Full wwPDB NMR Structure Validation Report (i)

Aug 10, 2026 – 10:27 AM EDT

PDB ID	:	9Q2Z / pdb_00009q2z
BMRB ID	:	52072
Title	:	Solution Structure of G12C mutant GppNHp-bound T35S KRAS4b
Authors	:	Sharma, A.K.; Maciag, A.
Deposited on	:	2025-08-15

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

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

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

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

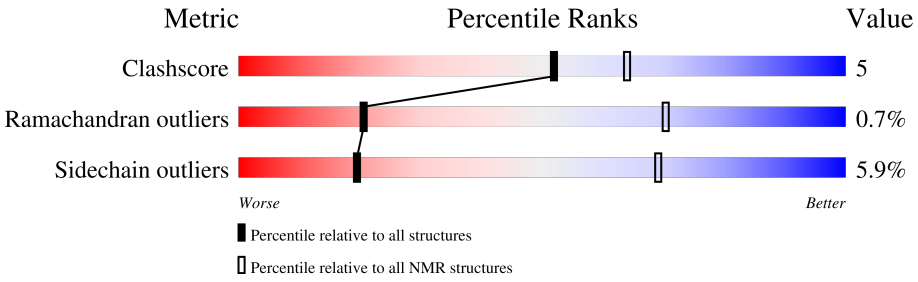
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Buster-report	:	wwPDB partial adaption of 1.1.7 (2018)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2.1
Ideal geometry (proteins)	:	Engh & Huber (2001)
Ideal geometry (DNA, RNA)	:	Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP)	:	2.50

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 59%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	170	86% 12% ••

2 Ensemble composition and analysis (i)

This entry contains 20 models. Model 1 is the overall representative, medoid model (most similar to other models).

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:1-A:167 (167)	0.66	1

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

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

The models can be grouped into 2 clusters. No single-model clusters were found.

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

3 Entry composition

There are 3 unique types of molecules in this entry. The entry contains 2734 atoms, of which 1349 are hydrogens and 0 are deuteriums.

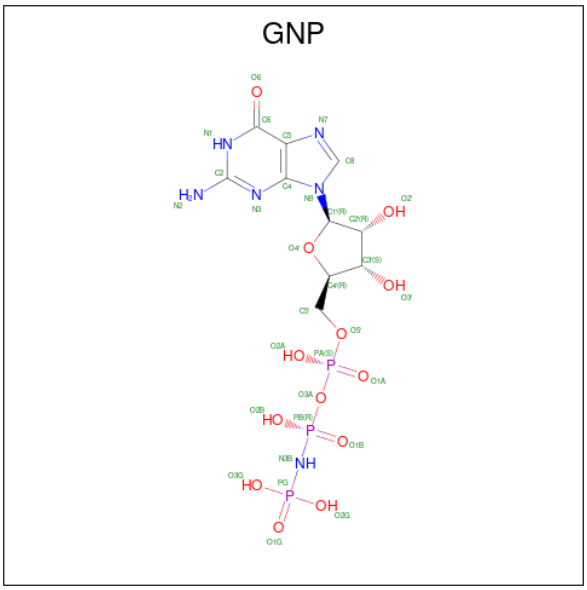
- Molecule 1 is a protein called Isoform 2B of GTPase KRas.

Mol	Chain	Residues	Atoms						Trace
1	A	169	Total	C	H	N	O	S	0
			2688	845	1336	232	268	7	

There are 4 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	0	GLY	-	expression tag	UNP P01116
A	12	CYS	GLY	engineered mutation	UNP P01116
A	35	SER	THR	engineered mutation	UNP P01116
A	118	SER	CYS	engineered mutation	UNP P01116

- Molecule 2 is PHOSPHOAMINOPHOSPHONIC ACID-GUANYLATE ESTER (CCD ID: GNP) (formula: $C_{10}H_{17}N_6O_{13}P_3$) (labeled as "Ligand of Interest" by depositor).



Mol	Chain	Residues	Atoms					
2	A	1	Total	C	H	N	O	P
			45	10	13	6	13	3

- Molecule 3 is MAGNESIUM ION (CCD ID: MG) (formula: Mg) (labeled as "Ligand of Interest" by depositor).

Mol	Chain	Residues	Atoms	
			Total	Mg
3	A	1	1	1

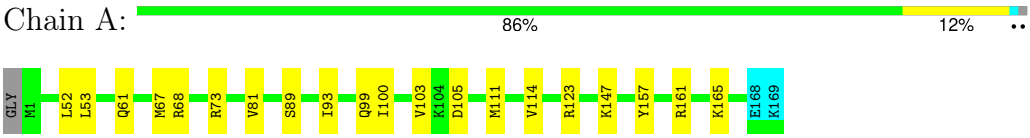
4 Residue-property plots (i)

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Isoform 2B of GTPase KRas

Chain A:



