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	12	0.14
(1,94)	1:136:A:LEU:H	1:132:A:GLN:HA	11	0.14
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	15	0.14
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG12	1	0.14
(1,67)	1:73:A:SER:HB2	1:69:A:GLN:HB3	4	0.14
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	2	0.14
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	7	0.14
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	13	0.14
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	17	0.14
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	6	0.14
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	2	0.13
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	13	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	3	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	3	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	3	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	3	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	3	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	3	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	3	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	3	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	3	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	5	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	5	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	5	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	5	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	5	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	5	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	5	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	5	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	5	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	18	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	18	0.13
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	18	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	18	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	18	0.13
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	18	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	18	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	18	0.13
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	18	0.13
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	4	0.13
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	4	0.13
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	4	0.13
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	6	0.13
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	6	0.13
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	8	0.13
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	8	0.13
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	8	0.13
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	13	0.13
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	14	0.13
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	16	0.13
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	2	0.13
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	13	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	3	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	3	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	3	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	3	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	3	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	3	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	3	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	3	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	3	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	5	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	5	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	5	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	5	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	5	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	5	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	5	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	5	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	5	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	18	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	18	0.13
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	18	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	18	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	18	0.13
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	18	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	18	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	18	0.13
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	18	0.13
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	4	0.13
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	4	0.13
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	4	0.13
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	6	0.13
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	6	0.13
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	8	0.13
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	8	0.13
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	8	0.13
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	13	0.13
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	14	0.13
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	16	0.13
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	17	0.13
(1,5116)	1:182:A:GLN:HE22	1:182:A:GLN:HB3	16	0.13
(1,5089)	1:5:A:VAL:H	1:5:A:VAL:HB	8	0.13
(1,5089)	1:5:A:VAL:H	1:5:A:VAL:HB	14	0.13
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	12	0.13
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	1	0.13
(1,5047)	1:176:A:MET:H	1:192:A:GLY:H	18	0.13
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	5	0.13
(1,5020)	1:197:A:GLN:HE22	1:197:A:GLN:HB2	6	0.13
(1,5020)	1:197:A:GLN:HE22	1:197:A:GLN:HB2	12	0.13
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	15	0.13
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	20	0.13
(1,4974)	1:86:A:VAL:H	1:159:A:TYR:H	2	0.13
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	3	0.13
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	5	0.13
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	9	0.13
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	12	0.13
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	16	0.13
(1,4893)	1:154:A:ASN:H	1:157:A:ALA:H	10	0.13
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	3	0.13
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	4	0.13
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	9	0.13
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	19	0.13
(1,4878)	1:158:A:HIS:H	1:159:A:TYR:HB3	2	0.13
(1,4872)	1:171:A:ALA:H	1:172:A:PRO:HB3	14	0.13
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	4	0.13
(1,4864)	1:51:A:GLN:H	1:49:A:GLU:HG3	7	0.13
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB2	14	0.13
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	8	0.13
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	9	0.13
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	4	0.13
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	12	0.13
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	20	0.13
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	2	0.13
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	4	0.13
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG22	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	13	0.13
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	7	0.13
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	4	0.13
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	12	0.13
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	13	0.13
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	16	0.13
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	11	0.13
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	15	0.13
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	12	0.13
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	1	0.13
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	18	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	7	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	8	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	10	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	11	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	12	0.13
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	15	0.13
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	5	0.13
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	6	0.13
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	10	0.13
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	17	0.13
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	19	0.13
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	3	0.13
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	4	0.13
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	5	0.13
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	10	0.13
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	14	0.13
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	19	0.13
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG21	10	0.13
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	9	0.13
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	15	0.13
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	16	0.13
(1,4649)	1:135:A:GLY:H	1:135:A:GLY:HA3	12	0.13
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	15	0.13
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	10	0.13
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG21	18	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	1	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	2	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	3	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	4	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	6	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	8	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	9	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	10	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	11	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	12	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	14	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	15	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	16	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	17	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	18	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	19	0.13
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	20	0.13
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	7	0.13
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	2	0.13
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	4	0.13
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	3	0.13
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	9	0.13
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	13	0.13
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	14	0.13
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	1	0.13
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	4	0.13
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	12	0.13
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	19	0.13
(1,4528)	1:170:A:ASN:H	1:168:A:ASN:HD21	10	0.13
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	4	0.13
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	4	0.13
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	7	0.13
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	15	0.13
(1,4412)	1:99:A:SER:H	1:99:A:SER:HB3	20	0.13
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB1	12	0.13
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	5	0.13
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	10	0.13
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	8	0.13
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	18	0.13
(1,4336)	1:137:A:SER:H	1:136:A:LEU:HB3	5	0.13
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	14	0.13
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	15	0.13
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	19	0.13
(1,4303)	1:104:A:GLU:H	1:101:A:ASN:HB2	2	0.13
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	6	0.13
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	17	0.13
(1,4278)	1:133:A:GLN:H	1:134:A:LEU:HD21	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4236)	1:74:A:LYS:H	1:74:A:LYS:HG2	16	0.13
(1,4226)	1:46:A:ILE:H	1:45:A:PRO:HA	7	0.13
(1,4225)	1:51:A:GLN:H	1:50:A:ASP:HA	19	0.13
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD23	5	0.13
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD21	20	0.13
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	14	0.13
(1,4179)	1:79:A:ASP:H	1:81:A:VAL:HG13	19	0.13
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	3	0.13
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	12	0.13
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	14	0.13
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	20	0.13
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	8	0.13
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	12	0.13
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	5	0.13
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	8	0.13
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	12	0.13
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	2	0.13
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	4	0.13
(1,4094)	1:168:A:ASN:H	1:97:A:ASN:H	15	0.13
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	2	0.13
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	10	0.13
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	16	0.13
(1,4068)	1:59:A:ILE:H	1:59:A:ILE:HG12	13	0.13
(1,4068)	1:59:A:ILE:H	1:59:A:ILE:HG12	18	0.13
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	3	0.13
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	7	0.13
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	10	0.13
(1,4047)	1:103:A:ALA:H	1:104:A:GLU:HB3	1	0.13
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	4	0.13
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	9	0.13
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	10	0.13
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	13	0.13
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	19	0.13
(1,4033)	1:145:A:ARG:H	1:145:A:ARG:HG3	8	0.13
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	1	0.13
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	2	0.13
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	3	0.13
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	8	0.13
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	10	0.13
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	15	0.13
(1,4006)	1:121:A:LEU:H	1:121:A:LEU:HB3	13	0.13
(1,4002)	1:197:A:GLN:H	1:196:A:GLN:HG3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	13	0.13
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	17	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	1	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	2	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	3	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	5	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	7	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	8	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	9	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	13	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG22	16	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	17	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	18	0.13
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG21	19	0.13
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	17	0.13
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	3	0.13
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	5	0.13
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	7	0.13
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	11	0.13
(1,3839)	1:81:A:VAL:HB	1:75:A:MET:HG3	5	0.13
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	1	0.13
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	10	0.13
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	20	0.13
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	3	0.13
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	11	0.13
(1,3763)	1:104:A:GLU:HB3	1:101:A:ASN:HD22	2	0.13
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD12	15	0.13
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	2	0.13
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	5	0.13
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	13	0.13
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	16	0.13
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	19	0.13
(1,3719)	1:182:A:GLN:HG2	1:182:A:GLN:HA	19	0.13
(1,3710)	1:115:A:ASN:HB3	1:115:A:ASN:H	20	0.13
(1,3708)	1:170:A:ASN:HD21	1:170:A:ASN:HB3	19	0.13
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	5	0.13
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	16	0.13
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	20	0.13
(1,3660)	1:52:A:THR:HA	1:52:A:THR:HG23	20	0.13
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD13	20	0.13
(1,3531)	1:105:A:ALA:HB3	1:101:A:ASN:HA	12	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	2	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	3	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	5	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	6	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	8	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG22	9	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG21	10	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	12	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG22	14	0.13
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	17	0.13
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	13	0.13
(1,3504)	1:131:A:LYS:H	1:151:A:ILE:HG21	19	0.13
(1,3489)	1:59:A:ILE:HG21	1:59:A:ILE:HG12	2	0.13
(1,3489)	1:59:A:ILE:HG22	1:59:A:ILE:HG12	10	0.13
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB3	1	0.13
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB1	6	0.13
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB1	9	0.13
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB3	12	0.13
(1,3485)	1:72:A:VAL:HB	1:112:A:ALA:HB2	14	0.13
(1,3483)	1:68:A:MET:HG3	1:112:A:ALA:HB3	14	0.13
(1,3473)	1:103:A:ALA:H	1:103:A:ALA:HB2	5	0.13
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	6	0.13
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	11	0.13
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	13	0.13
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	18	0.13
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE3	3	0.13
(1,3449)	1:71:A:MET:HE1	1:176:A:MET:HG3	18	0.13
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG11	1	0.13
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG13	3	0.13
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG13	10	0.13
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG11	11	0.13
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB1	8	0.13
(1,3434)	1:102:A:ALA:HA	1:102:A:ALA:HB3	19	0.13
(1,3423)	1:176:A:MET:HE2	1:72:A:VAL:HA	9	0.13
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB1	2	0.13
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB2	11	0.13
(1,3399)	1:145:A:ARG:HA	1:148:A:ALA:HB2	18	0.13
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB2	18	0.13
(1,3387)	1:155:A:VAL:HG23	1:130:A:ALA:HB3	3	0.13
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB3	12	0.13
(1,3387)	1:155:A:VAL:HG21	1:130:A:ALA:HB2	15	0.13
(1,3386)	1:148:A:ALA:HB3	1:160:A:VAL:HG12	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	1:92:A:VAL:HG23	1:68:A:MET:HE1	13	0.13
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD23	16	0.13
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	6	0.13
(1,3378)	1:174:A:LEU:HD22	1:68:A:MET:HE3	11	0.13
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	6	0.13
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	15	0.13
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	2	0.13
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	17	0.13
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	9	0.13
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	12	0.13
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	17	0.13
(1,3344)	1:152:A:ALA:HB2	1:88:A:LEU:HD12	7	0.13
(1,3344)	1:152:A:ALA:HB3	1:88:A:LEU:HD11	13	0.13
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB3	14	0.13
(1,3301)	1:193:A:ALA:HB2	1:193:A:ALA:HA	6	0.13
(1,3288)	1:67:A:ALA:HB1	1:64:A:TRP:HA	17	0.13
(1,3244)	1:81:A:VAL:HG12	1:119:A:PHE:HZ	13	0.13
(1,3241)	1:81:A:VAL:HG22	1:159:A:TYR:HD2	5	0.13
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD12	13	0.13
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD13	15	0.13
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD11	20	0.13
(1,3175)	1:180:A:LEU:HD21	1:159:A:TYR:HD2	15	0.13
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	9	0.13
(1,3172)	1:181:A:VAL:HG12	1:159:A:TYR:HD1	15	0.13
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD12	5	0.13
(1,3168)	1:152:A:ALA:HA	1:88:A:LEU:HD13	10	0.13
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	5	0.13
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	6	0.13
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	9	0.13
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	17	0.13
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	18	0.13
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	16	0.13
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	3	0.13
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	9	0.13
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	17	0.13
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	18	0.13
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	19	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	3	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	4	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	5	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	8	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	14	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	17	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	18	0.13
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	19	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	1	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	2	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	4	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	7	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	8	0.13
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	13	0.13
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	8	0.13
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	9	0.13
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	14	0.13
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	17	0.13
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	12	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	1	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	2	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	4	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	5	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	10	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	12	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	14	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	15	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	16	0.13
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	19	0.13
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD23	7	0.13
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	10	0.13
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	3	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	2	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	3	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	4	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	7	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	9	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	10	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	11	0.13
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	19	0.13
(1,2825)	1:38:A:THR:HA	1:39:A:ILE:HG12	16	0.13
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	7	0.13
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	8	0.13
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	18	0.13
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	20	0.13
(1,2811)	1:166:A:SER:HB3	1:96:A:THR:HA	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	6	0.13
(1,2808)	1:173:A:THR:HA	1:194:A:VAL:HG11	15	0.13
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	1	0.13
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	6	0.13
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	12	0.13
(1,2785)	1:195:A:SER:HB2	1:63:A:ASP:HA	11	0.13
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	2	0.13
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	15	0.13
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	4	0.13
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	6	0.13
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	3	0.13
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	11	0.13
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	17	0.13
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	1	0.13
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	5	0.13
(1,2719)	1:160:A:VAL:HA	1:160:A:VAL:HG11	16	0.13
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	7	0.13
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	16	0.13
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG23	17	0.13
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG22	15	0.13
(1,2673)	1:92:A:VAL:H	1:106:A:THR:HG22	4	0.13
(1,2671)	1:72:A:VAL:HG22	1:75:A:MET:HE3	5	0.13
(1,2669)	1:72:A:VAL:HA	1:72:A:VAL:HG21	19	0.13
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG23	20	0.13
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD21	11	0.13
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD23	19	0.13
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	5	0.13
(1,2633)	1:159:A:TYR:HB2	1:178:A:LEU:HD23	4	0.13
(1,2633)	1:159:A:TYR:HB2	1:178:A:LEU:HD21	16	0.13
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD23	8	0.13
(1,2629)	1:100:A:LEU:HD12	1:165:A:ALA:HB2	20	0.13
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	16	0.13
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	20	0.13
(1,2554)	1:113:A:LEU:HD21	1:119:A:PHE:HD2	3	0.13
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	15	0.13
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	18	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	2	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	4	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	8	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	10	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	12	0.13
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	18	0.13
(1,2503)	1:118:A:LYS:HD2	1:118:A:LYS:HB2	3	0.13
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD13	5	0.13
(1,2495)	1:74:A:LYS:HD3	1:188:A:TRP:HZ2	9	0.13
(1,2492)	1:74:A:LYS:HD2	1:188:A:TRP:HZ2	9	0.13
(1,2471)	1:61:A:HIS:HB3	1:60:A:ARG:HA	14	0.13
(1,2465)	1:197:A:GLN:H	1:196:A:GLN:HB3	19	0.13
(1,2464)	1:75:A:MET:HG3	1:75:A:MET:H	19	0.13
(1,2431)	1:158:A:HIS:HB3	1:159:A:TYR:HD1	4	0.13
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB1	3	0.13
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	11	0.13
(1,2303)	1:104:A:GLU:HG2	1:104:A:GLU:H	1	0.13
(1,2297)	1:102:A:ALA:H	1:101:A:ASN:HB2	15	0.13
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	12	0.13
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	16	0.13
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	17	0.13
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	5	0.13
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	6	0.13
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	7	0.13
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	8	0.13
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD12	14	0.13
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD11	18	0.13
(1,2197)	1:50:A:ASP:HB3	1:51:A:GLN:H	17	0.13
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	3	0.13
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	7	0.13
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	11	0.13
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	14	0.13
(1,2103)	1:88:A:LEU:HB3	1:88:A:LEU:HD22	12	0.13
(1,2103)	1:88:A:LEU:HB3	1:88:A:LEU:HD23	20	0.13
(1,2019)	1:193:A:ALA:H	1:192:A:GLY:HA3	18	0.13
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	17	0.13
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	18	0.13
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	2	0.13
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	14	0.13
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	15	0.13
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	17	0.13
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	3	0.13
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	4	0.13
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	5	0.13
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	6	0.13
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	17	0.13
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	8	0.13
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	10	0.13
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	12	0.13
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	16	0.13
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG13	1	0.13
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	13	0.13
(1,1908)	1:83:A:ALA:HA	1:119:A:PHE:HE1	4	0.13
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG12	3	0.13
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG13	12	0.13
(1,1847)	1:88:A:LEU:HA	1:122:A:VAL:HG23	8	0.13
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	6	0.13
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD13	3	0.13
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD11	13	0.13
(1,1800)	1:61:A:HIS:H	1:60:A:ARG:HA	2	0.13
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	10	0.13
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	14	0.13
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	9	0.13
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	3	0.13
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	9	0.13
(1,1691)	1:59:A:ILE:HA	1:59:A:ILE:HB	16	0.13
(1,1678)	1:131:A:LYS:HA	1:131:A:LYS:HE3	15	0.13
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	14	0.13
(1,1623)	1:137:A:SER:HB3	1:137:A:SER:HA	2	0.13
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	19	0.13
(1,1592)	1:151:A:ILE:HA	1:154:A:ASN:HB2	11	0.13
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	7	0.13
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	17	0.13
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	6	0.13
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	10	0.13
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	17	0.13
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	2	0.13
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	4	0.13
(1,1570)	1:85:A:SER:HB2	1:158:A:HIS:HB2	2	0.13
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	3	0.13
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	12	0.13
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	13	0.13
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	3	0.13
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	19	0.13
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	17	0.13
(1,1534)	1:166:A:SER:HB3	1:166:A:SER:HA	4	0.13
(1,1534)	1:166:A:SER:HB3	1:166:A:SER:HA	7	0.13
(1,1534)	1:166:A:SER:HB3	1:166:A:SER:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1534)	1:166:A:SER:HB3	1:166:A:SER:HA	17	0.13
(1,1534)	1:166:A:SER:HB3	1:166:A:SER:HA	18	0.13
(1,1524)	1:163:A:SER:HB3	1:92:A:VAL:HA	8	0.13
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD11	14	0.13
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD11	17	0.13
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD12	19	0.13
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	2	0.13
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	4	0.13
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	8	0.13
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	11	0.13
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	8	0.13
(1,1469)	1:173:A:THR:HB	1:175:A:GLN:HG2	1	0.13
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	14	0.13
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG21	13	0.13
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	1	0.13
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	13	0.13
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	20	0.13
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	5	0.13
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	16	0.13
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	6	0.13
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	3	0.13
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB1	15	0.13
(1,1271)	1:6:A:GLY:H	1:4:A:MET:HG3	15	0.13
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	4	0.13
(1,1259)	1:69:A:GLN:HE21	1:65:A:ASN:HD21	20	0.13
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	8	0.13
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	15	0.13
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	11	0.13
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	10	0.13
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	20	0.13
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	5	0.13
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	14	0.13
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	20	0.13
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	9	0.13
(1,1168)	1:197:A:GLN:H	1:64:A:TRP:HD1	19	0.13
(1,1160)	1:53:A:ALA:H	1:54:A:PRO:HG3	6	0.13
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	18	0.13
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	20	0.13
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	10	0.13
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	17	0.13
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	19	0.13
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	1	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	2	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	3	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	8	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	12	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	15	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	16	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	17	0.13
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	18	0.13
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB1	7	0.13
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB2	8	0.13
(1,1100)	1:170:A:ASN:HD22	1:168:A:ASN:HD21	3	0.13
(1,1100)	1:170:A:ASN:HD22	1:60:A:ARG:HE	8	0.13
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	20	0.13
(1,1065)	1:35:A:SER:H	1:35:A:SER:HB3	17	0.13
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	1	0.13
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	4	0.13
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	19	0.13
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG11	4	0.13
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	1	0.13
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	3	0.13
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	6	0.13
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	11	0.13
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	16	0.13
(1,1037)	1:177:A:GLN:H	1:162:A:TYR:HB2	20	0.13
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	13	0.13
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	15	0.13
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	3	0.13
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	6	0.13
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	11	0.13
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	17	0.13
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	6	0.13
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	8	0.13
(1,980)	1:107:A:GLU:H	1:107:A:GLU:HG2	2	0.13
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	16	0.13
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	6	0.13
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	7	0.13
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	12	0.13
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	7	0.13
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	1	0.13
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	2	0.13
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	14	0.13
(1,931)	1:165:A:ALA:H	1:96:A:THR:HG23	7	0.13
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	3	0.13
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	12	0.13
(1,885)	1:72:A:VAL:HG22	1:71:A:MET:HB2	3	0.13
(1,885)	1:72:A:VAL:HG21	1:71:A:MET:HB2	5	0.13
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	10	0.13
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	8	0.13
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	12	0.13
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	14	0.13
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	20	0.13
(1,860)	1:44:A:GLY:HA2	1:45:A:PRO:HD2	6	0.13
(1,859)	1:44:A:GLY:HA3	1:45:A:PRO:HD2	18	0.13
(1,838)	1:131:A:LYS:H	1:129:A:MET:HA	12	0.13
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD11	16	0.13
(1,822)	1:147:A:LYS:HB3	1:147:A:LYS:HE2	9	0.13
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	17	0.13
(1,797)	1:142:A:LEU:HD11	1:142:A:LEU:HG	1	0.13
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	6	0.13
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	7	0.13
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	9	0.13
(1,779)	1:71:A:MET:H	1:192:A:GLY:HA3	19	0.13
(1,772)	1:151:A:ILE:HD11	1:141:A:SER:HA	16	0.13
(1,767)	1:151:A:ILE:H	1:151:A:ILE:HD11	19	0.13
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	2	0.13
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	5	0.13
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	8	0.13
(1,736)	1:148:A:ALA:HB3	1:142:A:LEU:HB2	11	0.13
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB2	20	0.13
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	16	0.13
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG11	17	0.13
(1,711)	1:81:A:VAL:HG23	1:78:A:ALA:H	4	0.13
(1,711)	1:81:A:VAL:HG23	1:78:A:ALA:H	14	0.13
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	1	0.13
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	14	0.13
(1,675)	1:110:A:ARG:HB3	1:121:A:LEU:HB3	15	0.13
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	13	0.13
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	18	0.13
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	17	0.13
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	8	0.13
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	15	0.13
(1,647)	1:126:A:GLN:HG2	1:126:A:GLN:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:184:A:GLY:HA3	1:145:A:ARG:HD2	5	0.13
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD21	17	0.13
(1,590)	1:138:A:PRO:HD2	1:131:A:LYS:HB3	10	0.13
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	14	0.13
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE2	9	0.13
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	15	0.13
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	18	0.13
(1,559)	1:197:A:GLN:HA	1:62:A:TYR:HA	11	0.13
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	10	0.13
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	4	0.13
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	15	0.13
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	18	0.13
(1,540)	1:186:A:ILE:HA	1:185:A:GLU:HB2	14	0.13
(1,531)	1:39:A:ILE:H	1:38:A:THR:HA	2	0.13
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	20	0.13
(1,508)	1:85:A:SER:HB3	1:86:A:VAL:HA	2	0.13
(1,482)	1:106:A:THR:HB	1:109:A:LEU:HB2	3	0.13
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG21	14	0.13
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG23	16	0.13
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG22	19	0.13
(1,442)	1:74:A:LYS:HG2	1:75:A:MET:H	16	0.13
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	2	0.13
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	5	0.13
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	16	0.13
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	18	0.13
(1,408)	1:48:A:HIS:H	1:48:A:HIS:HB3	6	0.13
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	10	0.13
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	11	0.13
(1,364)	1:176:A:MET:HG2	1:174:A:LEU:HD23	19	0.13
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	12	0.13
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	14	0.13
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	8	0.13
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	20	0.13
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	19	0.13
(1,320)	1:151:A:ILE:HB	1:150:A:GLY:H	18	0.13
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	7	0.13
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	14	0.13
(1,251)	1:131:A:LYS:HE2	1:142:A:LEU:HA	4	0.13
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	5	0.13
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	13	0.13
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	16	0.13
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:153:A:ARG:H	1:153:A:ARG:HD2	11	0.13
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	1	0.13
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	2	0.13
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	1	0.13
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	5	0.13
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	7	0.13
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	2	0.13
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	8	0.13
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	9	0.13
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	13	0.13
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	18	0.13
(1,140)	1:121:A:LEU:HA	1:121:A:LEU:HD22	15	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	2	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	3	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	4	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	5	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	6	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG21	8	0.13
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	14	0.13
(1,65)	1:122:A:VAL:HA	1:120:A:THR:HG21	5	0.13
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	8	0.13
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	9	0.13
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	15	0.13
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	6	0.13
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	19	0.13
(1,28)	1:163:A:SER:HB2	1:174:A:LEU:HD23	8	0.13
(1,17)	1:173:A:THR:HB	1:191:A:LYS:HD2	7	0.13
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	5	0.13
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	9	0.13
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	17	0.13
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	16	0.12
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	1	0.12
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	14	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	7	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	7	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	7	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	7	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	7	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	7	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	7	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	7	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	14	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	14	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	14	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	14	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	14	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	14	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	14	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	14	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	14	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	16	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	16	0.12
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	16	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	16	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	16	0.12
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	16	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	16	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	16	0.12
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	16	0.12
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	12	0.12
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	16	0.12
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	1	0.12
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	14	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	7	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	7	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	7	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	7	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	7	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	7	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	7	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	7	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	7	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	14	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	14	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	14	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	14	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	14	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	14	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	14	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	14	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	14	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	16	0.12
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	16	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	16	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	16	0.12