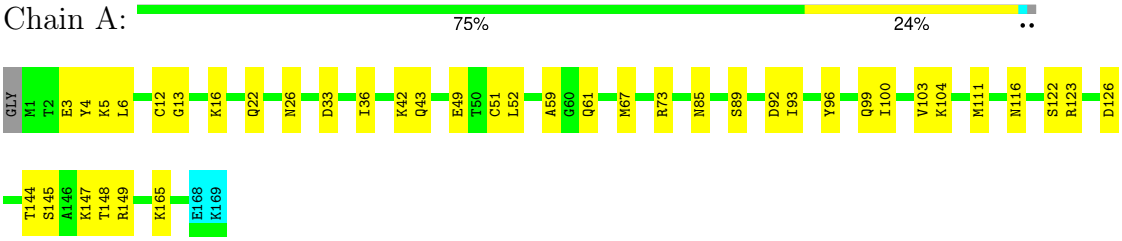
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1 (medoid)

• Molecule 1: Isoform 2B of GTPase KRas

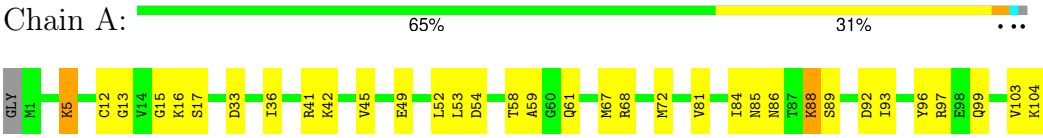
Chain A:

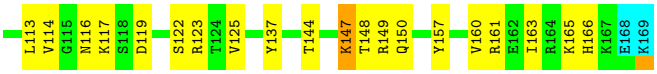


4.2.2 Score per residue for model 2

• Molecule 1: Isoform 2B of GTPase KRas

Chain A:

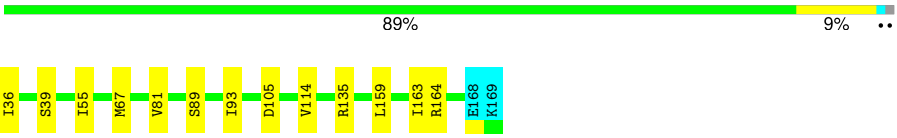




4.2.3 Score per residue for model 3

• Molecule 1: Isoform 2B of GTPase KRas

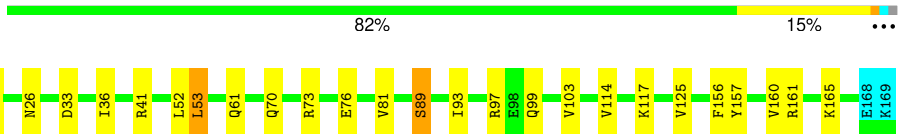
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Isoform 2B of GTPase KRas

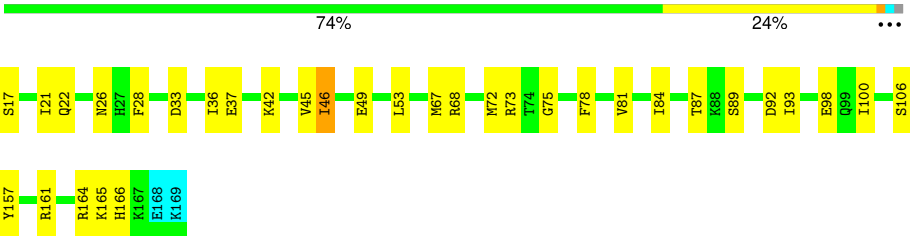
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Isoform 2B of GTPase KRas

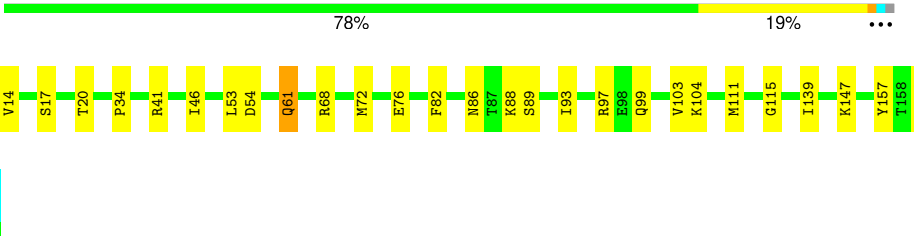
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Isoform 2B of GTPase KRas

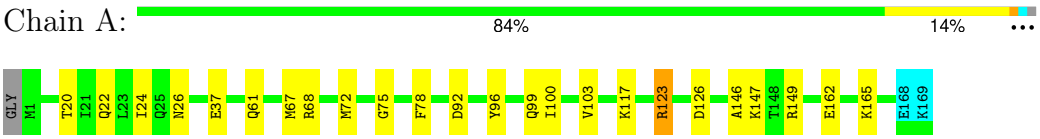
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Isoform 2B of GTPase KRas

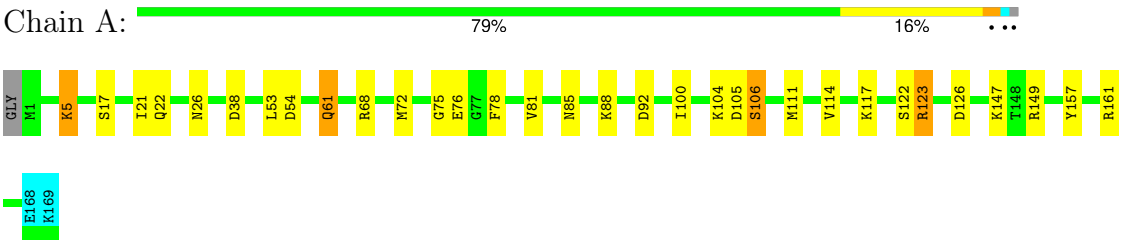
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Isoform 2B of GTPase KRas

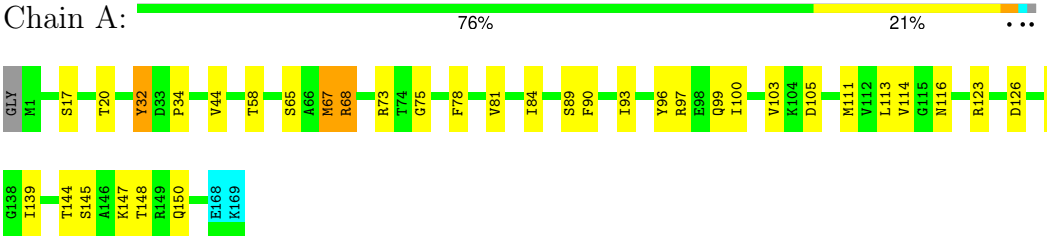
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Isoform 2B of GTPase KRas

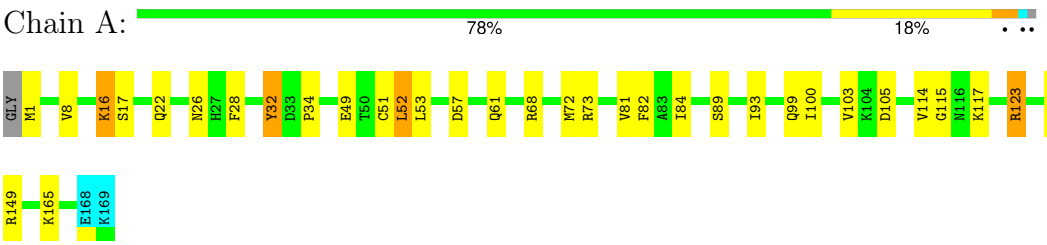
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Isoform 2B of GTPase KRas

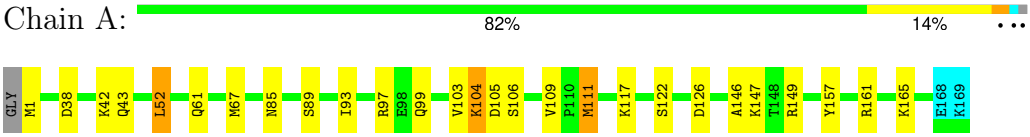
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Isoform 2B of GTPase KRas

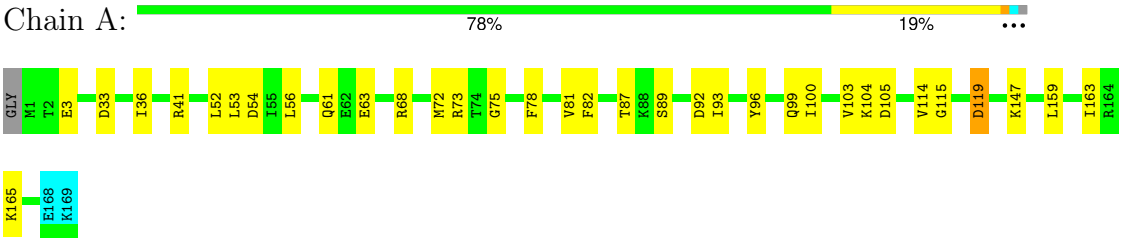
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Isoform 2B of GTPase KRas

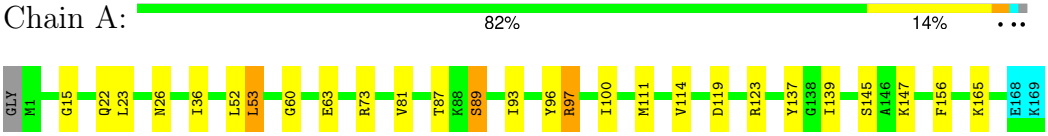
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Isoform 2B of GTPase KRas

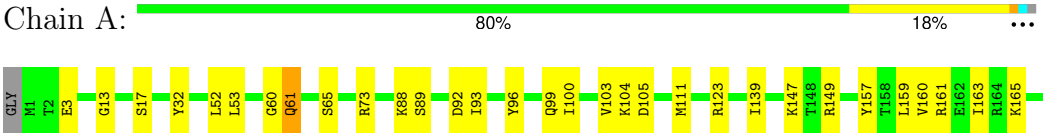
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Isoform 2B of GTPase KRas