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	16	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	16	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	16	0.12
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	16	0.12
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	12	0.12
(1,5100)	1:16:A:VAL:H	1:15:A:GLU:HA	1	0.12
(1,5089)	1:5:A:VAL:H	1:5:A:VAL:HB	18	0.12
(1,5087)	1:6:A:GLY:H	1:3:A:HIS:HA	3	0.12
(1,5083)	1:9:A:GLU:H	1:8:A:ARG:HA	16	0.12
(1,5079)	1:77:A:GLY:H	1:81:A:VAL:HG21	20	0.12
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	6	0.12
(1,5075)	1:190:A:GLY:H	1:175:A:GLN:HA	17	0.12
(1,5073)	1:135:A:GLY:H	1:132:A:GLN:HG3	19	0.12
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	14	0.12
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	3	0.12
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	9	0.12
(1,5020)	1:197:A:GLN:HE22	1:197:A:GLN:HB2	14	0.12
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	7	0.12
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	11	0.12
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	14	0.12
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	20	0.12
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	1	0.12
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	2	0.12
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	3	0.12
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	8	0.12
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	11	0.12
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	13	0.12
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	2	0.12
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	18	0.12
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	19	0.12
(1,4895)	1:58:A:HIS:H	1:57:A:PRO:HB3	20	0.12
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	17	0.12
(1,4892)	1:154:A:ASN:H	1:154:A:ASN:HD21	20	0.12
(1,4870)	1:25:A:GLU:H	1:24:A:ALA:HA	11	0.12
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	1	0.12
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	2	0.12
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	6	0.12
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	7	0.12
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	19	0.12
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	9	0.12
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	18	0.12
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	12	0.12
(1,4822)	1:36:A:VAL:H	1:35:A:SER:HA	10	0.12
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG23	5	0.12
(1,4813)	1:186:A:ILE:H	1:187:A:ILE:HG21	8	0.12
(1,4791)	1:47:A:GLU:H	1:46:A:ILE:H	7	0.12
(1,4790)	1:47:A:GLU:H	1:46:A:ILE:HG13	11	0.12
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	19	0.12
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	5	0.12
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	15	0.12
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	17	0.12
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	19	0.12
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	20	0.12
(1,4752)	1:90:A:ASP:H	1:161:A:LEU:HB2	4	0.12
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	11	0.12
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	12	0.12
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	14	0.12
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	7	0.12
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	12	0.12
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB1	20	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	1	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	2	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	4	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	6	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	9	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	14	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	16	0.12
(1,4702)	1:102:A:ALA:H	1:103:A:ALA:HA	19	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	2	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	8	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	9	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	12	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	15	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	16	0.12
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	18	0.12
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	9	0.12
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	11	0.12
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	18	0.12
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	19	0.12
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG22	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG22	11	0.12
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	2	0.12
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	5	0.12
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	6	0.12
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	10	0.12
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	4	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	4	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	8	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	11	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	13	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	14	0.12
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	17	0.12
(1,4636)	1:167:A:GLY:H	1:96:A:THR:HG23	5	0.12
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	5	0.12
(1,4630)	1:156:A:GLY:H	1:156:A:GLY:HA3	13	0.12
(1,4616)	1:154:A:ASN:HD22	1:134:A:LEU:HG	13	0.12
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	17	0.12
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	6	0.12
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	15	0.12
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	19	0.12
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	2	0.12
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	5	0.12
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	6	0.12
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	8	0.12
(1,4528)	1:170:A:ASN:H	1:168:A:ASN:HD21	17	0.12
(1,4528)	1:170:A:ASN:H	1:168:A:ASN:HD21	19	0.12
(1,4472)	1:159:A:TYR:H	1:87:A:LEU:HD21	20	0.12
(1,4423)	1:91:A:SER:H	1:162:A:TYR:HD1	3	0.12
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	2	0.12
(1,4411)	1:153:A:ARG:H	1:181:A:VAL:HG23	15	0.12
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB2	6	0.12
(1,4392)	1:166:A:SER:H	1:165:A:ALA:HB3	8	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	10	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	11	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	15	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	16	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	17	0.12
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	20	0.12
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB3	9	0.12
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB3	16	0.12
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	2	0.12
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4314)	1:58:A:HIS:H	1:57:A:PRO:HD3	16	0.12
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	5	0.12
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD21	6	0.12
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	7	0.12
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	4	0.12
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	6	0.12
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	15	0.12
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	9	0.12
(1,4111)	1:130:A:ALA:H	1:129:A:MET:HB3	12	0.12
(1,4111)	1:130:A:ALA:H	1:129:A:MET:HB3	16	0.12
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	6	0.12
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	1	0.12
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	5	0.12
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	20	0.12
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	12	0.12
(1,4035)	1:145:A:ARG:H	1:149:A:ILE:HD11	9	0.12
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	10	0.12
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	5	0.12
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	11	0.12
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	13	0.12
(1,4022)	1:193:A:ALA:H	1:192:A:GLY:H	16	0.12
(1,4006)	1:121:A:LEU:H	1:121:A:LEU:HB3	19	0.12
(1,3981)	1:53:A:ALA:H	1:53:A:ALA:HB1	2	0.12
(1,3980)	1:53:A:ALA:H	1:52:A:THR:HA	2	0.12
(1,3980)	1:53:A:ALA:H	1:52:A:THR:HA	18	0.12
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD21	8	0.12
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG21	2	0.12
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	11	0.12
(1,3916)	1:64:A:TRP:HE1	1:62:A:TYR:HA	13	0.12
(1,3913)	1:64:A:TRP:HE1	1:64:A:TRP:H	1	0.12
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	2	0.12
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	4	0.12
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	6	0.12
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	11	0.12
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	12	0.12
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG22	15	0.12
(1,3872)	1:120:A:THR:HB	1:120:A:THR:HG23	20	0.12
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	6	0.12
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	9	0.12
(1,3854)	1:124:A:ALA:H	1:123:A:SER:HB2	5	0.12
(1,3850)	1:182:A:GLN:HG2	1:182:A:GLN:H	10	0.12
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	2	0.12
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	9	0.12
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	12	0.12
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	16	0.12
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	2	0.12
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	19	0.12
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	2	0.12
(1,3759)	1:137:A:SER:H	1:136:A:LEU:HD12	8	0.12
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD13	5	0.12
(1,3753)	1:132:A:GLN:HG3	1:133:A:GLN:H	4	0.12
(1,3749)	1:139:A:GLN:HA	1:139:A:GLN:HB3	10	0.12
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	15	0.12
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	18	0.12
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	15	0.12
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG21	12	0.12
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	2	0.12
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG22	5	0.12
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	6	0.12
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	12	0.12
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG22	18	0.12
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	7	0.12
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	15	0.12
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	10	0.12
(1,3657)	1:136:A:LEU:HB2	1:136:A:LEU:HD12	3	0.12
(1,3657)	1:136:A:LEU:HB2	1:136:A:LEU:HD11	14	0.12
(1,3531)	1:105:A:ALA:HB3	1:101:A:ASN:HA	8	0.12
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	9	0.12
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	16	0.12
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	7	0.12
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG22	13	0.12
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG22	15	0.12
(1,3520)	1:149:A:ILE:HB	1:149:A:ILE:HG23	18	0.12
(1,3487)	1:113:A:LEU:HD21	1:112:A:ALA:HB3	2	0.12
(1,3487)	1:113:A:LEU:HD21	1:112:A:ALA:HB1	4	0.12
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB3	8	0.12
(1,3487)	1:113:A:LEU:HD23	1:112:A:ALA:HB2	11	0.12
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	19	0.12
(1,3461)	1:179:A:MET:HE1	1:159:A:TYR:HA	14	0.12
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG11	7	0.12
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG13	20	0.12
(1,3433)	1:102:A:ALA:HB1	1:93:A:ASN:HA	3	0.12
(1,3433)	1:102:A:ALA:HB3	1:93:A:ASN:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:102:A:ALA:HB2	1:93:A:ASN:HA	15	0.12
(1,3433)	1:102:A:ALA:HB1	1:93:A:ASN:HA	17	0.12
(1,3415)	1:187:A:ILE:HG21	1:159:A:TYR:HE2	2	0.12
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	9	0.12
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB2	13	0.12
(1,3380)	1:92:A:VAL:HG22	1:68:A:MET:HE1	2	0.12
(1,3380)	1:92:A:VAL:HG22	1:68:A:MET:HE1	7	0.12
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD21	11	0.12
(1,3379)	1:68:A:MET:HE1	1:109:A:LEU:HD21	15	0.12
(1,3378)	1:174:A:LEU:HD21	1:68:A:MET:HE3	2	0.12
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	2	0.12
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	4	0.12
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	9	0.12
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	12	0.12
(1,3364)	1:148:A:ALA:HB2	1:142:A:LEU:H	1	0.12
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	8	0.12
(1,3364)	1:148:A:ALA:HB3	1:142:A:LEU:H	14	0.12
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	4	0.12
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	16	0.12
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	20	0.12
(1,3356)	1:157:A:ALA:HB2	1:126:A:GLN:HE21	19	0.12
(1,3344)	1:152:A:ALA:HB1	1:88:A:LEU:HD13	9	0.12
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB3	3	0.12
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB2	16	0.12
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB3	20	0.12
(1,3339)	1:163:A:SER:HB3	1:92:A:VAL:HG13	16	0.12
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG11	4	0.12
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG12	7	0.12
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG12	10	0.12
(1,3312)	1:92:A:VAL:HG11	1:105:A:ALA:HB2	9	0.12
(1,3301)	1:193:A:ALA:HB3	1:193:A:ALA:HA	3	0.12
(1,3301)	1:193:A:ALA:HB3	1:193:A:ALA:HA	11	0.12
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	16	0.12
(1,3288)	1:67:A:ALA:HB1	1:64:A:TRP:HA	13	0.12
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB2	7	0.12
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB2	15	0.12
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB2	20	0.12
(1,3283)	1:163:A:SER:H	1:92:A:VAL:HG22	20	0.12
(1,3261)	1:121:A:LEU:H	1:120:A:THR:HG22	6	0.12
(1,3244)	1:81:A:VAL:HG13	1:119:A:PHE:HZ	1	0.12
(1,3244)	1:81:A:VAL:HG12	1:119:A:PHE:HZ	12	0.12
(1,3226)	1:76:A:LEU:HD23	1:82:A:THR:H	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3217)	1:147:A:LYS:H	1:147:A:LYS:HG2	9	0.12
(1,3211)	1:88:A:LEU:HB2	1:88:A:LEU:HD21	8	0.12
(1,3211)	1:88:A:LEU:HB2	1:88:A:LEU:HD22	13	0.12
(1,3210)	1:90:A:ASP:HA	1:142:A:LEU:HD13	4	0.12
(1,3189)	1:172:A:PRO:HG2	1:100:A:LEU:HD22	1	0.12
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD13	7	0.12
(1,3179)	1:180:A:LEU:HD22	1:180:A:LEU:HD12	12	0.12
(1,3179)	1:180:A:LEU:HD23	1:180:A:LEU:HD13	19	0.12
(1,3175)	1:180:A:LEU:HD23	1:159:A:TYR:HD2	7	0.12
(1,3173)	1:88:A:LEU:HD12	1:89:A:VAL:H	17	0.12
(1,3169)	1:181:A:VAL:HG12	1:152:A:ALA:HA	16	0.12
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	15	0.12
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	3	0.12
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	4	0.12
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	5	0.12
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	19	0.12
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	3	0.12
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	6	0.12
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	14	0.12
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	16	0.12
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	13	0.12
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	14	0.12
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	16	0.12
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	6	0.12
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	16	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	1	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	7	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	10	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	11	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	12	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	13	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	15	0.12
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	16	0.12
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	5	0.12
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	6	0.12
(1,2943)	1:25:A:GLU:HA	1:25:A:GLU:HB3	7	0.12
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	1	0.12
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	12	0.12
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	15	0.12
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	20	0.12
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	6	0.12
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	1:113:A:LEU:HA	1:113:A:LEU:HG	20	0.12
(1,2878)	1:197:A:GLN:HA	1:61:A:HIS:HB2	4	0.12
(1,2876)	1:195:A:SER:HB3	1:195:A:SER:HA	4	0.12
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	15	0.12
(1,2840)	1:82:A:THR:HA	1:76:A:LEU:HD23	6	0.12
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG21	15	0.12
(1,2832)	1:120:A:THR:HA	1:120:A:THR:HG22	20	0.12
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	12	0.12
(1,2831)	1:120:A:THR:HA	1:121:A:LEU:HG	18	0.12
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	5	0.12
(1,2830)	1:120:A:THR:HA	1:86:A:VAL:HA	16	0.12
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	1	0.12
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	2	0.12
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	5	0.12
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	17	0.12
(1,2829)	1:120:A:THR:HA	1:119:A:PHE:HA	18	0.12
(1,2828)	1:121:A:LEU:HA	1:120:A:THR:HA	8	0.12
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	13	0.12
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	15	0.12
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	11	0.12
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	12	0.12
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	13	0.12
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	4	0.12
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	9	0.12
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	14	0.12
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	17	0.12
(1,2776)	1:131:A:LYS:HE2	1:138:A:PRO:HA	13	0.12
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	9	0.12
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	19	0.12
(1,2773)	1:123:A:SER:HB3	1:124:A:ALA:HB3	8	0.12
(1,2764)	1:189:A:SER:HB3	1:177:A:GLN:HG2	12	0.12
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG23	15	0.12
(1,2718)	1:194:A:VAL:HG12	1:194:A:VAL:HG21	19	0.12
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG22	20	0.12
(1,2684)	1:87:A:LEU:H	1:86:A:VAL:HG21	19	0.12
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG21	15	0.12
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG21	3	0.12
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG23	12	0.12
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD21	13	0.12
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD12	9	0.12
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD13	12	0.12
(1,2632)	1:159:A:TYR:HA	1:178:A:LEU:HD22	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	2	0.12
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	8	0.12
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	15	0.12
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	8	0.12
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	16	0.12
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	16	0.12
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	17	0.12
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD13	6	0.12
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	8	0.12
(1,2492)	1:74:A:LYS:HD2	1:188:A:TRP:HZ2	5	0.12
(1,2488)	1:191:A:LYS:HD2	1:173:A:THR:HG23	18	0.12
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD12	6	0.12
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	7	0.12
(1,2431)	1:158:A:HIS:HB3	1:159:A:TYR:HD1	5	0.12
(1,2386)	1:118:A:LYS:HB3	1:76:A:LEU:HD11	5	0.12
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	6	0.12
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	15	0.12
(1,2329)	1:132:A:GLN:HG3	1:131:A:LYS:HB3	14	0.12
(1,2322)	1:196:A:GLN:HG2	1:62:A:TYR:HD1	7	0.12
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB2	1	0.12
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB1	6	0.12
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	5	0.12
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	9	0.12
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	11	0.12
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	18	0.12
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB2	13	0.12
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD13	2	0.12
(1,2264)	1:94:A:ASN:HB3	1:100:A:LEU:HD11	3	0.12
(1,2177)	1:76:A:LEU:HB2	1:81:A:VAL:HG21	9	0.12
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	5	0.12
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	13	0.12
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	17	0.12
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	3	0.12
(1,2133)	1:134:A:LEU:HB2	1:133:A:GLN:HB3	19	0.12
(1,2117)	1:110:A:ARG:HD2	1:110:A:ARG:HB2	2	0.12
(1,1998)	1:192:A:GLY:HA2	1:67:A:ALA:HB2	5	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	3	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	5	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	8	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	9	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	12	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	18	0.12
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	19	0.12
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	2	0.12
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	9	0.12
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	14	0.12
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	16	0.12
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	19	0.12
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	20	0.12
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	1	0.12
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	15	0.12
(1,1926)	1:157:A:ALA:HA	1:122:A:VAL:HG11	2	0.12
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	1	0.12
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD12	8	0.12
(1,1911)	1:83:A:ALA:HA	1:76:A:LEU:HD13	17	0.12
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG12	7	0.12
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG13	9	0.12
(1,1860)	1:121:A:LEU:HA	1:122:A:VAL:HG11	18	0.12
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	17	0.12
(1,1807)	1:148:A:ALA:HA	1:142:A:LEU:HD12	17	0.12
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	16	0.12
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	20	0.12
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	3	0.12
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	9	0.12
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	17	0.12
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	10	0.12
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	11	0.12
(1,1684)	1:110:A:ARG:HA	1:89:A:VAL:HG21	13	0.12
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD23	10	0.12
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	13	0.12
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	1	0.12
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	11	0.12