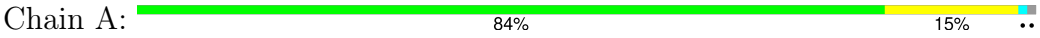
Chain A:

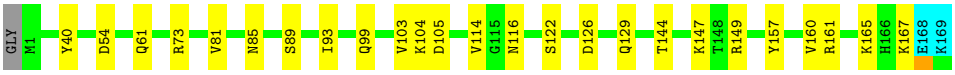


4.2.15 Score per residue for model 15

• Molecule 1: Isoform 2B of GTPase KRas

Chain A:

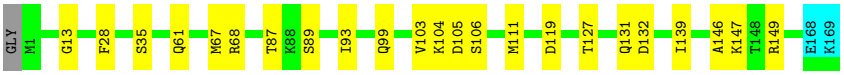




4.2.16 Score per residue for model 16

• Molecule 1: Isoform 2B of GTPase KRas

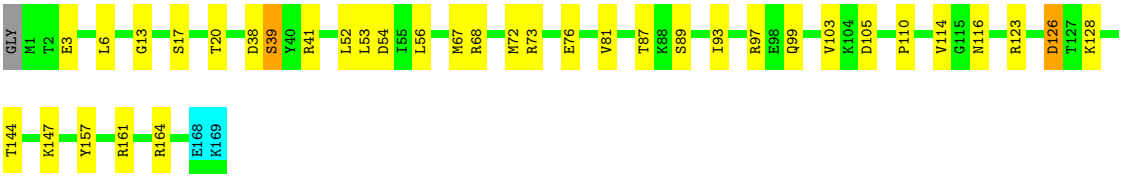
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Isoform 2B of GTPase KRas

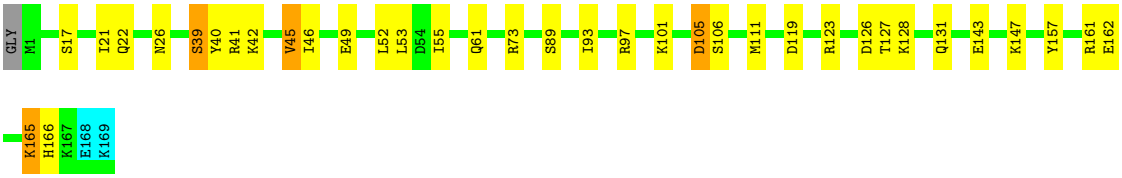
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Isoform 2B of GTPase KRas

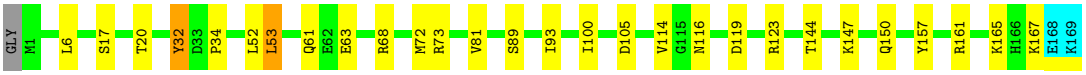
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Isoform 2B of GTPase KRas

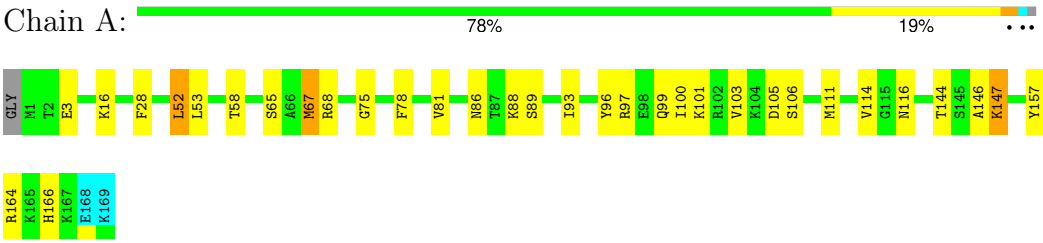
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Isoform 2B of GTPase KRas

Chain A:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *torsion angle dynamics*.

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
CYANA	structure calculation	3.98.15
CNS	refinement	1.3

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	2114
Number of shifts mapped to atoms	2108
Number of unparsed shifts	0
Number of shifts with mapping errors	6
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	59%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: GNP, MG

There are no covalent bond-length or bond-angle outliers.

There are no bond-length outliers.

There are no bond-angle outliers.

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1333	1317	1315	14±5
2	A	32	13	13	1±1
All	All	27320	26600	26556	292

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 5.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:67:MET:SD	1:A:68:ARG:HG3	0.68	2.27	20	1
1:A:32:TYR:CE1	1:A:34:PRO:HB3	0.66	2.26	9	2
1:A:116:ASN:HA	1:A:144:THR:O	0.61	1.93	2	7
1:A:68:ARG:O	1:A:72:MET:HG2	0.61	1.96	5	9
1:A:33:ASP:O	1:A:36:ILE:HG12	0.61	1.94	12	6
1:A:89:SER:O	1:A:93:ILE:HG13	0.58	1.99	17	18
1:A:157:TYR:O	1:A:161:ARG:HG3	0.57	2.00	4	11
1:A:22:GLN:O	1:A:26:ASN:HA	0.56	2.00	7	8
1:A:99:GLN:O	1:A:103:VAL:HG23	0.56	2.01	9	14
1:A:72:MET:SD	1:A:100:ILE:HG12	0.55	2.40	12	6
1:A:61:GLN:H	1:A:61:GLN:CD	0.55	2.09	8	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:119:ASP:OD2	1:A:147:LYS:HD3	0.55	2.01	18	2
1:A:39:SER:HA	1:A:55:ILE:O	0.55	2.02	18	2
1:A:61:GLN:HE21	1:A:61:GLN:CA	0.53	2.17	14	1
1:A:17:SER:O	1:A:20:THR:HG22	0.52	2.05	9	4
1:A:117:LYS:HG2	2:A:201:GNP:C6	0.52	2.34	11	5
1:A:81:VAL:HA	1:A:114:VAL:O	0.52	2.05	17	13
1:A:8:VAL:HG12	1:A:16:LYS:HD2	0.52	1.82	5	1
1:A:159:LEU:O	1:A:163:ILE:HG13	0.52	2.04	3	4
1:A:20:THR:O	1:A:24:ILE:HG12	0.51	2.06	7	1
1:A:3:GLU:HA	1:A:52:LEU:O	0.51	2.06	20	6
1:A:49:GLU:HG3	1:A:51:CYS:SG	0.51	2.46	10	2
1:A:75:GLY:HA2	1:A:78:PHE:CE1	0.51	2.40	9	6
1:A:111:MET:HG3	1:A:139:ILE:HG21	0.51	1.82	13	5
1:A:28:PHE:CZ	1:A:147:LYS:HB2	0.50	2.42	10	1
1:A:67:MET:N	1:A:67:MET:SD	0.49	2.84	9	1
1:A:16:LYS:HD2	1:A:17:SER:N	0.49	2.22	2	1
1:A:86:ASN:ND2	1:A:88:LYS:HB2	0.49	2.21	20	2
1:A:60:GLY:HA2	1:A:63:GLU:OE2	0.49	2.07	13	1
1:A:109:VAL:HB	1:A:111:MET:HE2	0.49	1.84	11	1
1:A:41:ARG:HD3	1:A:54:ASP:OD1	0.49	2.07	6	4
1:A:61:GLN:HB3	1:A:68:ARG:NH1	0.49	2.22	16	1
1:A:42:LYS:HG2	1:A:43:GLN:N	0.49	2.22	1	2
1:A:149:ARG:HG2	1:A:149:ARG:O	0.49	2.08	11	8
1:A:32:TYR:CE2	1:A:34:PRO:HG3	0.49	2.43	10	1
1:A:84:ILE:HD11	1:A:117:LYS:O	0.48	2.08	5	2
1:A:104:LYS:O	1:A:106:SER:N	0.48	2.47	11	3
1:A:5:LYS:N	1:A:5:LYS:HD3	0.48	2.23	2	1
1:A:147:LYS:HD3	2:A:201:GNP:HN1	0.48	1.67	11	2
1:A:96:TYR:O	1:A:100:ILE:HG13	0.48	2.08	12	7
1:A:82:PHE:O	1:A:115:GLY:HA2	0.47	2.09	6	3
1:A:163:ILE:O	1:A:166:HIS:HB3	0.47	2.10	2	2
1:A:86:ASN:HD21	1:A:88:LYS:HB2	0.47	1.70	20	1
1:A:119:ASP:HB3	1:A:147:LYS:HD3	0.47	1.86	12	2
1:A:147:LYS:HG2	1:A:148:THR:N	0.47	2.25	2	1
1:A:157:TYR:O	1:A:160:VAL:HG22	0.47	2.09	2	4
1:A:23:LEU:HD22	1:A:156:PHE:CD1	0.46	2.45	13	2
1:A:97:ARG:HD3	1:A:137:TYR:CE2	0.46	2.44	13	2
1:A:85:ASN:HB3	1:A:122:SER:O	0.46	2.10	15	5
1:A:46:ILE:HD12	1:A:157:TYR:CD2	0.46	2.46	5	1
1:A:67:MET:SD	1:A:67:MET:N	0.46	2.89	5	4
1:A:17:SER:O	1:A:21:ILE:HG12	0.46	2.11	8	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:28:PHE:CD1	1:A:147:LYS:HA	0.46	2.46	16	3
1:A:123:ARG:NH1	1:A:126:ASP:HA	0.46	2.26	8	4
1:A:126:ASP:O	1:A:129:GLN:HG2	0.46	2.11	9	2
1:A:17:SER:HB2	1:A:32:TYR:OH	0.46	2.11	14	1
1:A:146:ALA:HB3	2:A:201:GNP:C6	0.45	2.41	11	2
1:A:1:MET:SD	1:A:52:LEU:HD12	0.45	2.52	10	2