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	17	0.12
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	10	0.12
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	19	0.12
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	9	0.12
(1,1575)	1:138:A:PRO:HA	1:138:A:PRO:HD3	19	0.12
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	15	0.12
(1,1570)	1:85:A:SER:HB2	1:158:A:HIS:HB2	20	0.12
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	5	0.12
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	6	0.12
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	15	0.12
(1,1553)	1:164:A:SER:HB3	1:95:A:ARG:HG3	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	5	0.12
(1,1550)	1:164:A:SER:HB3	1:95:A:ARG:HG2	12	0.12
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	7	0.12
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	17	0.12
(1,1542)	1:166:A:SER:HB3	1:191:A:LYS:HB3	18	0.12
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD12	4	0.12
(1,1516)	1:163:A:SER:HB2	1:174:A:LEU:HD13	9	0.12
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	5	0.12
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	13	0.12
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	2	0.12
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	14	0.12
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	9	0.12
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	7	0.12
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	9	0.12
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG22	17	0.12
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	18	0.12
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	4	0.12
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	12	0.12
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	18	0.12
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	20	0.12
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	4	0.12
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG22	8	0.12
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG21	19	0.12
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	4	0.12
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	5	0.12
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	9	0.12
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	14	0.12
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	1	0.12
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	14	0.12
(1,1394)	1:163:A:SER:H	1:162:A:TYR:HD1	17	0.12
(1,1393)	1:162:A:TYR:H	1:162:A:TYR:HD2	12	0.12
(1,1393)	1:162:A:TYR:H	1:162:A:TYR:HD2	15	0.12
(1,1392)	1:158:A:HIS:H	1:159:A:TYR:HD1	4	0.12
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	3	0.12
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	9	0.12
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	10	0.12
(1,1383)	1:196:A:GLN:HG3	1:62:A:TYR:HD1	4	0.12
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	8	0.12
(1,1348)	1:105:A:ALA:HB3	1:64:A:TRP:HH2	17	0.12
(1,1321)	1:143:A:GLY:H	1:162:A:TYR:HE1	4	0.12
(1,1321)	1:143:A:GLY:H	1:162:A:TYR:HE1	15	0.12
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	12	0.12
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD23	13	0.12
(1,1273)	1:4:A:MET:H	1:3:A:HIS:HB3	9	0.12
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	10	0.12
(1,1241)	1:96:A:THR:H	1:168:A:ASN:H	18	0.12
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	13	0.12
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	16	0.12
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	6	0.12
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD11	19	0.12
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	7	0.12
(1,1179)	1:64:A:TRP:H	1:61:A:HIS:HD2	17	0.12
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	1	0.12
(1,1154)	1:180:A:LEU:H	1:178:A:LEU:H	15	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB2	1	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	5	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB3	6	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB2	10	0.12
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB2	13	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	4	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	6	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	9	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	10	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	11	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	13	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	14	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	19	0.12
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	20	0.12
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	17	0.12
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	2	0.12
(1,1080)	1:38:A:THR:H	1:38:A:THR:HB	14	0.12
(1,1074)	1:71:A:MET:H	1:68:A:MET:HA	18	0.12
(1,1069)	1:91:A:SER:H	1:142:A:LEU:HD23	15	0.12
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	12	0.12
(1,1050)	1:110:A:ARG:H	1:89:A:VAL:HG13	8	0.12
(1,1030)	1:125:A:GLN:H	1:125:A:GLN:HG2	1	0.12
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	3	0.12
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	1	0.12
(1,1011)	1:104:A:GLU:H	1:106:A:THR:H	5	0.12
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	5	0.12
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	13	0.12
(1,984)	1:140:A:ASP:H	1:140:A:ASP:HA	4	0.12
(1,981)	1:148:A:ALA:H	1:147:A:LYS:HE2	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:176:A:MET:H	1:71:A:MET:HE3	3	0.12
(1,976)	1:176:A:MET:H	1:192:A:GLY:H	18	0.12
(1,965)	1:36:A:VAL:H	1:35:A:SER:HB3	14	0.12
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	13	0.12
(1,940)	1:109:A:LEU:H	1:109:A:LEU:HD22	14	0.12
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	3	0.12
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	7	0.12
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	10	0.12
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	16	0.12
(1,903)	1:162:A:TYR:H	1:162:A:TYR:HE2	4	0.12
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG11	17	0.12
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	4	0.12
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	6	0.12
(1,888)	1:191:A:LYS:HD3	1:192:A:GLY:H	1	0.12
(1,882)	1:145:A:ARG:HD3	1:145:A:ARG:HB2	15	0.12
(1,851)	1:98:A:GLY:HA2	1:169:A:VAL:HB	7	0.12
(1,835)	1:131:A:LYS:HB3	1:151:A:ILE:HD11	17	0.12
(1,823)	1:151:A:ILE:HD12	1:147:A:LYS:HB3	16	0.12
(1,821)	1:161:A:LEU:HA	1:188:A:TRP:HE3	16	0.12
(1,809)	1:35:A:SER:HB2	1:35:A:SER:HA	8	0.12
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	5	0.12
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	12	0.12
(1,797)	1:142:A:LEU:HD11	1:142:A:LEU:HG	9	0.12
(1,797)	1:142:A:LEU:HD13	1:142:A:LEU:HG	19	0.12
(1,793)	1:25:A:GLU:HA	1:25:A:GLU:HG2	2	0.12
(1,779)	1:190:A:GLY:HA2	1:188:A:TRP:HZ3	5	0.12
(1,779)	1:71:A:MET:H	1:192:A:GLY:HA3	8	0.12
(1,768)	1:151:A:ILE:HD13	1:135:A:GLY:H	20	0.12
(1,760)	1:161:A:LEU:HA	1:75:A:MET:HE2	5	0.12
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	9	0.12
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	17	0.12
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB1	12	0.12
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	3	0.12
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG11	10	0.12
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	14	0.12
(1,684)	1:60:A:ARG:HG2	1:61:A:HIS:H	3	0.12
(1,680)	1:25:A:GLU:HB2	1:25:A:GLU:HG3	2	0.12
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB2	5	0.12
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	20	0.12
(1,656)	1:189:A:SER:HB3	1:177:A:GLN:HG2	12	0.12
(1,654)	1:125:A:GLN:HG2	1:125:A:GLN:HB3	20	0.12
(1,626)	1:145:A:ARG:HD3	1:145:A:ARG:HG2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:145:A:ARG:HD3	1:145:A:ARG:HG2	18	0.12
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG22	8	0.12
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG23	16	0.12
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD23	6	0.12
(1,572)	1:124:A:ALA:HA	1:127:A:LEU:HD22	10	0.12
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	16	0.12
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	20	0.12
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	6	0.12
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	13	0.12
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	16	0.12
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	17	0.12
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	6	0.12
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	10	0.12
(1,537)	1:59:A:ILE:HA	1:58:A:HIS:HB2	5	0.12
(1,537)	1:59:A:ILE:HA	1:58:A:HIS:HB2	13	0.12
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	12	0.12
(1,531)	1:53:A:ALA:H	1:52:A:THR:HA	19	0.12
(1,514)	1:138:A:PRO:HA	1:141:A:SER:HA	17	0.12
(1,473)	1:147:A:LYS:H	1:144:A:THR:HG22	8	0.12
(1,472)	1:65:A:ASN:HB2	1:108:A:THR:HG22	6	0.12
(1,462)	1:144:A:THR:H	1:142:A:LEU:HD11	7	0.12
(1,452)	1:181:A:VAL:HG12	1:159:A:TYR:HB2	4	0.12
(1,452)	1:181:A:VAL:HG13	1:159:A:TYR:HB2	20	0.12
(1,442)	1:74:A:LYS:HG2	1:75:A:MET:H	17	0.12
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	2	0.12
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	9	0.12
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	1	0.12
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	8	0.12
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	5	0.12
(1,403)	1:191:A:LYS:HD3	1:191:A:LYS:HA	14	0.12
(1,403)	1:191:A:LYS:HD3	1:191:A:LYS:HA	20	0.12
(1,367)	1:176:A:MET:HA	1:176:A:MET:HG3	7	0.12
(1,367)	1:176:A:MET:HA	1:176:A:MET:HG3	13	0.12
(1,363)	1:176:A:MET:HG2	1:75:A:MET:HE3	9	0.12
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	15	0.12
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	20	0.12
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	14	0.12
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	15	0.12
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB2	14	0.12
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	19	0.12
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	17	0.12
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,282)	1:80:A:GLY:HA2	1:79:A:ASP:HB3	1	0.12
(1,281)	1:79:A:ASP:HA	1:79:A:ASP:HB2	2	0.12
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	11	0.12
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	20	0.12
(1,256)	1:191:A:LYS:HA	1:191:A:LYS:HE2	16	0.12
(1,250)	1:131:A:LYS:HE2	1:130:A:ALA:HB1	17	0.12
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	19	0.12
(1,242)	1:74:A:LYS:HE2	1:71:A:MET:HA	2	0.12
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	8	0.12
(1,223)	1:95:A:ARG:HD2	1:95:A:ARG:HG3	6	0.12
(1,219)	1:95:A:ARG:H	1:95:A:ARG:HD3	9	0.12
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	16	0.12
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	6	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	3	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	4	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	5	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	6	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	10	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	14	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	15	0.12
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	17	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	7	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	10	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG21	13	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	16	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG23	18	0.12
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	19	0.12
(1,76)	1:89:A:VAL:HA	1:89:A:VAL:HG11	18	0.12
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	3	0.12
(1,59)	1:169:A:VAL:HA	1:168:A:ASN:HB3	10	0.12
(1,42)	1:70:A:PRO:HA	1:73:A:SER:HB3	1	0.12
(1,25)	1:181:A:VAL:HA	1:184:A:GLY:HA3	16	0.12
(1,25)	1:181:A:VAL:HA	1:184:A:GLY:HA3	20	0.12
(1,21)	1:108:A:THR:HB	1:109:A:LEU:HD22	17	0.12
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	6	0.12
(1,8)	1:119:A:PHE:HZ	1:85:A:SER:H	13	0.12
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	11	0.11
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	12	0.11
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	17	0.11
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	10	0.11
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	11	0.11
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	13	0.11
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	13	0.11
(1,5395)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	13	0.11
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	13	0.11
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	13	0.11
(1,5395)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	13	0.11
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	13	0.11
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	13	0.11
(1,5395)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	13	0.11
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	7	0.11
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	7	0.11
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	7	0.11
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	18	0.11
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	18	0.11
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	18	0.11
(1,5333)	1:75:A:MET:HE1	1:176:A:MET:HE1	19	0.11
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	11	0.11
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	12	0.11
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	17	0.11
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	10	0.11
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	11	0.11
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	15	0.11
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG21	13	0.11
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG22	13	0.11
(1,5214)	1:121:A:LEU:HD11	1:89:A:VAL:HG23	13	0.11
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG21	13	0.11
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG22	13	0.11
(1,5214)	1:121:A:LEU:HD12	1:89:A:VAL:HG23	13	0.11
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG21	13	0.11
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG22	13	0.11
(1,5214)	1:121:A:LEU:HD13	1:89:A:VAL:HG23	13	0.11
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	7	0.11
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	7	0.11
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	7	0.11
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	18	0.11
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	18	0.11
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	18	0.11
(1,5152)	1:75:A:MET:HE1	1:176:A:MET:HE1	19	0.11
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	9	0.11
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	18	0.11
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	19	0.11
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5129)	1:4:A:MET:H	1:3:A:HIS:HA	16	0.11
(1,5120)	1:14:A:GLU:H	1:13:A:VAL:HA	11	0.11
(1,5100)	1:16:A:VAL:H	1:15:A:GLU:HA	14	0.11
(1,5096)	1:24:A:ALA:H	1:23:A:PRO:HB2	9	0.11
(1,5094)	1:4:A:MET:H	1:4:A:MET:HG3	9	0.11
(1,5093)	1:4:A:MET:H	1:4:A:MET:HB2	3	0.11
(1,5091)	1:5:A:VAL:H	1:4:A:MET:HA	12	0.11
(1,5089)	1:5:A:VAL:H	1:5:A:VAL:HB	2	0.11
(1,5083)	1:9:A:GLU:H	1:8:A:ARG:HA	8	0.11
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	20	0.11
(1,5061)	1:84:A:GLY:H	1:76:A:LEU:HD13	17	0.11
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	8	0.11
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	13	0.11
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	15	0.11
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	16	0.11
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	17	0.11
(1,5020)	1:197:A:GLN:HE22	1:197:A:GLN:HB2	7	0.11
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	4	0.11
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	6	0.11
(1,5017)	1:196:A:GLN:HE22	1:60:A:ARG:HB3	18	0.11
(1,4985)	1:168:A:ASN:HD21	1:97:A:ASN:HD22	6	0.11
(1,4984)	1:65:A:ASN:HD21	1:69:A:GLN:HE22	10	0.11
(1,4974)	1:86:A:VAL:H	1:159:A:TYR:H	8	0.11
(1,4971)	1:159:A:TYR:H	1:181:A:VAL:HB	4	0.11
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	2	0.11
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	14	0.11
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	19	0.11
(1,4951)	1:163:A:SER:H	1:109:A:LEU:HD13	7	0.11
(1,4951)	1:163:A:SER:H	1:109:A:LEU:HD12	13	0.11
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	4	0.11
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	7	0.11
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	6	0.11
(1,4938)	1:116:A:ASN:H	1:115:A:ASN:HD21	20	0.11
(1,4936)	1:110:A:ARG:H	1:108:A:THR:H	1	0.11
(1,4936)	1:110:A:ARG:H	1:108:A:THR:H	7	0.11
(1,4903)	1:118:A:LYS:H	1:118:A:LYS:HG2	5	0.11
(1,4897)	1:58:A:HIS:H	1:57:A:PRO:HD2	8	0.11
(1,4897)	1:58:A:HIS:H	1:57:A:PRO:HD2	16	0.11
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB3	18	0.11
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	3	0.11
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	4	0.11
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	14	0.11
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	15	0.11
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	20	0.11
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	3	0.11
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	8	0.11
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	14	0.11
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	16	0.11
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	19	0.11
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	3	0.11
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	5	0.11
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	10	0.11
(1,4822)	1:36:A:VAL:H	1:35:A:SER:HA	18	0.11
(1,4797)	1:24:A:ALA:H	1:23:A:PRO:HA	9	0.11
(1,4791)	1:47:A:GLU:H	1:46:A:ILE:H	8	0.11
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	1	0.11
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	6	0.11
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	8	0.11
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	14	0.11
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	2	0.11
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	8	0.11
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	18	0.11
(1,4742)	1:161:A:LEU:H	1:161:A:LEU:HG	20	0.11
(1,4706)	1:83:A:ALA:H	1:81:A:VAL:HB	2	0.11
(1,4706)	1:83:A:ALA:H	1:81:A:VAL:HB	20	0.11
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	6	0.11
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB2	17	0.11
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	1	0.11
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	7	0.11
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	11	0.11
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	1	0.11
(1,4677)	1:79:A:ASP:H	1:77:A:GLY:H	8	0.11
(1,4666)	1:66:A:GLY:H	1:108:A:THR:HG23	2	0.11
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	3	0.11
(1,4665)	1:65:A:ASN:HD21	1:66:A:GLY:H	17	0.11
(1,4645)	1:98:A:GLY:H	1:100:A:LEU:HD21	11	0.11
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	3	0.11
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	6	0.11
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	16	0.11
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	20	0.11
(1,4570)	1:93:A:ASN:HD22	1:93:A:ASN:HB3	17	0.11
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	5	0.11
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	11	0.11
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	12	0.11
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	16	0.11
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	18	0.11
(1,4557)	1:101:A:ASN:H	1:101:A:ASN:HD22	20	0.11
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	16	0.11
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	18	0.11
(1,4547)	1:146:A:SER:H	1:144:A:THR:HB	20	0.11
(1,4533)	1:144:A:THR:H	1:147:A:LYS:H	1	0.11
(1,4533)	1:144:A:THR:H	1:147:A:LYS:H	18	0.11
(1,4533)	1:144:A:THR:H	1:147:A:LYS:H	20	0.11
(1,4526)	1:168:A:ASN:HD22	1:97:A:ASN:HD22	12	0.11
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	3	0.11
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	6	0.11
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	9	0.11
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	12	0.11
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	15	0.11
(1,4416)	1:163:A:SER:H	1:161:A:LEU:HG	20	0.11
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	4	0.11
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	17	0.11
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	18	0.11
(1,4389)	1:166:A:SER:H	1:174:A:LEU:HA	5	0.11
(1,4389)	1:166:A:SER:H	1:174:A:LEU:HA	12	0.11
(1,4389)	1:166:A:SER:H	1:174:A:LEU:HA	18	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	1	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	2	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	3	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	4	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	5	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	6	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	7	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	12	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	13	0.11
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	14	0.11
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB2	13	0.11
(1,4348)	1:125:A:GLN:H	1:124:A:ALA:HB1	17	0.11
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	7	0.11
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	4	0.11
(1,4296)	1:191:A:LYS:H	1:188:A:TRP:HZ2	19	0.11
(1,4284)	1:48:A:HIS:H	1:46:A:ILE:HG22	14	0.11
(1,4282)	1:48:A:HIS:H	1:48:A:HIS:HA	11	0.11
(1,4262)	1:13:A:VAL:H	1:12:A:PRO:HA	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4221)	1:160:A:VAL:H	1:87:A:LEU:HD23	4	0.11
(1,4198)	1:50:A:ASP:H	1:50:A:ASP:HB2	20	0.11
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	5	0.11
(1,4188)	1:140:A:ASP:H	1:140:A:ASP:HB3	17	0.11
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	9	0.11
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	10	0.11
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	17	0.11
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	2	0.11
(1,4138)	1:49:A:GLU:H	1:48:A:HIS:HA	10	0.11
(1,4114)	1:147:A:LYS:H	1:144:A:THR:HG23	1	0.11
(1,4111)	1:130:A:ALA:H	1:129:A:MET:HB3	13	0.11
(1,4111)	1:130:A:ALA:H	1:129:A:MET:HB3	18	0.11
(1,4111)	1:130:A:ALA:H	1:129:A:MET:HB3	20	0.11
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	3	0.11
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	10	0.11
(1,4109)	1:130:A:ALA:H	1:129:A:MET:HG3	14	0.11
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	11	0.11
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	12	0.11
(1,4068)	1:59:A:ILE:H	1:59:A:ILE:HG12	6	0.11
(1,4063)	1:92:A:VAL:H	1:91:A:SER:HB2	16	0.11
(1,4052)	1:78:A:ALA:H	1:74:A:LYS:HA	5	0.11
(1,4039)	1:124:A:ALA:H	1:127:A:LEU:HB3	7	0.11
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	1	0.11
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	8	0.11
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	16	0.11
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	18	0.11
(1,4006)	1:121:A:LEU:H	1:121:A:LEU:HB3	7	0.11
(1,4006)	1:121:A:LEU:H	1:121:A:LEU:HB3	9	0.11