1:A:15:GLY:CA	2:A:201:GNP:H5'2	0.45	2.41	2	2
1:A:147:LYS:HD3	2:A:201:GNP:N1	0.45	2.27	11	2
1:A:162:GLU:HA	1:A:162:GLU:OE2	0.45	2.12	7	1
1:A:97:ARG:NH1	1:A:101:LYS:HE2	0.45	2.26	20	1
1:A:76:GLU:O	1:A:110:PRO:HG2	0.45	2.12	17	1
1:A:104:LYS:HE2	1:A:106:SER:OG	0.45	2.10	8	1
1:A:61:GLN:HE21	1:A:61:GLN:HA	0.45	1.71	14	1
1:A:65:SER:HB2	1:A:68:ARG:NH1	0.45	2.26	20	1
1:A:147:LYS:HG2	1:A:148:THR:HG23	0.44	1.87	2	1
1:A:97:ARG:HG3	1:A:137:TYR:CE2	0.44	2.47	2	1
1:A:45:VAL:HA	1:A:49:GLU:O	0.44	2.12	18	3
1:A:32:TYR:CZ	1:A:34:PRO:HG3	0.44	2.48	10	1
1:A:65:SER:CA	1:A:68:ARG:HB2	0.43	2.43	9	1
1:A:17:SER:HA	1:A:57:ASP:OD1	0.43	2.13	10	1
1:A:119:ASP:HB3	1:A:147:LYS:NZ	0.43	2.28	19	1
1:A:16:LYS:HD2	1:A:16:LYS:C	0.43	2.39	1	1
1:A:126:ASP:OD2	1:A:128:LYS:HD3	0.43	2.13	17	1
1:A:40:TYR:O	1:A:54:ASP:HA	0.43	2.13	15	1
1:A:97:ARG:HD3	1:A:97:ARG:C	0.43	2.38	20	1
2:A:201:GNP:O3G	2:A:201:GNP:O1B	0.43	2.36	6	5
1:A:162:GLU:HA	1:A:165:LYS:CG	0.43	2.43	18	1
1:A:75:GLY:HA2	1:A:78:PHE:CZ	0.43	2.48	9	3
1:A:149:ARG:O	1:A:149:ARG:HG2	0.43	2.14	2	1
1:A:70:GLN:O	1:A:73:ARG:HB3	0.43	2.14	4	1
1:A:145:SER:HB2	1:A:148:THR:OG1	0.43	2.14	9	2
1:A:39:SER:HB2	1:A:54:ASP:OD1	0.43	2.14	17	1
1:A:127:THR:O	1:A:131:GLN:HG3	0.42	2.14	16	2
1:A:146:ALA:HB3	2:A:201:GNP:O6	0.42	2.14	16	1
1:A:34:PRO:HG3	2:A:201:GNP:HNB3	0.42	1.75	9	1
1:A:65:SER:HA	1:A:68:ARG:HB2	0.42	1.91	9	1
1:A:28:PHE:CE1	1:A:147:LYS:HB2	0.42	2.49	10	1
1:A:162:GLU:O	1:A:166:HIS:HB3	0.42	2.14	6	1
1:A:8:VAL:CG1	1:A:16:LYS:HD3	0.42	2.44	10	1
1:A:15:GLY:HA2	2:A:201:GNP:H5'2	0.42	1.92	5	1
1:A:147:LYS:HE3	2:A:201:GNP:HN21	0.42	1.75	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:61:GLN:HG2	1:A:96:TYR:CE2	0.41	2.50	2	1
1:A:100:ILE:O	1:A:104:LYS:HG2	0.41	2.14	8	1
1:A:60:GLY:O	1:A:65:SER:HB3	0.41	2.15	14	1
1:A:40:TYR:O	1:A:41:ARG:HD3	0.41	2.15	18	1
1:A:12:CYS:SG	1:A:59:ALA:HB1	0.41	2.55	1	2
1:A:34:PRO:HG3	2:A:201:GNP:O1G	0.41	2.16	6	1
1:A:46:ILE:HD12	1:A:46:ILE:N	0.41	2.31	18	1
1:A:52:LEU:HD23	1:A:53:LEU:N	0.41	2.30	19	1
1:A:53:LEU:HD12	1:A:53:LEU:O	0.41	2.15	4	2
1:A:161:ARG:O	1:A:164:ARG:HG2	0.41	2.15	17	2
1:A:101:LYS:O	1:A:105:ASP:HA	0.41	2.15	18	1
1:A:84:ILE:HD13	1:A:123:ARG:HG2	0.41	1.92	2	1
1:A:108:ASP:OD1	1:A:166:HIS:HE1	0.41	1.98	2	1
1:A:88:LYS:O	1:A:92:ASP:HB2	0.41	2.15	14	2
1:A:165:LYS:HG3	1:A:166:HIS:N	0.41	2.31	5	1
1:A:5:LYS:HB2	1:A:76:GLU:CD	0.41	2.41	8	1
1:A:12:CYS:O	2:A:201:GNP:O1B	0.41	2.38	6	1
1:A:4:TYR:HE1	1:A:51:CYS:SG	0.41	2.39	1	1
1:A:46:ILE:HG13	1:A:157:TYR:CD1	0.41	2.51	6	1
1:A:146:ALA:HB3	2:A:201:GNP:C5	0.40	2.46	7	1
1:A:162:GLU:HA	1:A:165:LYS:HE3	0.40	1.93	6	1
1:A:86:ASN:ND2	1:A:88:LYS:HB3	0.40	2.31	6	1
1:A:90:PHE:CE1	1:A:130:ALA:HA	0.40	2.51	9	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	166/170 (98%)	157±2 (94±1%)	8±2 (5±1%)	1±1 (1±1%)	20	70
All	All	3320/3400 (98%)	3137 (94%)	159 (5%)	24 (1%)	20	70