(1,4005)	1:121:A:LEU:H	1:121:A:LEU:HG	20	0.11
(1,3980)	1:53:A:ALA:H	1:52:A:THR:HA	11	0.11
(1,3952)	1:180:A:LEU:H	1:180:A:LEU:HD23	17	0.11
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG22	15	0.11
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG23	20	0.11
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	3	0.11
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	11	0.11
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	13	0.11
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	19	0.11
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	14	0.11
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	16	0.11
(1,3863)	1:62:A:TYR:H	1:61:A:HIS:HB2	20	0.11
(1,3850)	1:182:A:GLN:HG2	1:182:A:GLN:H	8	0.11
(1,3850)	1:182:A:GLN:HG2	1:182:A:GLN:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	10	0.11
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	15	0.11
(1,3777)	1:129:A:MET:HG3	1:128:A:SER:HB3	3	0.11
(1,3767)	1:131:A:LYS:HD2	1:131:A:LYS:H	14	0.11
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	9	0.11
(1,3764)	1:131:A:LYS:HD3	1:131:A:LYS:HA	19	0.11
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD12	7	0.11
(1,3757)	1:132:A:GLN:HE21	1:132:A:GLN:HG2	2	0.11
(1,3757)	1:132:A:GLN:HE21	1:132:A:GLN:HG2	4	0.11
(1,3757)	1:132:A:GLN:HE21	1:132:A:GLN:HG2	7	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	1	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	6	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	7	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	9	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	10	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	14	0.11
(1,3736)	1:159:A:TYR:HB2	1:178:A:LEU:HG	17	0.11
(1,3719)	1:182:A:GLN:HG2	1:182:A:GLN:HA	8	0.11
(1,3716)	1:63:A:ASP:HB3	1:197:A:GLN:HG2	3	0.11
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	3	0.11
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	20	0.11
(1,3704)	1:188:A:TRP:H	1:186:A:ILE:HG23	9	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	1	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	3	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	4	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	7	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	8	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	9	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	10	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	11	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG22	13	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	14	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	15	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	16	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	17	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG23	19	0.11
(1,3698)	1:186:A:ILE:HB	1:186:A:ILE:HG21	20	0.11
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	3	0.11
(1,3696)	1:35:A:SER:H	1:34:A:PRO:HB2	13	0.11
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	11	0.11
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	13	0.11
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	6	0.11
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	9	0.11
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	10	0.11
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	14	0.11
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	18	0.11
(1,3657)	1:136:A:LEU:HB2	1:136:A:LEU:HD12	11	0.11
(1,3594)	1:145:A:ARG:HG2	1:162:A:TYR:HE2	8	0.11
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	5	0.11
(1,3560)	1:187:A:ILE:HD11	1:159:A:TYR:HD2	19	0.11
(1,3556)	1:80:A:GLY:HA2	1:187:A:ILE:HD13	12	0.11
(1,3531)	1:105:A:ALA:HB3	1:101:A:ASN:HA	6	0.11
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	15	0.11
(1,3531)	1:105:A:ALA:HB1	1:101:A:ASN:HA	19	0.11
(1,3530)	1:108:A:THR:HB	1:105:A:ALA:HB2	10	0.11
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	4	0.11
(1,3510)	1:75:A:MET:HE2	1:119:A:PHE:HE2	12	0.11
(1,3500)	1:59:A:ILE:HA	1:59:A:ILE:HG22	8	0.11
(1,3487)	1:113:A:LEU:HD21	1:112:A:ALA:HB2	3	0.11
(1,3487)	1:113:A:LEU:HD22	1:112:A:ALA:HB1	18	0.11
(1,3468)	1:176:A:MET:H	1:71:A:MET:HE3	16	0.11
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	9	0.11
(1,3461)	1:179:A:MET:HE3	1:159:A:TYR:HA	17	0.11
(1,3460)	1:191:A:LYS:HA	1:71:A:MET:HE3	2	0.11
(1,3440)	1:179:A:MET:HE1	1:160:A:VAL:HG12	2	0.11
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG12	4	0.11
(1,3433)	1:102:A:ALA:HB1	1:93:A:ASN:HA	12	0.11
(1,3433)	1:102:A:ALA:HB1	1:93:A:ASN:HA	19	0.11
(1,3426)	1:176:A:MET:HE2	1:188:A:TRP:HZ3	14	0.11
(1,3415)	1:187:A:ILE:HG22	1:159:A:TYR:HE2	13	0.11
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB2	8	0.11
(1,3410)	1:114:A:ALA:H	1:114:A:ALA:HB3	19	0.11
(1,3397)	1:127:A:LEU:HA	1:130:A:ALA:HB2	3	0.11
(1,3387)	1:155:A:VAL:HG22	1:130:A:ALA:HB3	9	0.11
(1,3380)	1:92:A:VAL:HG22	1:68:A:MET:HE1	3	0.11
(1,3380)	1:92:A:VAL:HG22	1:68:A:MET:HE1	5	0.11
(1,3380)	1:92:A:VAL:HG23	1:68:A:MET:HE1	14	0.11
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	1	0.11
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	3	0.11
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	14	0.11
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	18	0.11
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	19	0.11
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	5	0.11
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	10	0.11
(1,3360)	1:148:A:ALA:HB1	1:145:A:ARG:H	20	0.11
(1,3341)	1:157:A:ALA:HB2	1:122:A:VAL:HG13	13	0.11
(1,3340)	1:92:A:VAL:HG11	1:165:A:ALA:HB3	2	0.11
(1,3340)	1:92:A:VAL:HG12	1:165:A:ALA:HB1	5	0.11
(1,3334)	1:24:A:ALA:H	1:24:A:ALA:HB3	16	0.11
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG11	1	0.11
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG12	6	0.11
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG11	11	0.11
(1,3312)	1:92:A:VAL:HG12	1:105:A:ALA:HB2	16	0.11
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG12	7	0.11
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG13	8	0.11
(1,3311)	1:160:A:VAL:HG21	1:160:A:VAL:HG13	9	0.11
(1,3311)	1:160:A:VAL:HG23	1:160:A:VAL:HG13	12	0.11
(1,3301)	1:193:A:ALA:HB2	1:193:A:ALA:HA	1	0.11
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	4	0.11
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	5	0.11
(1,3301)	1:193:A:ALA:HB3	1:193:A:ALA:HA	7	0.11
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	8	0.11
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	9	0.11
(1,3301)	1:193:A:ALA:HB2	1:193:A:ALA:HA	10	0.11
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	14	0.11
(1,3301)	1:193:A:ALA:HB2	1:193:A:ALA:HA	17	0.11
(1,3301)	1:193:A:ALA:HB2	1:193:A:ALA:HA	18	0.11
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB3	1	0.11
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB2	3	0.11
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB3	16	0.11
(1,3253)	1:174:A:LEU:H	1:173:A:THR:HG23	7	0.11
(1,3244)	1:81:A:VAL:HG11	1:119:A:PHE:HZ	14	0.11
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD23	8	0.11
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD21	12	0.11
(1,3229)	1:147:A:LYS:HE3	1:136:A:LEU:HD22	16	0.11
(1,3226)	1:76:A:LEU:HD21	1:82:A:THR:H	10	0.11
(1,3179)	1:180:A:LEU:HD21	1:180:A:LEU:HD12	18	0.11
(1,3172)	1:181:A:VAL:HG11	1:159:A:TYR:HD1	14	0.11
(1,3134)	1:59:A:ILE:HG12	1:58:A:HIS:HA	16	0.11
(1,3133)	1:95:A:ARG:HG2	1:94:A:ASN:HA	4	0.11
(1,3103)	1:75:A:MET:HG3	1:188:A:TRP:HE3	12	0.11
(1,3100)	1:63:A:ASP:HA	1:197:A:GLN:HB2	13	0.11
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	2	0.11
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	8	0.11
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	20	0.11
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	7	0.11
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	2	0.11
(1,3010)	1:162:A:TYR:HB3	1:162:A:TYR:HE1	10	0.11
(1,3001)	1:110:A:ARG:HD3	1:106:A:THR:HG23	11	0.11
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	8	0.11
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	12	0.11
(1,2973)	1:135:A:GLY:HA3	1:136:A:LEU:HA	20	0.11
(1,2948)	1:62:A:TYR:HA	1:63:A:ASP:HA	2	0.11
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	3	0.11
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	15	0.11
(1,2944)	1:168:A:ASN:HD22	1:168:A:ASN:HA	20	0.11
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	3	0.11
(1,2915)	1:124:A:ALA:HA	1:122:A:VAL:HG22	20	0.11
(1,2910)	1:170:A:ASN:HA	1:62:A:TYR:HE1	10	0.11
(1,2876)	1:195:A:SER:HB3	1:195:A:SER:HA	10	0.11
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	6	0.11
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	3	0.11
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	13	0.11
(1,2805)	1:91:A:SER:HB3	1:139:A:GLN:H	15	0.11
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	6	0.11
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	12	0.11
(1,2799)	1:137:A:SER:HB3	1:139:A:GLN:HB3	18	0.11
(1,2794)	1:141:A:SER:HB2	1:93:A:ASN:HA	12	0.11
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	1	0.11
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	11	0.11
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	13	0.11
(1,2788)	1:195:A:SER:HB3	1:195:A:SER:H	20	0.11
(1,2785)	1:195:A:SER:HB2	1:63:A:ASP:HA	12	0.11
(1,2785)	1:195:A:SER:HB2	1:63:A:ASP:HA	18	0.11
(1,2783)	1:197:A:GLN:HG2	1:195:A:SER:HB2	13	0.11
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	12	0.11
(1,2777)	1:138:A:PRO:HA	1:128:A:SER:HB2	19	0.11
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	14	0.11
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	15	0.11
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	16	0.11
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	5	0.11
(1,2737)	1:52:A:THR:HB	1:52:A:THR:HA	20	0.11
(1,2728)	1:144:A:THR:HB	1:144:A:THR:HG21	2	0.11
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	3	0.11
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:194:A:VAL:HG11	1:194:A:VAL:HG21	2	0.11
(1,2710)	1:191:A:LYS:HB2	1:173:A:THR:HG21	9	0.11
(1,2702)	1:183:A:THR:H	1:183:A:THR:HG21	7	0.11
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG23	3	0.11
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG21	7	0.11
(1,2673)	1:92:A:VAL:H	1:106:A:THR:HG21	8	0.11
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG21	8	0.11
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG21	18	0.11
(1,2664)	1:136:A:LEU:HA	1:136:A:LEU:HD23	16	0.11
(1,2662)	1:134:A:LEU:HA	1:134:A:LEU:HD22	7	0.11
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	4	0.11
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	6	0.11
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD11	8	0.11
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	12	0.11
(1,2656)	1:76:A:LEU:HD12	1:76:A:LEU:HD23	16	0.11
(1,2642)	1:131:A:LYS:HE2	1:142:A:LEU:HD11	20	0.11
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	11	0.11
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	12	0.11
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	13	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	1	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	2	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	3	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	4	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	5	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	6	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	7	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	9	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	10	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	12	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	13	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	16	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	18	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	19	0.11
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	20	0.11
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	3	0.11
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	6	0.11
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	7	0.11
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	13	0.11
(1,2563)	1:34:A:PRO:HG3	1:34:A:PRO:HA	14	0.11
(1,2554)	1:113:A:LEU:HD23	1:119:A:PHE:HD2	5	0.11
(1,2554)	1:113:A:LEU:HD21	1:119:A:PHE:HD2	13	0.11
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	13	0.11
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	14	0.11
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	11	0.11
(1,2491)	1:182:A:GLN:HB2	1:180:A:LEU:HG	18	0.11
(1,2491)	1:182:A:GLN:HB2	1:180:A:LEU:HG	20	0.11
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	16	0.11
(1,2479)	1:145:A:ARG:HB2	1:149:A:ILE:HD13	1	0.11
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	20	0.11
(1,2431)	1:158:A:HIS:HB3	1:159:A:TYR:HD1	10	0.11
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	13	0.11
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	17	0.11
(1,2352)	1:71:A:MET:HG2	1:71:A:MET:HA	20	0.11
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	19	0.11
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	3	0.11
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	8	0.11
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	14	0.11
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	15	0.11
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	20	0.11
(1,2290)	1:97:A:ASN:HB2	1:96:A:THR:HA	7	0.11
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	10	0.11
(1,2270)	1:94:A:ASN:HB3	1:165:A:ALA:HB1	11	0.11
(1,2250)	1:94:A:ASN:HB2	1:99:A:SER:HA	9	0.11
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	9	0.11
(1,2138)	1:131:A:LYS:HE3	1:142:A:LEU:HA	7	0.11
(1,2133)	1:134:A:LEU:HB2	1:133:A:GLN:HB3	7	0.11
(1,2122)	1:136:A:LEU:HB3	1:131:A:LYS:HA	12	0.11
(1,2103)	1:88:A:LEU:HB3	1:88:A:LEU:HD23	1	0.11
(1,2103)	1:88:A:LEU:HB3	1:88:A:LEU:HD23	18	0.11
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	7	0.11
(1,2018)	1:84:A:GLY:HA3	1:119:A:PHE:HA	10	0.11
(1,1998)	1:192:A:GLY:HA2	1:67:A:ALA:HB2	12	0.11
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	1	0.11
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	4	0.11
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	6	0.11
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	10	0.11
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	13	0.11
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	7	0.11
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	18	0.11
(1,1973)	1:178:A:LEU:HB2	1:188:A:TRP:HB3	7	0.11
(1,1955)	1:144:A:THR:H	1:143:A:GLY:HA2	16	0.11
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	11	0.11
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	20	0.11
(1,1897)	1:94:A:ASN:HA	1:95:A:ARG:HG3	16	0.11
(1,1847)	1:88:A:LEU:HA	1:122:A:VAL:HG22	5	0.11
(1,1842)	1:112:A:ALA:HA	1:114:A:ALA:H	8	0.11
(1,1842)	1:112:A:ALA:HA	1:114:A:ALA:H	16	0.11
(1,1842)	1:112:A:ALA:HA	1:114:A:ALA:H	20	0.11
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD12	20	0.11
(1,1800)	1:61:A:HIS:H	1:60:A:ARG:HA	1	0.11
(1,1800)	1:61:A:HIS:H	1:60:A:ARG:HA	10	0.11
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	11	0.11
(1,1766)	1:164:A:SER:HA	1:94:A:ASN:HA	2	0.11
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	20	0.11
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	14	0.11
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	9	0.11
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	16	0.11
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	20	0.11
(1,1693)	1:59:A:ILE:HA	1:59:A:ILE:HG13	14	0.11
(1,1678)	1:131:A:LYS:HA	1:131:A:LYS:HE3	8	0.11
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	1	0.11
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	2	0.11
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	5	0.11
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	7	0.11
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	10	0.11
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD21	3	0.11
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD22	4	0.11
(1,1652)	1:89:A:VAL:HA	1:87:A:LEU:HD23	16	0.11
(1,1631)	1:86:A:VAL:HA	1:121:A:LEU:HA	8	0.11
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	3	0.11
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	19	0.11
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	7	0.11
(1,1617)	1:91:A:SER:HB3	1:106:A:THR:HG22	16	0.11
(1,1592)	1:151:A:ILE:HA	1:154:A:ASN:HB2	3	0.11
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	5	0.11
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	14	0.11
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	20	0.11
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	6	0.11
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	8	0.11
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	9	0.11
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	12	0.11
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	14	0.11
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	15	0.11
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	8	0.11
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	10	0.11
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	17	0.11
(1,1569)	1:85:A:SER:HB2	1:158:A:HIS:HB3	20	0.11
(1,1549)	1:164:A:SER:HB3	1:175:A:GLN:HB2	12	0.11
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	7	0.11
(1,1503)	1:106:A:THR:HA	1:92:A:VAL:HB	20	0.11
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	7	0.11
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	9	0.11
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	10	0.11
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	15	0.11
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	1	0.11
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	10	0.11
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	12	0.11
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	16	0.11
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	19	0.11
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	20	0.11
(1,1471)	1:173:A:THR:HB	1:175:A:GLN:HB2	6	0.11
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	7	0.11
(1,1454)	1:82:A:THR:HB	1:81:A:VAL:HG23	16	0.11
(1,1439)	1:178:A:LEU:HD12	1:159:A:TYR:HD2	5	0.11
(1,1439)	1:178:A:LEU:HD11	1:159:A:TYR:HD2	18	0.11
(1,1436)	1:62:A:TYR:HB3	1:62:A:TYR:HD2	18	0.11
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	9	0.11
(1,1427)	1:71:A:MET:HG3	1:188:A:TRP:HH2	17	0.11
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG23	6	0.11
(1,1404)	1:64:A:TRP:HH2	1:194:A:VAL:HG21	9	0.11
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	8	0.11
(1,1393)	1:162:A:TYR:H	1:162:A:TYR:HD2	20	0.11
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	13	0.11
(1,1383)	1:196:A:GLN:HG3	1:62:A:TYR:HD1	20	0.11
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	13	0.11
(1,1329)	1:178:A:LEU:HB3	1:188:A:TRP:HE3	19	0.11
(1,1325)	1:100:A:LEU:HB3	1:62:A:TYR:HE2	14	0.11
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	2	0.11
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	15	0.11
(1,1304)	1:105:A:ALA:HB3	1:64:A:TRP:HD1	1	0.11
(1,1304)	1:105:A:ALA:HB1	1:64:A:TRP:HD1	10	0.11
(1,1292)	1:85:A:SER:HB2	1:159:A:TYR:HD1	2	0.11
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB3	7	0.11
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB2	16	0.11
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB1	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1278)	1:94:A:ASN:HD22	1:102:A:ALA:HB3	19	0.11
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	2	0.11
(1,1261)	1:177:A:GLN:HE22	1:177:A:GLN:HB2	6	0.11
(1,1220)	1:65:A:ASN:HD22	1:66:A:GLY:HA2	17	0.11
(1,1219)	1:65:A:ASN:HD21	1:66:A:GLY:HA2	19	0.11
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	10	0.11
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	18	0.11
(1,1190)	1:74:A:LYS:H	1:76:A:LEU:HD12	5	0.11
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	1	0.11
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	9	0.11
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	19	0.11
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	1	0.11
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	6	0.11
(1,1182)	1:122:A:VAL:H	1:119:A:PHE:HB3	8	0.11
(1,1177)	1:47:A:GLU:H	1:46:A:ILE:HG21	8	0.11
(1,1168)	1:197:A:GLN:H	1:196:A:GLN:HE21	13	0.11
(1,1168)	1:197:A:GLN:H	1:64:A:TRP:HD1	17	0.11
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	7	0.11
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	8	0.11
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	18	0.11
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB3	11	0.11
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	12	0.11
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB2	17	0.11
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	18	0.11
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	5	0.11
(1,1127)	1:156:A:GLY:H	1:155:A:VAL:HA	7	0.11
(1,1122)	1:84:A:GLY:H	1:83:A:ALA:HB2	6	0.11
(1,1092)	1:76:A:LEU:H	1:76:A:LEU:HD11	19	0.11
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	1	0.11
(1,1089)	1:76:A:LEU:H	1:73:A:SER:HA	7	0.11
(1,1086)	1:164:A:SER:H	1:163:A:SER:HB2	15	0.11
(1,1045)	1:166:A:SER:H	1:167:A:GLY:H	20	0.11
(1,1023)	1:69:A:GLN:H	1:72:A:VAL:H	19	0.11
(1,1021)	1:170:A:ASN:H	1:170:A:ASN:HD21	20	0.11
(1,1007)	1:158:A:HIS:H	1:87:A:LEU:HD22	2	0.11
(1,1002)	1:171:A:ALA:H	1:168:A:ASN:HB3	19	0.11
(1,992)	1:46:A:ILE:H	1:46:A:ILE:HD12	2	0.11
(1,974)	1:114:A:ALA:H	1:115:A:ASN:HB3	14	0.11
(1,967)	1:75:A:MET:H	1:75:A:MET:HG2	2	0.11
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	5	0.11
(1,932)	1:121:A:LEU:H	1:120:A:THR:HB	13	0.11
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:64:A:TRP:HE1	1:102:A:ALA:HA	9	0.11
(1,885)	1:72:A:VAL:HG23	1:71:A:MET:HB2	2	0.11
(1,879)	1:58:A:HIS:HB3	1:57:A:PRO:HA	9	0.11
(1,879)	1:58:A:HIS:HB3	1:57:A:PRO:HA	20	0.11
(1,823)	1:151:A:ILE:HD11	1:147:A:LYS:HB3	9	0.11
(1,822)	1:17:A:LYS:HB3	1:17:A:LYS:HE3	15	0.11
(1,822)	1:147:A:LYS:HB3	1:147:A:LYS:HE2	16	0.11
(1,809)	1:35:A:SER:HB2	1:35:A:SER:HA	20	0.11
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	7	0.11
(1,782)	1:16:A:VAL:HG21	1:16:A:VAL:HB	18	0.11
(1,779)	1:71:A:MET:H	1:192:A:GLY:HA3	12	0.11
(1,768)	1:151:A:ILE:HD12	1:135:A:GLY:H	4	0.11
(1,768)	1:151:A:ILE:HD11	1:135:A:GLY:H	8	0.11
(1,742)	1:144:A:THR:H	1:148:A:ALA:HB2	19	0.11
(1,732)	1:87:A:LEU:HA	1:157:A:ALA:HB3	2	0.11
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	12	0.11
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD23	3	0.11
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD22	6	0.11
(1,682)	1:110:A:ARG:HG3	1:113:A:LEU:HD22	9	0.11
(1,673)	1:8:A:ARG:HB2	1:8:A:ARG:HG3	7	0.11
(1,673)	1:8:A:ARG:HB2	1:8:A:ARG:HG3	18	0.11
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	15	0.11
(1,660)	1:126:A:GLN:HA	1:129:A:MET:HG3	17	0.11
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	4	0.11
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	11	0.11
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG21	1	0.11
(1,597)	1:165:A:ALA:HA	1:175:A:GLN:HB3	1	0.11
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD21	12	0.11
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD22	14	0.11
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD22	15	0.11
(1,584)	1:51:A:GLN:H	1:50:A:ASP:HA	17	0.11
(1,575)	1:148:A:ALA:HA	1:179:A:MET:HE3	19	0.11
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG22	3	0.11