All 4 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	105	ASP	14
1	A	13	GLY	5
1	A	38	ASP	3
1	A	106	SER	2

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	148/150 (99%)	139±3 (94±2%)	9±3 (6±2%)	19	69
All	All	2960/3000 (99%)	2785 (94%)	175 (6%)	19	69

All 51 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	53	LEU	13
1	A	61	GLN	12
1	A	165	LYS	12
1	A	73	ARG	11
1	A	147	LYS	11
1	A	123	ARG	10
1	A	104	LYS	6
1	A	52	LEU	6
1	A	67	MET	6
1	A	97	ARG	6
1	A	6	LEU	5
1	A	92	ASP	5
1	A	111	MET	5
1	A	87	THR	5
1	A	5	LYS	3
1	A	42	LYS	3
1	A	58	THR	3
1	A	150	GLN	3
1	A	32	TYR	3
1	A	126	ASP	3
1	A	113	LEU	2
1	A	125	VAL	2

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Mol	Chain	Res	Type	Models (Total)
1	A	76	GLU	2
1	A	89	SER	2
1	A	37	GLU	2
1	A	106	SER	2
1	A	145	SER	2
1	A	166	HIS	2
1	A	16	LYS	2
1	A	56	LEU	2
1	A	63	GLU	2
1	A	119	ASP	2
1	A	39	SER	2
1	A	88	LYS	1
1	A	108	ASP	1
1	A	135	ARG	1
1	A	41	ARG	1
1	A	46	ILE	1
1	A	98	GLU	1
1	A	14	VAL	1
1	A	54	ASP	1
1	A	44	VAL	1
1	A	68	ARG	1
1	A	84	ILE	1
1	A	36	ILE	1
1	A	35	SER	1
1	A	132	ASP	1
1	A	45	VAL	1
1	A	128	LYS	1
1	A	143	GLU	1
1	A	167	LYS	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

Of 2 ligands modelled in this entry, 1 is monoatomic - leaving 1 for Mogul analysis.

In the following table, the Counts columns list the number of bonds for which Mogul statistics could be retrieved, the number of bonds that are observed in the model and the number of bonds that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length is the number of standard deviations the observed value is removed from the expected value. A bond length with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond lengths.

Mol	Type	Chain	Res	Link	Bond lengths		
					Counts	RMSZ	#Z>2
2	GNP	A	201	3	34,34,34	2.15±0.02	4±1 (12±1%)

In the following table, the Counts columns list the number of angles for which Mogul statistics could be retrieved, the number of angles that are observed in the model and the number of angles that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond angle is the number of standard deviations the observed value is removed from the expected value. A bond angle with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the average root-mean-square of all Z scores of the bond angles.

Mol	Type	Chain	Res	Link	Bond angles		
					Counts	RMSZ	#Z>2
2	GNP	A	201	3	47,54,54	1.95±0.02	13±1 (27±1%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	GNP	A	201	3	-	0±0,18,38,38	0±0,3,3,3

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
2	A	201	GNP	PG-O1G	10.11	1.61	1.46	9	20
2	A	201	GNP	PB-O2B	3.60	1.47	1.56	7	20
2	A	201	GNP	PG-O3G	3.35	1.47	1.56	15	20
2	A	201	GNP	C5-N7	2.99	1.33	1.39	11	20

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Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
2	A	201	GNP	PB-O3A	2.15	1.61	1.59	5	1
2	A	201	GNP	PG-O2G	2.06	1.62	1.56	12	3
2	A	201	GNP	C8-N9	2.05	1.32	1.37	18	3
2	A	201	GNP	PA-O3A	2.01	1.61	1.59	17	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
2	A	201	GNP	C2-N3-C4	5.48	121.73	112.30	12	20
2	A	201	GNP	C5-C4-N3	5.05	120.36	128.39	20	20
2	A	201	GNP	O2B-PB-O1B	4.27	119.02	109.87	17	20
2	A	201	GNP	O1G-PG-N3B	4.18	105.61	111.77	20	20
2	A	201	GNP	N9-C4-N3	3.52	132.98	125.95	10	20
2	A	201	GNP	C2-N1-C6	3.46	118.83	125.11	3	20
2	A	201	GNP	O2G-PG-O1G	3.15	105.55	113.45	4	20
2	A	201	GNP	O1B-PB-N3B	2.78	107.68	111.77	12	17
2	A	201	GNP	O6-C6-C5	2.30	120.45	126.53	2	20
2	A	201	GNP	C5-C6-N1	2.26	119.00	113.25	9	20
2	A	201	GNP	C8-N7-C5	2.22	108.22	104.26	6	20
2	A	201	GNP	C4-C5-N7	2.21	107.17	110.67	3	20
2	A	201	GNP	N9-C8-N7	2.18	109.36	113.40	4	13
2	A	201	GNP	C3'-C2'-C1'	2.08	97.52	101.46	7	3
2	A	201	GNP	O2G-PG-O3G	2.05	113.10	107.59	14	1