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG21	14	0.11
(1,559)	1:197:A:GLN:HA	1:62:A:TYR:HA	13	0.11
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	4	0.11
(1,552)	1:182:A:GLN:HA	1:153:A:ARG:HD2	5	0.11
(1,549)	1:126:A:GLN:HA	1:129:A:MET:HG2	17	0.11
(1,548)	1:104:A:GLU:HA	1:104:A:GLU:HG3	20	0.11
(1,537)	1:59:A:ILE:HA	1:58:A:HIS:HB2	9	0.11
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	4	0.11
(1,532)	1:39:A:ILE:H	1:38:A:THR:HA	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:39:A:ILE:H	1:38:A:THR:HA	14	0.11
(1,508)	1:85:A:SER:HB3	1:86:A:VAL:HA	8	0.11
(1,493)	1:163:A:SER:HB3	1:68:A:MET:HE1	18	0.11
(1,452)	1:181:A:VAL:HG11	1:159:A:TYR:HB2	8	0.11
(1,442)	1:74:A:LYS:HG2	1:75:A:MET:H	4	0.11
(1,442)	1:74:A:LYS:HG2	1:75:A:MET:H	18	0.11
(1,437)	1:178:A:LEU:HD12	1:188:A:TRP:HA	2	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD21	1	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD23	3	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD23	8	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	10	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	13	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	15	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD21	16	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD22	18	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD21	19	0.11
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD23	20	0.11
(1,422)	1:133:A:GLN:HB2	1:134:A:LEU:HA	11	0.11
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	15	0.11
(1,403)	1:191:A:LYS:HD3	1:191:A:LYS:HA	16	0.11
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	17	0.11
(1,403)	1:191:A:LYS:HD2	1:191:A:LYS:HA	19	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	2	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	3	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	4	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	6	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	8	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	12	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	13	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	14	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	15	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	16	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	17	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	18	0.11
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	19	0.11
(1,356)	1:172:A:PRO:HB2	1:62:A:TYR:HE2	10	0.11
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	5	0.11
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	10	0.11
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	12	0.11
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	13	0.11
(1,347)	1:69:A:GLN:HG2	1:112:A:ALA:H	18	0.11
(1,343)	1:71:A:MET:HG3	1:74:A:LYS:HD2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	19	0.11
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	10	0.11
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	13	0.11
(1,324)	1:192:A:GLY:HA3	1:191:A:LYS:HB2	15	0.11
(1,317)	1:142:A:LEU:HA	1:151:A:ILE:HB	11	0.11
(1,300)	1:59:A:ILE:HB	1:58:A:HIS:HB3	15	0.11
(1,298)	1:170:A:ASN:HB2	1:169:A:VAL:HG13	1	0.11
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD21	2	0.11
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD22	15	0.11
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	19	0.11
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	4	0.11
(1,246)	1:74:A:LYS:HE2	1:188:A:TRP:HZ2	8	0.11
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	12	0.11
(1,229)	1:60:A:ARG:HD2	1:60:A:ARG:HB2	18	0.11
(1,228)	1:60:A:ARG:HD2	1:170:A:ASN:HA	10	0.11
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	4	0.11
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	12	0.11
(1,165)	1:143:A:GLY:HA3	1:147:A:LYS:HD2	12	0.11
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	3	0.11
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	5	0.11
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	11	0.11
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	8	0.11
(1,152)	1:101:A:ASN:HA	1:100:A:LEU:HB2	12	0.11
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	9	0.11
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	10	0.11
(1,121)	1:191:A:LYS:HA	1:176:A:MET:HG2	14	0.11
(1,121)	1:191:A:LYS:HA	1:191:A:LYS:HE3	18	0.11
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	2	0.11
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	8	0.11
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	12	0.11
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	14	0.11
(1,91)	1:186:A:ILE:HA	1:179:A:MET:HG3	8	0.11
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	4	0.11
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	5	0.11
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	6	0.11
(1,85)	1:131:A:LYS:HA	1:151:A:ILE:HG13	15	0.11
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	1	0.11
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG21	12	0.11
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	20	0.11
(1,75)	1:89:A:VAL:HA	1:89:A:VAL:HG22	2	0.11
(1,5459)	1:176:A:MET:HE1	1:71:A:MET:HE1	1	0.1
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	3	0.1
(1,5458)	1:176:A:MET:HE1	1:68:A:MET:HE1	19	0.1
(1,5334)	1:76:A:LEU:HD11	1:75:A:MET:HE1	10	0.1
(1,5334)	1:76:A:LEU:HD12	1:75:A:MET:HE1	10	0.1
(1,5334)	1:76:A:LEU:HD13	1:75:A:MET:HE1	10	0.1
(1,5278)	1:176:A:MET:HE1	1:71:A:MET:HE1	1	0.1
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	2	0.1
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	3	0.1
(1,5277)	1:176:A:MET:HE1	1:68:A:MET:HE1	19	0.1
(1,5153)	1:76:A:LEU:HD11	1:75:A:MET:HE1	10	0.1
(1,5153)	1:76:A:LEU:HD12	1:75:A:MET:HE1	10	0.1
(1,5153)	1:76:A:LEU:HD13	1:75:A:MET:HE1	10	0.1
(1,5131)	1:13:A:VAL:H	1:13:A:VAL:HA	12	0.1
(1,5130)	1:49:A:GLU:H	1:48:A:HIS:HB3	2	0.1
(1,5122)	1:39:A:ILE:H	1:38:A:THR:HA	19	0.1
(1,5120)	1:14:A:GLU:H	1:13:A:VAL:HA	14	0.1
(1,5111)	1:197:A:GLN:HE21	1:63:A:ASP:HB2	7	0.1
(1,5111)	1:197:A:GLN:HE21	1:63:A:ASP:HB2	14	0.1
(1,5100)	1:16:A:VAL:H	1:15:A:GLU:HA	4	0.1
(1,5098)	1:33:A:VAL:H	1:32:A:THR:HA	20	0.1
(1,5087)	1:6:A:GLY:H	1:3:A:HIS:HA	20	0.1
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	1	0.1
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	7	0.1
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	11	0.1
(1,5069)	1:167:A:GLY:H	1:96:A:THR:H	17	0.1
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	4	0.1
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	10	0.1
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	11	0.1
(1,5046)	1:192:A:GLY:H	1:190:A:GLY:H	18	0.1
(1,5026)	1:132:A:GLN:HE21	1:129:A:MET:HA	11	0.1
(1,5026)	1:132:A:GLN:HE21	1:129:A:MET:HA	16	0.1
(1,5020)	1:197:A:GLN:HE22	1:197:A:GLN:HB2	11	0.1
(1,5018)	1:196:A:GLN:HE21	1:60:A:ARG:HB2	18	0.1
(1,4971)	1:159:A:TYR:H	1:181:A:VAL:HB	10	0.1
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	11	0.1
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	15	0.1
(1,4957)	1:71:A:MET:H	1:72:A:VAL:HA	16	0.1
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	6	0.1
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	12	0.1
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	13	0.1
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	15	0.1
(1,4947)	1:164:A:SER:H	1:163:A:SER:H	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4897)	1:58:A:HIS:H	1:57:A:PRO:HD2	1	0.1
(1,4863)	1:101:A:ASN:H	1:105:A:ALA:HB1	16	0.1
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	17	0.1
(1,4853)	1:188:A:TRP:H	1:188:A:TRP:HZ3	18	0.1
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	6	0.1
(1,4847)	1:104:A:GLU:H	1:107:A:GLU:H	17	0.1
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	9	0.1
(1,4843)	1:107:A:GLU:H	1:104:A:GLU:HA	18	0.1
(1,4822)	1:36:A:VAL:H	1:35:A:SER:HA	3	0.1
(1,4783)	1:124:A:ALA:H	1:122:A:VAL:HG21	18	0.1
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	11	0.1
(1,4769)	1:121:A:LEU:H	1:110:A:ARG:HA	14	0.1
(1,4763)	1:197:A:GLN:H	1:62:A:TYR:HB3	9	0.1
(1,4751)	1:90:A:ASP:H	1:89:A:VAL:HB	11	0.1
(1,4751)	1:90:A:ASP:H	1:89:A:VAL:HB	17	0.1
(1,4738)	1:161:A:LEU:H	1:159:A:TYR:HD2	16	0.1
(1,4706)	1:83:A:ALA:H	1:81:A:VAL:HB	1	0.1
(1,4706)	1:83:A:ALA:H	1:81:A:VAL:HB	16	0.1
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB3	16	0.1
(1,4705)	1:102:A:ALA:H	1:105:A:ALA:HB3	19	0.1
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	3	0.1
(1,4692)	1:64:A:TRP:HE1	1:65:A:ASN:H	20	0.1
(1,4672)	1:143:A:GLY:H	1:141:A:SER:HA	12	0.1
(1,4643)	1:98:A:GLY:H	1:97:A:ASN:HB2	5	0.1
(1,4638)	1:98:A:GLY:H	1:96:A:THR:HA	10	0.1
(1,4603)	1:192:A:GLY:H	1:191:A:LYS:HB2	13	0.1
(1,4570)	1:93:A:ASN:HD22	1:93:A:ASN:HB3	4	0.1
(1,4570)	1:93:A:ASN:HD22	1:93:A:ASN:HB3	6	0.1
(1,4570)	1:93:A:ASN:HD22	1:93:A:ASN:HB3	18	0.1
(1,4569)	1:93:A:ASN:HD22	1:93:A:ASN:HA	16	0.1
(1,4548)	1:146:A:SER:H	1:146:A:SER:HA	14	0.1
(1,4533)	1:144:A:THR:H	1:147:A:LYS:H	2	0.1
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	12	0.1
(1,4463)	1:38:A:THR:H	1:37:A:PRO:HB3	20	0.1
(1,4390)	1:166:A:SER:H	1:172:A:PRO:HA	14	0.1
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	9	0.1
(1,4372)	1:134:A:LEU:H	1:133:A:GLN:HA	19	0.1
(1,4335)	1:137:A:SER:H	1:136:A:LEU:HB2	17	0.1
(1,4318)	1:170:A:ASN:H	1:170:A:ASN:HD22	6	0.1
(1,4236)	1:74:A:LYS:H	1:74:A:LYS:HG2	4	0.1
(1,4199)	1:50:A:ASP:H	1:49:A:GLU:HG3	4	0.1
(1,4155)	1:81:A:VAL:H	1:79:A:ASP:HA	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4086)	1:112:A:ALA:H	1:111:A:ASN:HB3	3	0.1
(1,4074)	1:122:A:VAL:H	1:122:A:VAL:HB	16	0.1
(1,4068)	1:59:A:ILE:H	1:59:A:ILE:HG12	3	0.1
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	11	0.1
(1,4023)	1:60:A:ARG:H	1:60:A:ARG:HB2	14	0.1
(1,4017)	1:169:A:VAL:H	1:96:A:THR:HA	7	0.1
(1,3946)	1:174:A:LEU:H	1:194:A:VAL:HG22	4	0.1
(1,3876)	1:74:A:LYS:HB2	1:188:A:TRP:HH2	10	0.1
(1,3850)	1:182:A:GLN:HG2	1:182:A:GLN:H	13	0.1
(1,3847)	1:73:A:SER:HB2	1:69:A:GLN:HE22	8	0.1
(1,3812)	1:160:A:VAL:HG22	1:90:A:ASP:HA	4	0.1
(1,3758)	1:136:A:LEU:H	1:136:A:LEU:HD11	17	0.1
(1,3757)	1:132:A:GLN:HE21	1:132:A:GLN:HG2	3	0.1
(1,3757)	1:132:A:GLN:HE21	1:132:A:GLN:HG2	19	0.1
(1,3707)	1:171:A:ALA:H	1:170:A:ASN:HB3	13	0.1
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	3	0.1
(1,3694)	1:57:A:PRO:HB3	1:57:A:PRO:HD3	9	0.1
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	1	0.1
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	7	0.1
(1,3674)	1:178:A:LEU:HG	1:159:A:TYR:HD2	17	0.1
(1,3626)	1:105:A:ALA:HB1	1:165:A:ALA:HB3	13	0.1
(1,3594)	1:145:A:ARG:HG2	1:162:A:TYR:HE2	5	0.1
(1,3583)	1:146:A:SER:H	1:149:A:ILE:HD11	9	0.1
(1,3567)	1:148:A:ALA:HA	1:151:A:ILE:HD13	18	0.1
(1,3563)	1:187:A:ILE:HD13	1:178:A:LEU:H	6	0.1
(1,3545)	1:105:A:ALA:HB3	1:104:A:GLU:HB3	1	0.1
(1,3500)	1:59:A:ILE:HA	1:59:A:ILE:HG22	19	0.1
(1,3440)	1:179:A:MET:HE2	1:160:A:VAL:HG13	8	0.1
(1,3433)	1:102:A:ALA:HB2	1:93:A:ASN:HA	8	0.1
(1,3433)	1:102:A:ALA:HB2	1:93:A:ASN:HA	13	0.1
(1,3433)	1:102:A:ALA:HB1	1:93:A:ASN:HA	14	0.1
(1,3400)	1:148:A:ALA:HA	1:148:A:ALA:HB3	1	0.1
(1,3400)	1:148:A:ALA:HA	1:148:A:ALA:HB3	9	0.1
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	5	0.1
(1,3370)	1:68:A:MET:HE3	1:64:A:TRP:HA	11	0.1
(1,3362)	1:68:A:MET:HE2	1:106:A:THR:H	8	0.1
(1,3341)	1:157:A:ALA:HB3	1:122:A:VAL:HG13	5	0.1
(1,3340)	1:92:A:VAL:HG11	1:165:A:ALA:HB2	15	0.1
(1,3340)	1:92:A:VAL:HG13	1:165:A:ALA:HB3	17	0.1
(1,3321)	1:165:A:ALA:HA	1:92:A:VAL:HG13	9	0.1
(1,3311)	1:160:A:VAL:HG23	1:160:A:VAL:HG12	4	0.1
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG12	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3311)	1:160:A:VAL:HG21	1:160:A:VAL:HG12	13	0.1
(1,3311)	1:160:A:VAL:HG22	1:160:A:VAL:HG11	18	0.1
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	2	0.1
(1,3301)	1:193:A:ALA:HB3	1:193:A:ALA:HA	13	0.1
(1,3301)	1:193:A:ALA:HB3	1:193:A:ALA:HA	15	0.1
(1,3301)	1:193:A:ALA:HB1	1:193:A:ALA:HA	20	0.1
(1,3288)	1:67:A:ALA:HB2	1:64:A:TRP:HA	4	0.1
(1,3288)	1:67:A:ALA:HB2	1:64:A:TRP:HA	6	0.1
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB1	2	0.1
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB1	6	0.1
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB3	10	0.1
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB3	13	0.1
(1,3287)	1:67:A:ALA:HA	1:67:A:ALA:HB3	17	0.1
(1,3270)	1:92:A:VAL:HG22	1:92:A:VAL:HG13	1	0.1
(1,3244)	1:81:A:VAL:HG12	1:119:A:PHE:HZ	7	0.1
(1,3173)	1:88:A:LEU:HD13	1:89:A:VAL:H	15	0.1
(1,3169)	1:181:A:VAL:HG13	1:152:A:ALA:HA	18	0.1
(1,3134)	1:59:A:ILE:HG12	1:58:A:HIS:HA	9	0.1
(1,3100)	1:63:A:ASP:HA	1:197:A:GLN:HB2	1	0.1
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	6	0.1
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	9	0.1
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	13	0.1
(1,3079)	1:129:A:MET:HG3	1:132:A:GLN:HE21	18	0.1
(1,3030)	1:168:A:ASN:HA	1:97:A:ASN:HB3	11	0.1
(1,3018)	1:176:A:MET:HB2	1:188:A:TRP:HE3	13	0.1
(1,2932)	1:61:A:HIS:HA	1:60:A:ARG:HB2	6	0.1
(1,2876)	1:195:A:SER:HB3	1:195:A:SER:HA	5	0.1
(1,2876)	1:195:A:SER:HB3	1:195:A:SER:HA	18	0.1
(1,2872)	1:162:A:TYR:HA	1:163:A:SER:HB2	2	0.1
(1,2823)	1:100:A:LEU:H	1:99:A:SER:HB2	14	0.1
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	1	0.1
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	3	0.1
(1,2804)	1:91:A:SER:HB3	1:141:A:SER:HA	13	0.1
(1,2785)	1:195:A:SER:HB2	1:63:A:ASP:HA	10	0.1
(1,2785)	1:195:A:SER:HB2	1:63:A:ASP:HA	13	0.1
(1,2775)	1:138:A:PRO:HA	1:132:A:GLN:HG3	13	0.1
(1,2758)	1:163:A:SER:HB3	1:164:A:SER:HA	20	0.1
(1,2754)	1:163:A:SER:HB2	1:161:A:LEU:HG	8	0.1
(1,2724)	1:75:A:MET:HG2	1:81:A:VAL:HG21	20	0.1
(1,2718)	1:194:A:VAL:HG11	1:194:A:VAL:HG22	1	0.1
(1,2718)	1:194:A:VAL:HG13	1:194:A:VAL:HG21	10	0.1
(1,2718)	1:194:A:VAL:HG12	1:194:A:VAL:HG22	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG23	7	0.1
(1,2680)	1:155:A:VAL:HB	1:155:A:VAL:HG22	19	0.1
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG23	9	0.1
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG21	17	0.1
(1,2677)	1:155:A:VAL:HA	1:155:A:VAL:HG23	19	0.1
(1,2668)	1:71:A:MET:H	1:72:A:VAL:HG23	4	0.1
(1,2658)	1:175:A:GLN:H	1:174:A:LEU:HD13	18	0.1
(1,2639)	1:148:A:ALA:H	1:142:A:LEU:HD12	19	0.1
(1,2605)	1:74:A:LYS:HG3	1:74:A:LYS:HA	14	0.1
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	8	0.1
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	11	0.1
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	14	0.1
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	15	0.1
(1,2575)	1:59:A:ILE:HB	1:59:A:ILE:HG12	17	0.1
(1,2552)	1:60:A:ARG:HG3	1:60:A:ARG:H	11	0.1
(1,2534)	1:88:A:LEU:HA	1:88:A:LEU:HG	15	0.1
(1,2498)	1:151:A:ILE:HG12	1:134:A:LEU:HD12	14	0.1
(1,2489)	1:48:A:HIS:HB2	1:48:A:HIS:H	18	0.1
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	6	0.1
(1,2469)	1:61:A:HIS:HB2	1:60:A:ARG:HA	18	0.1
(1,2450)	1:188:A:TRP:HB2	1:75:A:MET:HG3	8	0.1
(1,2431)	1:158:A:HIS:HB3	1:159:A:TYR:HD1	16	0.1
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	3	0.1
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	11	0.1
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	16	0.1
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	18	0.1
(1,2355)	1:69:A:GLN:HG3	1:69:A:GLN:HE21	20	0.1
(1,2354)	1:69:A:GLN:HG3	1:69:A:GLN:H	4	0.1
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB1	12	0.1
(1,2310)	1:160:A:VAL:HB	1:152:A:ALA:HB3	13	0.1
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	4	0.1
(1,2294)	1:101:A:ASN:HB3	1:100:A:LEU:HA	13	0.1
(1,2290)	1:97:A:ASN:HB2	1:96:A:THR:HA	18	0.1
(1,2164)	1:121:A:LEU:HB3	1:121:A:LEU:HD12	17	0.1
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	1	0.1
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	15	0.1
(1,2139)	1:131:A:LYS:HE3	1:131:A:LYS:HD3	18	0.1
(1,2133)	1:134:A:LEU:HB2	1:133:A:GLN:HB3	9	0.1
(1,2133)	1:134:A:LEU:HB2	1:133:A:GLN:HB3	16	0.1
(1,2113)	1:180:A:LEU:HB3	1:180:A:LEU:HD21	13	0.1
(1,1998)	1:192:A:GLY:HA2	1:67:A:ALA:HB2	8	0.1
(1,1988)	1:184:A:GLY:HA3	1:183:A:THR:HA	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:183:A:THR:H	1:184:A:GLY:HA3	15	0.1
(1,1955)	1:144:A:THR:H	1:143:A:GLY:HA2	2	0.1
(1,1955)	1:144:A:THR:H	1:143:A:GLY:HA2	4	0.1
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	2	0.1
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	3	0.1
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	9	0.1
(1,1937)	1:138:A:PRO:HD3	1:137:A:SER:H	19	0.1
(1,1931)	1:63:A:ASP:HA	1:197:A:GLN:HB3	6	0.1
(1,1918)	1:101:A:ASN:HA	1:100:A:LEU:HD11	4	0.1
(1,1897)	1:94:A:ASN:HA	1:95:A:ARG:HG3	10	0.1
(1,1842)	1:112:A:ALA:HA	1:114:A:ALA:H	5	0.1
(1,1842)	1:112:A:ALA:HA	1:114:A:ALA:H	19	0.1
(1,1833)	1:176:A:MET:HA	1:174:A:LEU:HD11	12	0.1
(1,1832)	1:176:A:MET:HA	1:161:A:LEU:HD11	14	0.1
(1,1778)	1:137:A:SER:HA	1:140:A:ASP:H	17	0.1
(1,1766)	1:164:A:SER:HA	1:94:A:ASN:HA	1	0.1
(1,1766)	1:164:A:SER:HA	1:94:A:ASN:HA	13	0.1
(1,1766)	1:164:A:SER:HA	1:94:A:ASN:HA	14	0.1
(1,1758)	1:197:A:GLN:HA	1:63:A:ASP:HB3	12	0.1
(1,1750)	1:162:A:TYR:HA	1:162:A:TYR:HE1	20	0.1
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	6	0.1
(1,1745)	1:141:A:SER:HA	1:142:A:LEU:HG	8	0.1
(1,1727)	1:129:A:MET:HA	1:129:A:MET:HG3	19	0.1
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	3	0.1
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	8	0.1
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	9	0.1
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	12	0.1
(1,1655)	1:69:A:GLN:HA	1:69:A:GLN:HG3	16	0.1
(1,1627)	1:137:A:SER:HB2	1:140:A:ASP:HB2	9	0.1
(1,1620)	1:91:A:SER:HB2	1:93:A:ASN:HA	14	0.1
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	10	0.1
(1,1588)	1:169:A:VAL:HA	1:172:A:PRO:HB2	11	0.1
(1,1582)	1:195:A:SER:HB2	1:195:A:SER:HA	7	0.1
(1,1573)	1:138:A:PRO:HA	1:137:A:SER:HA	3	0.1
(1,1570)	1:85:A:SER:HB2	1:158:A:HIS:HB2	8	0.1
(1,1535)	1:166:A:SER:HB3	1:167:A:GLY:HA2	14	0.1
(1,1514)	1:181:A:VAL:HA	1:160:A:VAL:HG23	16	0.1
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	3	0.1
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	6	0.1
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	12	0.1
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	17	0.1
(1,1497)	1:106:A:THR:HA	1:109:A:LEU:HA	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:108:A:THR:HA	1:111:A:ASN:HB3	11	0.1
(1,1468)	1:173:A:THR:HB	1:166:A:SER:HA	20	0.1
(1,1436)	1:62:A:TYR:HB3	1:62:A:TYR:HD2	2	0.1
(1,1399)	1:158:A:HIS:HE1	1:86:A:VAL:H	7	0.1
(1,1388)	1:180:A:LEU:HA	1:159:A:TYR:HD2	15	0.1
(1,1383)	1:196:A:GLN:HG3	1:62:A:TYR:HD1	5	0.1
(1,1377)	1:119:A:PHE:H	1:119:A:PHE:HD2	7	0.1
(1,1320)	1:60:A:ARG:H	1:62:A:TYR:HE1	20	0.1
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	1	0.1
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	9	0.1
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	14	0.1
(1,1309)	1:190:A:GLY:HA2	1:188:A:TRP:HZ2	19	0.1
(1,1296)	1:62:A:TYR:HB2	1:62:A:TYR:HD2	20	0.1
(1,1284)	1:182:A:GLN:HE21	1:180:A:LEU:HD21	2	0.1
(1,1279)	1:115:A:ASN:HD22	1:114:A:ALA:HB1	5	0.1
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	9	0.1
(1,1206)	1:166:A:SER:H	1:95:A:ARG:HB2	15	0.1
(1,1189)	1:160:A:VAL:H	1:162:A:TYR:H	3	0.1
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	2	0.1
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	3	0.1
(1,1183)	1:108:A:THR:H	1:105:A:ALA:H	8	0.1
(1,1179)	1:64:A:TRP:H	1:197:A:GLN:HE21	5	0.1
(1,1168)	1:197:A:GLN:H	1:64:A:TRP:HD1	20	0.1
(1,1142)	1:117:A:GLY:H	1:116:A:ASN:HA	1	0.1
(1,1141)	1:66:A:GLY:H	1:67:A:ALA:HB1	8	0.1
(1,1100)	1:170:A:ASN:HD22	1:60:A:ARG:HE	1	0.1
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	13	0.1
(1,1089)	1:76:A:LEU:H	1:74:A:LYS:HA	19	0.1
(1,1064)	1:35:A:SER:H	1:34:A:PRO:HA	17	0.1
(1,1023)	1:69:A:GLN:H	1:72:A:VAL:H	4	0.1
(1,998)	1:101:A:ASN:H	1:62:A:TYR:HE1	6	0.1
(1,901)	1:83:A:ALA:H	1:81:A:VAL:HG12	8	0.1
(1,835)	1:131:A:LYS:HB2	1:151:A:ILE:HD13	6	0.1
(1,823)	1:151:A:ILE:HD11	1:147:A:LYS:HB3	6	0.1
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	6	0.1
(1,803)	1:166:A:SER:HA	1:95:A:ARG:HG3	16	0.1
(1,782)	1:16:A:VAL:HG21	1:16:A:VAL:HB	1	0.1
(1,782)	1:16:A:VAL:HG22	1:16:A:VAL:HB	6	0.1
(1,782)	1:16:A:VAL:HG13	1:16:A:VAL:HB	8	0.1
(1,782)	1:16:A:VAL:HG13	1:16:A:VAL:HB	14	0.1
(1,782)	1:16:A:VAL:HG21	1:16:A:VAL:HB	15	0.1
(1,782)	1:16:A:VAL:HG13	1:16:A:VAL:HB	17	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,782)	1:16:A:VAL:HG22	1:16:A:VAL:HB	19	0.1
(1,779)	1:71:A:MET:H	1:192:A:GLY:HA3	18	0.1
(1,763)	1:105:A:ALA:HB3	1:104:A:GLU:HG3	17	0.1
(1,742)	1:144:A:THR:H	1:148:A:ALA:HB2	9	0.1
(1,736)	1:148:A:ALA:HB2	1:142:A:LEU:HB2	4	0.1
(1,736)	1:148:A:ALA:HB1	1:142:A:LEU:HB2	10	0.1
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG13	11	0.1
(1,726)	1:163:A:SER:HA	1:92:A:VAL:HG12	19	0.1
(1,714)	1:92:A:VAL:HG21	1:109:A:LEU:HB2	20	0.1
(1,713)	1:67:A:ALA:HB2	1:71:A:MET:HE2	7	0.1
(1,713)	1:67:A:ALA:HB1	1:71:A:MET:HE2	14	0.1
(1,711)	1:81:A:VAL:HG23	1:78:A:ALA:H	2	0.1
(1,673)	1:8:A:ARG:HB2	1:8:A:ARG:HG2	12	0.1
(1,661)	1:129:A:MET:HG2	1:128:A:SER:HB3	6	0.1
(1,653)	1:125:A:GLN:HB2	1:125:A:GLN:HG3	1	0.1
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	2	0.1
(1,644)	1:191:A:LYS:HB3	1:175:A:GLN:HB3	5	0.1
(1,626)	1:145:A:ARG:HD3	1:145:A:ARG:HG2	8	0.1
(1,611)	1:156:A:GLY:HA3	1:86:A:VAL:HG23	2	0.1
(1,594)	1:165:A:ALA:HA	1:100:A:LEU:HD22	19	0.1
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG22	7	0.1
(1,573)	1:152:A:ALA:HA	1:151:A:ILE:HG23	11	0.1
(1,568)	1:148:A:ALA:HA	1:149:A:ILE:HA	12	0.1
(1,543)	1:107:A:GLU:HA	1:110:A:ARG:HG3	3	0.1
(1,521)	1:141:A:SER:HB3	1:144:A:THR:H	16	0.1
(1,468)	1:155:A:VAL:HG22	1:130:A:ALA:HB3	1	0.1
(1,459)	1:178:A:LEU:HD21	1:180:A:LEU:HB2	20	0.1
(1,425)	1:134:A:LEU:HG	1:134:A:LEU:HD23	5	0.1
(1,422)	1:125:A:GLN:HB2	1:123:A:SER:HB2	17	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	1	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	5	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	7	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	9	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	10	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	11	0.1
(1,358)	1:172:A:PRO:HB3	1:172:A:PRO:HG2	20	0.1
(1,356)	1:172:A:PRO:HB2	1:62:A:TYR:HE2	1	0.1
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	1	0.1
(1,352)	1:194:A:VAL:H	1:194:A:VAL:HB	6	0.1
(1,344)	1:69:A:GLN:HG3	1:65:A:ASN:HB3	4	0.1
(1,337)	1:177:A:GLN:HG3	1:189:A:SER:HA	14	0.1
(1,331)	1:49:A:GLU:HG3	1:49:A:GLU:HB2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,293)	1:154:A:ASN:HB2	1:134:A:LEU:HD22	8	0.1
(1,288)	1:168:A:ASN:H	1:168:A:ASN:HB3	17	0.1
(1,281)	1:79:A:ASP:HA	1:79:A:ASP:HB2	5	0.1
(1,278)	1:162:A:TYR:HB2	1:179:A:MET:HB2	6	0.1
(1,251)	1:131:A:LYS:HE2	1:142:A:LEU:HA	10	0.1
(1,247)	1:131:A:LYS:HE3	1:130:A:ALA:HB2	1	0.1
(1,217)	1:145:A:ARG:HD2	1:145:A:ARG:HG3	16	0.1
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	3	0.1
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	14	0.1
(1,205)	1:153:A:ARG:HD3	1:153:A:ARG:HB2	20	0.1
(1,183)	1:80:A:GLY:HA2	1:187:A:ILE:HD12	5	0.1
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	8	0.1
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	12	0.1
(1,155)	1:69:A:GLN:H	1:70:A:PRO:HD3	19	0.1
(1,153)	1:63:A:ASP:HA	1:65:A:ASN:HB3	18	0.1
(1,146)	1:90:A:ASP:HA	1:142:A:LEU:HD12	1	0.1
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	5	0.1
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	6	0.1
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	15	0.1
(1,111)	1:154:A:ASN:HA	1:154:A:ASN:HB2	16	0.1
(1,81)	1:144:A:THR:HA	1:144:A:THR:HG22	17	0.1

10 Dihedral-angle violation analysis

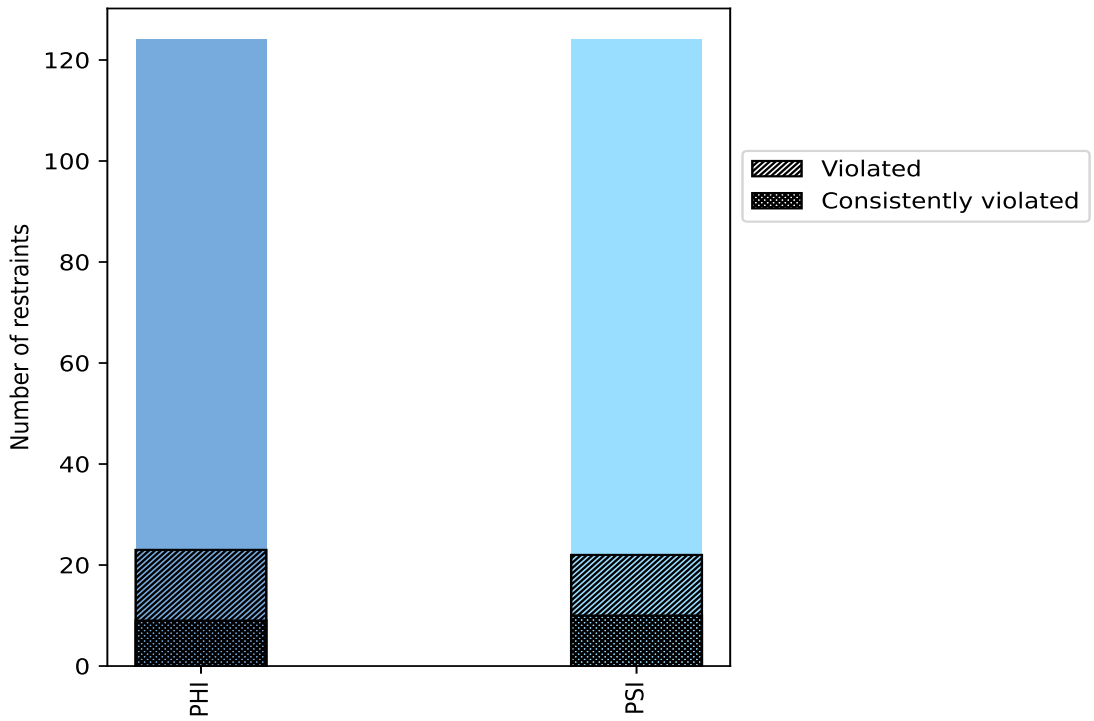
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PHI	124	50.0	23	18.5	9.3	9	7.3	3.6
PSI	124	50.0	22	17.7	8.9	10	8.1	4.0
Total	248	100.0	45	18.1	18.1	19	7.7	7.7

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



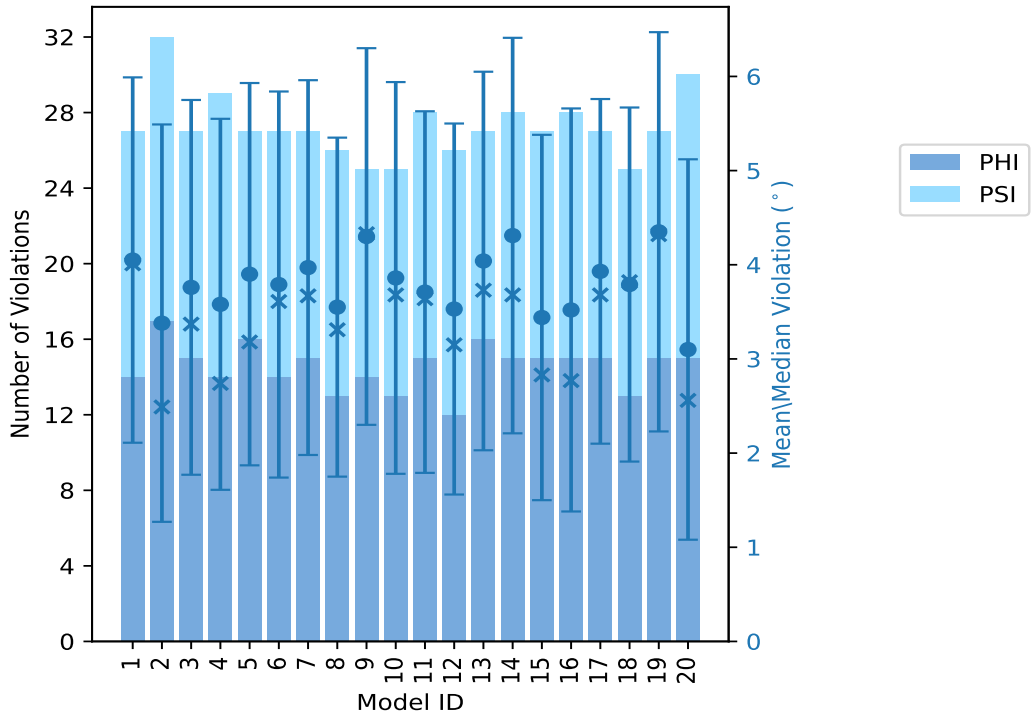
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	14	13	27	4.05	8.31	1.94	4.01
2	17	15	32	3.38	8.45	2.11	2.49
3	15	12	27	3.76	8.13	1.99	3.37
4	14	15	29	3.58	9.04	1.97	2.74
5	16	11	27	3.9	9.09	2.03	3.18
6	14	13	27	3.79	9.02	2.05	3.61
7	15	12	27	3.97	8.79	1.99	3.67
8	13	13	26	3.55	7.94	1.8	3.31
9	14	11	25	4.3	8.46	2.0	4.33
10	13	12	25	3.86	8.73	2.08	3.68
11	15	13	28	3.71	8.0	1.92	3.64
12	12	14	26	3.53	9.17	1.97	3.15
13	16	11	27	4.04	8.41	2.01	3.73
14	15	13	28	4.31	8.27	2.1	3.68
15	15	12	27	3.44	8.81	1.94	2.83
16	15	13	28	3.52	9.0	2.14	2.77
17	15	12	27	3.93	7.99	1.83	3.68
18	13	12	25	3.79	8.68	1.88	3.82
19	15	12	27	4.35	8.92	2.12	4.32
20	15	15	30	3.1	9.69	2.02	2.56

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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

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

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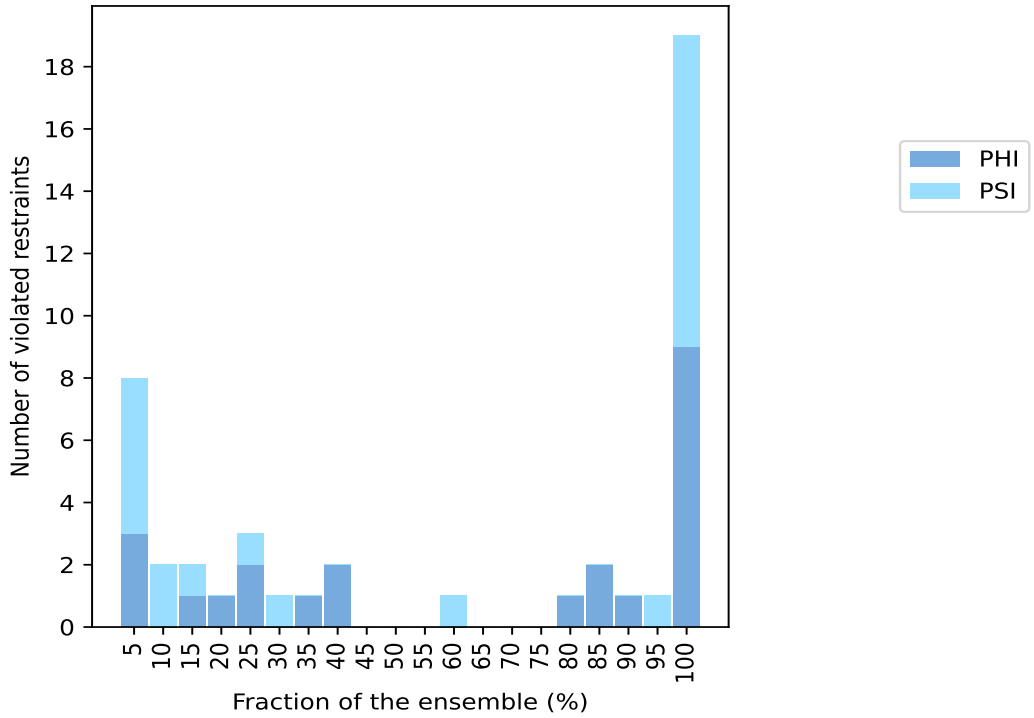
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	1	1	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
1	0	1	16	80.0
2	0	2	17	85.0
1	0	1	18	90.0
0	1	1	19	95.0
9	10	19	20	100.0

[1] Number of models with violations

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

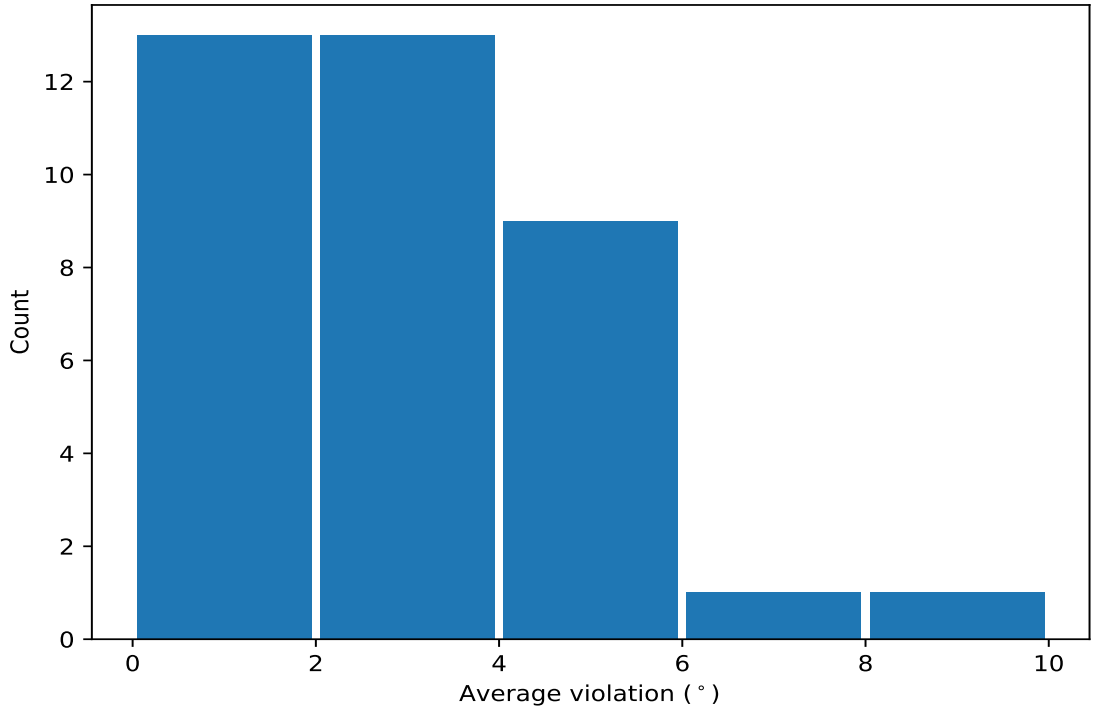


10.4 Most violated dihedral-angle restraints in the ensemble

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
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	20	8.64	0.45	8.7
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	20	7.18	0.22	7.16
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	20	5.89	0.6	5.88
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	20	5.67	0.7	5.58
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	20	5.65	0.73	5.74
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	20	5.36	1.16	5.65
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	20	5.21	0.35	5.15
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	20	4.7	0.96	4.6
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	20	4.68	1.1	4.81
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	20	4.57	0.92	4.79
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	20	3.95	0.93	3.66
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	20	3.65	0.88	3.23
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	20	3.34	1.17	3.23
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	20	3.31	0.87	3.47
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	20	3.31	0.55	3.46
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	20	2.97	0.67	3.07
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	20	2.8	0.64	2.74
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	20	2.4	0.73	2.22
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	20	2.17	0.37	2.21
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	19	2.0	0.39	1.92

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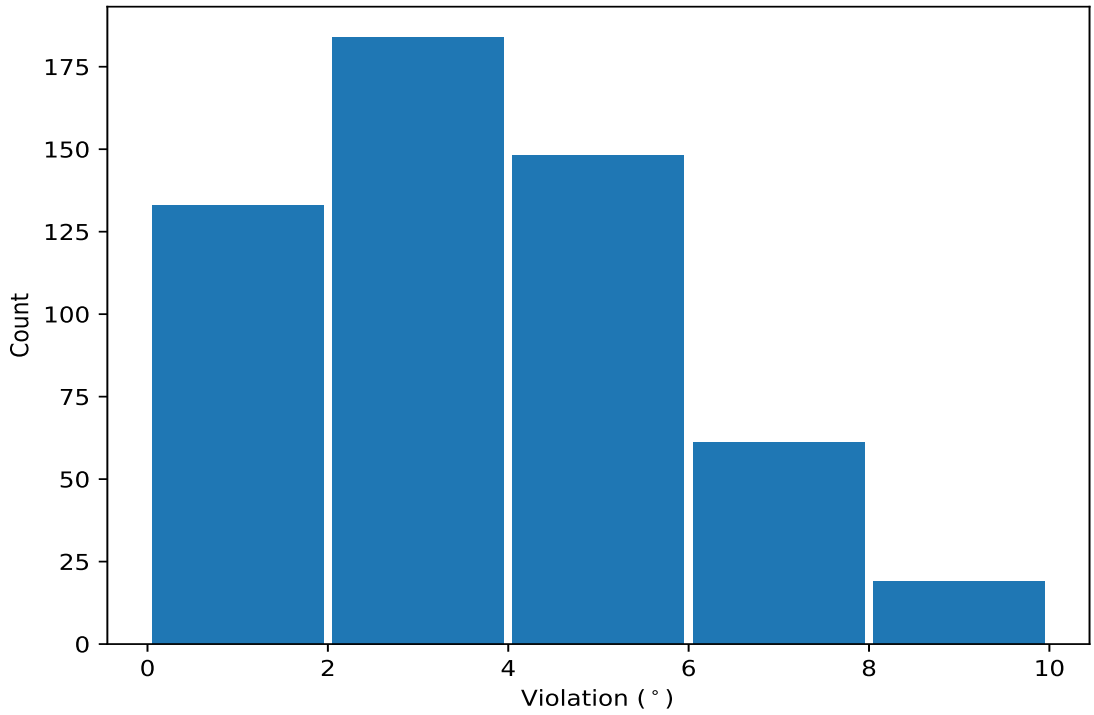
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	18	1.51	0.52	1.38
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	17	5.73	1.95	6.38
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	17	1.82	0.43	1.78
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	16	2.0	0.43	1.96
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	12	1.62	0.33	1.64
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	8	1.72	0.45	1.82
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	8	1.67	0.42	1.74
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	7	1.2	0.14	1.15
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	6	2.5	0.52	2.67
(1,109)	1:118:A:LYS:C	1:119:A:PHE:N	1:119:A:PHE:CA	1:119:A:PHE:C	5	1.65	0.58	1.59
(1,58)	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1:89:A:VAL:N	5	1.62	0.5	1.41
(1,117)	1:122:A:VAL:C	1:123:A:SER:N	1:123:A:SER:CA	1:123:A:SER:C	5	1.48	0.48	1.2
(1,67)	1:93:A:ASN:C	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	4	1.26	0.16	1.23
(1,4)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	3	2.52	0.45	2.49
(1,13)	1:61:A:HIS:C	1:62:A:TYR:N	1:62:A:TYR:CA	1:62:A:TYR:C	3	1.86	0.27	1.8
(1,62)	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	1:91:A:SER:N	2	1.64	0.4	1.64
(1,184)	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	1:163:A:SER:N	2	1.02	0.01	1.02

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints (i)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	20	9.69
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	12	9.17
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	5	9.09
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	4	9.04
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	6	9.02
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	16	9.0
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	19	8.92
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	15	8.81
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	7	8.79
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	10	8.73
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	18	8.68
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	9	8.46
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	2	8.45
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	13	8.41
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	1	8.31
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	14	8.27
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	3	8.13
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	9	8.01
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	11	8.0
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	17	7.99
(1,198)	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1:172:A:PRO:N	8	7.94
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	2	7.75
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	14	7.62
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	4	7.56
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	20	7.51
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	2	7.49
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	14	7.49
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	6	7.34
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	5	7.3
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	19	7.29
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	17	7.28
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	16	7.25
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	7	7.23
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	8	7.21
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	13	7.18
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	19	7.11
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	10	7.11
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	1	7.1
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	11	7.09
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	12	7.08
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	3	7.07
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	9	7.03
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	18	7.02
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	19	7.02
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	1	6.97
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	7	6.97
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	4	6.94

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	15	6.91
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	14	6.91
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	10	6.87
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	16	6.86
(1,233)	1:188:A:TRP:C	1:189:A:SER:N	1:189:A:SER:CA	1:189:A:SER:C	13	6.82
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	11	6.75
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	19	6.74
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	5	6.71
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	13	6.69
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	16	6.68
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	14	6.6
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	14	6.58
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	13	6.52
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	2	6.48
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	18	6.38
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	5	6.35
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	3	6.35
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	14	6.34
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	6	6.32
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	17	6.28
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	9	6.26
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	1	6.25
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	17	6.22
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	10	6.21
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	7	6.11
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	16	6.11
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	2	6.11
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	2	6.1
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	9	6.1
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	13	6.05
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	14	6.05
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	10	6.04
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	14	6.0
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	7	5.99
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	17	5.98
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	18	5.98
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	6	5.94
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	3	5.93
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	19	5.93
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	3	5.91
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	17	5.9
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	4	5.87
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	1	5.87
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	9	5.85
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	6	5.83
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	15	5.81
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	1	5.8
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	11	5.76
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	6	5.76
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	19	5.74
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	16	5.74

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	1	5.73
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	14	5.73
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	10	5.72
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	4	5.71
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	8	5.71
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	20	5.7
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	1	5.69
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	5	5.69
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	14	5.69
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	11	5.69
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	19	5.67
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	8	5.66
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	9	5.65
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	9	5.62
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	12	5.61
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	18	5.6
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	3	5.59
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	16	5.56
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	5	5.56
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	12	5.55
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	11	5.55
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	3	5.52
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	13	5.52
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	8	5.49
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	11	5.49
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	1	5.47
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	19	5.46
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	19	5.44
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	10	5.38
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	7	5.37
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	7	5.36
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	13	5.34
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	19	5.34
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	17	5.31
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	3	5.3
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	1	5.27
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	15	5.26
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	10	5.25
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	3	5.25
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	12	5.24
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	15	5.24
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	5	5.23
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	19	5.23
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	9	5.23
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	3	5.21
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	12	5.21
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	7	5.2
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	15	5.2
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	17	5.17
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	2	5.16
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	4	5.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	6	5.14
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	19	5.13
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	10	5.12
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	20	5.12
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	4	5.12
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	9	5.11
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	13	5.11
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	12	5.09
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	5	5.05
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	2	5.02
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	20	5.02
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	7	5.01
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	8	4.99
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	17	4.99
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	13	4.98
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	18	4.98
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	6	4.98
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	20	4.94
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	5	4.94
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	6	4.93
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	11	4.91
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	18	4.9
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	8	4.89
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	13	4.89
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	1	4.87
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	11	4.85
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	12	4.84
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	5	4.83
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	5	4.82
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	15	4.82
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	14	4.8
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	9	4.8
(1,240)	1:192:A:GLY:N	1:192:A:GLY:CA	1:192:A:GLY:C	1:193:A:ALA:N	20	4.78
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	15	4.78
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	7	4.78
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	9	4.75
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	15	4.74
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	7	4.72
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	11	4.71
(1,211)	1:177:A:GLN:C	1:178:A:LEU:N	1:178:A:LEU:CA	1:178:A:LEU:C	4	4.66
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	13	4.65
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	7	4.64
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	2	4.64
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	16	4.58
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	2	4.57
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	16	4.55
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	6	4.54
(1,172)	1:155:A:VAL:N	1:155:A:VAL:CA	1:155:A:VAL:C	1:156:A:GLY:N	4	4.53
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	4	4.53
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	17	4.52
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	8	4.5

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	14	4.46
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	5	4.46
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	6	4.45
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	7	4.44
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	18	4.44
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	4	4.39
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	15	4.38
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	17	4.35
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	9	4.33
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	19	4.32
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	10	4.3
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	19	4.28
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	8	4.25
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	11	4.23
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	16	4.22
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	5	4.21
(1,197)	1:170:A:ASN:C	1:171:A:ALA:N	1:171:A:ALA:CA	1:171:A:ALA:C	20	4.19
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	18	4.16
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	11	4.16
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	18	4.12
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	18	4.09
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	19	4.08
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	12	4.07
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	6	4.05
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	12	4.04
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	1	4.02
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	1	4.02
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	1	4.01
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	19	3.98
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	17	3.96
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	18	3.9
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	8	3.88
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	11	3.86
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	17	3.85
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	2	3.84
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	8	3.84
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	6	3.84
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	13	3.82
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	18	3.82
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	11	3.78
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	3	3.76
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	15	3.76
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	13	3.73
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	14	3.73
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	18	3.72
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	10	3.72
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	10	3.7
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	17	3.68
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	10	3.68
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	7	3.67
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	14	3.63

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	3	3.63
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	6	3.61
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	12	3.61
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	6	3.59
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	20	3.58
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	9	3.57
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	12	3.56
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	12	3.56
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	2	3.56
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	6	3.53
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	13	3.51
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	11	3.5
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	1	3.48
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	3	3.48
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	20	3.48
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	13	3.47
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	20	3.45
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	14	3.45
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	15	3.41
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	4	3.41
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	16	3.39
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	8	3.38
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	16	3.37
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	8	3.37
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	3	3.37
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	3	3.36
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	9	3.34
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	3	3.33
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	9	3.32
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	9	3.31
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	9	3.29
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	10	3.28
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	7	3.26
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	3	3.25
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	8	3.25
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	17	3.25
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	18	3.21
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	17	3.21
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	13	3.2
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	7	3.2
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	5	3.18
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	15	3.18
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	2	3.15
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	3	3.14
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	14	3.13
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	8	3.13
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1	3.12
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	4	3.1
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	5	3.1
(1,4)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	7	3.09
(1,183)	1:161:A:LEU:C	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	20	3.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	5	3.02
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	17	3.0
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	7	2.98
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	17	2.97
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	11	2.97
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	17	2.94
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	9	2.93
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	11	2.93
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	2	2.92
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	19	2.91
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	16	2.9
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	5	2.88
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	3	2.87
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	14	2.86
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	11	2.84
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	18	2.84
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	15	2.83
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	11	2.81
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	15	2.81
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	4	2.8
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	5	2.8
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	1	2.8
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	16	2.8
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	10	2.79
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	10	2.79
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	10	2.78
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	4	2.74
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	20	2.74
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	16	2.74
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	12	2.74
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	1	2.73
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	14	2.72
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	16	2.71
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	4	2.71
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	5	2.69
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	7	2.67
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	12	2.67
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	19	2.66
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	20	2.66
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	5	2.65
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	6	2.65
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	20	2.64
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	1	2.63
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	7	2.63
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	14	2.62
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	9	2.6
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	15	2.59
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	19	2.58
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	4	2.58
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	17	2.57
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	6	2.56

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	4	2.56
(1,58)	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1:89:A:VAL:N	2	2.55
(1,206)	1:175:A:GLN:N	1:175:A:GLN:CA	1:175:A:GLN:C	1:176:A:MET:N	2	2.54
(1,109)	1:118:A:LYS:C	1:119:A:PHE:N	1:119:A:PHE:CA	1:119:A:PHE:C	17	2.53
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	16	2.51
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	13	2.5
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	14	2.49
(1,4)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	4	2.49
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	12	2.48
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	20	2.48
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	20	2.47
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	6	2.45
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	8	2.45
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	2	2.44
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	13	2.44
(1,68)	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	1:95:A:ARG:N	8	2.43
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	12	2.43
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	18	2.41
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	19	2.38
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	13	2.38
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	12	2.35
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	7	2.34
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	15	2.33
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	20	2.32
(1,117)	1:122:A:VAL:C	1:123:A:SER:N	1:123:A:SER:CA	1:123:A:SER:C	14	2.32
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	14	2.32
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	1	2.32
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	8	2.32
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	14	2.29
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	16	2.28
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	4	2.28
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	18	2.27
(1,59)	1:88:A:LEU:C	1:89:A:VAL:N	1:89:A:VAL:CA	1:89:A:VAL:C	15	2.26
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	17	2.26
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	12	2.25
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	15	2.24
(1,13)	1:61:A:HIS:C	1:62:A:TYR:N	1:62:A:TYR:CA	1:62:A:TYR:C	4	2.22
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	19	2.21
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	11	2.16
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	13	2.16
(1,47)	1:81:A:VAL:C	1:82:A:THR:N	1:82:A:THR:CA	1:82:A:THR:C	2	2.15
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	18	2.14
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	13	2.11
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	15	2.1
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	8	2.08
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	15	2.07
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	2	2.06
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	8	2.06
(1,109)	1:118:A:LYS:C	1:119:A:PHE:N	1:119:A:PHE:CA	1:119:A:PHE:C	20	2.05
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	2	2.05
(1,62)	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	1:91:A:SER:N	2	2.04

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	18	2.04
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	10	2.03
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	2	2.02
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	2	2.02
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	13	2.01
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	16	2.01
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	9	2.01
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	1	2.0
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	5	1.99
(1,4)	1:43:A:PRO:N	1:43:A:PRO:CA	1:43:A:PRO:C	1:44:A:GLY:N	10	1.99
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	8	1.98
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	12	1.98
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	8	1.98
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	1	1.98
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	1	1.97
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	1	1.96
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	12	1.96
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	2	1.96
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	17	1.95
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	6	1.94
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	18	1.92
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	7	1.92
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	14	1.91
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	3	1.9
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	14	1.89
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	6	1.89
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	18	1.88
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	9	1.88
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	10	1.86
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	18	1.86
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	16	1.85
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	6	1.83
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	10	1.83
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	11	1.82
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	5	1.8
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	6	1.8
(1,13)	1:61:A:HIS:C	1:62:A:TYR:N	1:62:A:TYR:CA	1:62:A:TYR:C	13	1.8
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	20	1.8
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	1	1.78
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	7	1.78
(1,104)	1:116:A:ASN:N	1:116:A:ASN:CA	1:116:A:ASN:C	1:117:A:GLY:N	2	1.78
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	3	1.78
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	3	1.78
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	4	1.77
(1,145)	1:138:A:PRO:C	1:139:A:GLN:N	1:139:A:GLN:CA	1:139:A:GLN:C	4	1.77
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	12	1.77
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	9	1.76
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	5	1.74
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	17	1.73
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	4	1.73
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	19	1.71

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,117)	1:122:A:VAL:C	1:123:A:SER:N	1:123:A:SER:CA	1:123:A:SER:C	4	1.71
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	16	1.71
(1,58)	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1:89:A:VAL:N	4	1.68
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	20	1.67
(1,144)	1:138:A:PRO:N	1:138:A:PRO:CA	1:138:A:PRO:C	1:139:A:GLN:N	4	1.67
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	11	1.67
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	16	1.66
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	16	1.65
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	4	1.65
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	2	1.61
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	10	1.6
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1	1.6
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	2	1.59
(1,109)	1:118:A:LYS:C	1:119:A:PHE:N	1:119:A:PHE:CA	1:119:A:PHE:C	2	1.59
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	7	1.59
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	17	1.59
(1,57)	1:87:A:LEU:C	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	20	1.58
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	8	1.56
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	5	1.56
(1,13)	1:61:A:HIS:C	1:62:A:TYR:N	1:62:A:TYR:CA	1:62:A:TYR:C	11	1.56
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	11	1.55
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	4	1.55
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	15	1.54
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	16	1.52
(1,16)	1:63:A:ASP:N	1:63:A:ASP:CA	1:63:A:ASP:C	1:64:A:TRP:N	19	1.52
(1,67)	1:93:A:ASN:C	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	11	1.51
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	11	1.51
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	16	1.49
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	1	1.48
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	12	1.48
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	20	1.48
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	5	1.45
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	19	1.44
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	17	1.41
(1,58)	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1:89:A:VAL:N	8	1.41
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	7	1.39
(1,116)	1:122:A:VAL:N	1:122:A:VAL:CA	1:122:A:VAL:C	1:123:A:SER:N	20	1.39
(1,204)	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	1:175:A:GLN:N	20	1.38
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	15	1.37
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	10	1.36
(1,222)	1:183:A:THR:N	1:183:A:THR:CA	1:183:A:THR:C	1:184:A:GLY:N	18	1.36
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	14	1.36
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	13	1.36
(1,58)	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1:89:A:VAL:N	14	1.34
(1,141)	1:136:A:LEU:C	1:137:A:SER:N	1:137:A:SER:CA	1:137:A:SER:C	6	1.3
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	8	1.28
(1,23)	1:66:A:GLY:C	1:67:A:ALA:N	1:67:A:ALA:CA	1:67:A:ALA:C	3	1.28
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	10	1.27
(1,244)	1:194:A:VAL:N	1:194:A:VAL:CA	1:194:A:VAL:C	1:195:A:SER:N	15	1.26
(1,62)	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	1:91:A:SER:N	20	1.25
(1,246)	1:195:A:SER:N	1:195:A:SER:CA	1:195:A:SER:C	1:196:A:GLN:N	13	1.24

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,123)	1:125:A:GLN:C	1:126:A:GLN:N	1:126:A:GLN:CA	1:126:A:GLN:C	20	1.24
(1,67)	1:93:A:ASN:C	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	2	1.24
(1,6)	1:57:A:PRO:N	1:57:A:PRO:CA	1:57:A:PRO:C	1:58:A:HIS:N	19	1.24
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	5	1.23
(1,221)	1:182:A:GLN:C	1:183:A:THR:N	1:183:A:THR:CA	1:183:A:THR:C	16	1.22
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	16	1.22
(1,67)	1:93:A:ASN:C	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	8	1.21
(1,117)	1:122:A:VAL:C	1:123:A:SER:N	1:123:A:SER:CA	1:123:A:SER:C	2	1.2
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	13	1.19
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	9	1.19
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	11	1.15
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	15	1.14
(1,45)	1:80:A:GLY:C	1:81:A:VAL:N	1:81:A:VAL:CA	1:81:A:VAL:C	20	1.14
(1,11)	1:60:A:ARG:C	1:61:A:HIS:N	1:61:A:HIS:CA	1:61:A:HIS:C	2	1.14
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	7	1.13
(1,147)	1:141:A:SER:C	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	17	1.12
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	9	1.11
(1,58)	1:88:A:LEU:N	1:88:A:LEU:CA	1:88:A:LEU:C	1:89:A:VAL:N	3	1.11
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	3	1.09
(1,44)	1:78:A:ALA:N	1:78:A:ALA:CA	1:78:A:ALA:C	1:79:A:ASP:N	11	1.09
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	2	1.08
(1,209)	1:176:A:MET:C	1:177:A:GLN:N	1:177:A:GLN:CA	1:177:A:GLN:C	3	1.08
(1,117)	1:122:A:VAL:C	1:123:A:SER:N	1:123:A:SER:CA	1:123:A:SER:C	3	1.08
(1,117)	1:122:A:VAL:C	1:123:A:SER:N	1:123:A:SER:CA	1:123:A:SER:C	20	1.08
(1,109)	1:118:A:LYS:C	1:119:A:PHE:N	1:119:A:PHE:CA	1:119:A:PHE:C	15	1.08
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	16	1.07
(1,67)	1:93:A:ASN:C	1:94:A:ASN:N	1:94:A:ASN:CA	1:94:A:ASN:C	6	1.07
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	6	1.04
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	12	1.04
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	10	1.04
(1,184)	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	1:163:A:SER:N	12	1.03
(1,148)	1:142:A:LEU:N	1:142:A:LEU:CA	1:142:A:LEU:C	1:143:A:GLY:N	12	1.03
(1,69)	1:98:A:GLY:C	1:99:A:SER:N	1:99:A:SER:CA	1:99:A:SER:C	7	1.03
(1,66)	1:93:A:ASN:N	1:93:A:ASN:CA	1:93:A:ASN:C	1:94:A:ASN:N	20	1.03
(1,174)	1:156:A:GLY:N	1:156:A:GLY:CA	1:156:A:GLY:C	1:157:A:ALA:N	19	1.02
(1,203)	1:173:A:THR:C	1:174:A:LEU:N	1:174:A:LEU:CA	1:174:A:LEU:C	18	1.01
(1,184)	1:162:A:TYR:N	1:162:A:TYR:CA	1:162:A:TYR:C	1:163:A:SER:N	6	1.01
(1,109)	1:118:A:LYS:C	1:119:A:PHE:N	1:119:A:PHE:CA	1:119:A:PHE:C	5	1.01
(1,61)	1:89:A:VAL:C	1:90:A:ASP:N	1:90:A:ASP:CA	1:90:A:ASP:C	15	1.01