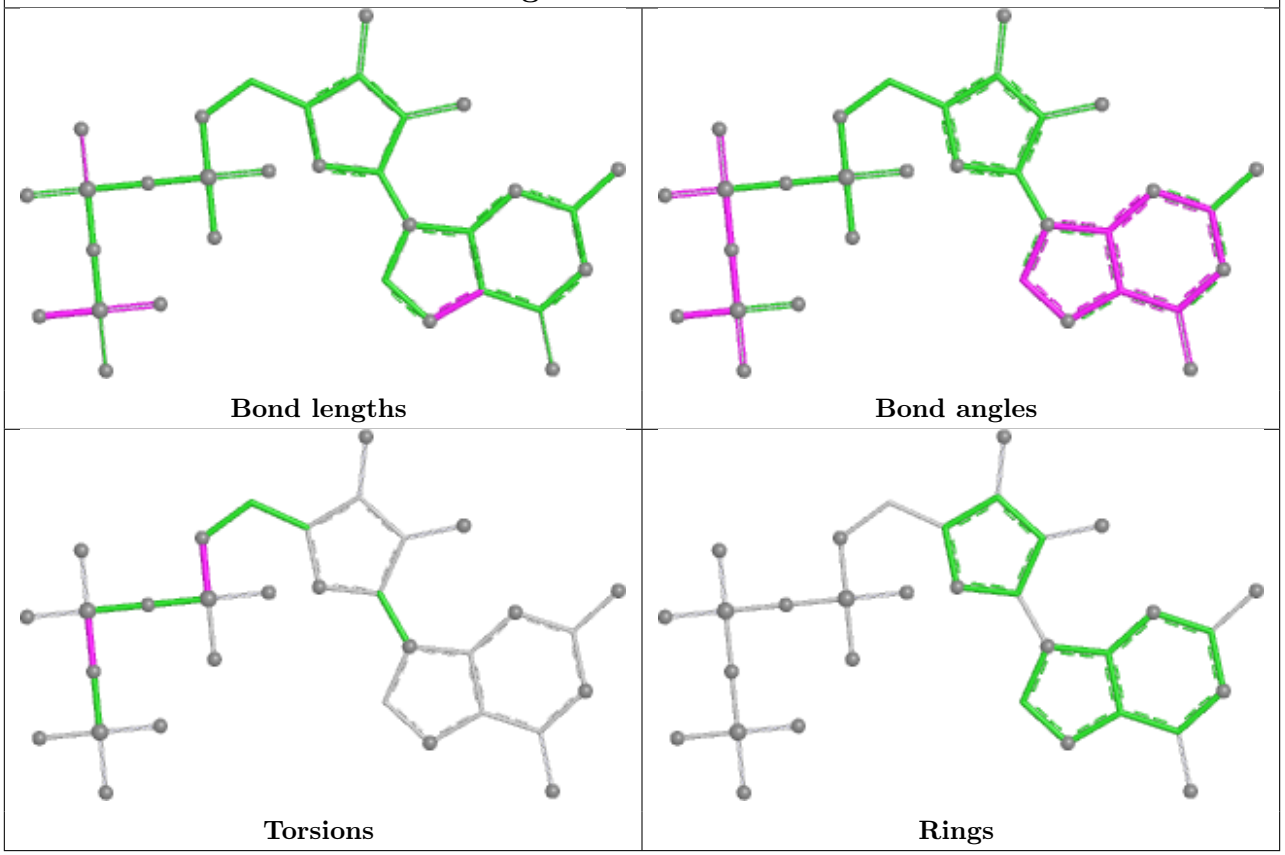
There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

The following is a two-dimensional graphical depiction of Mogul quality analysis of bond lengths, bond angles, torsion angles, and ring geometry for all instances of the Ligand of Interest. In addition, ligands with molecular weight > 250 and outliers as shown on the validation Tables will also be included. For torsion angles, if less then 5% of the Mogul distribution of torsion angles is within 10 degrees of the torsion angle in question, then that torsion angle is considered an outlier. Any bond that is central to one or more torsion angles identified as an outlier by Mogul will be highlighted in the graph. For rings, the root-mean-square deviation (RMSD) between the ring in question and similar rings identified by Mogul is calculated over all ring torsion angles. If the average RMSD is greater than 60 degrees and the minimal RMSD between the ring in question and any Mogul-identified rings is also greater than 60 degrees, then that ring is considered an outlier. The outliers are highlighted in purple. The color gray indicates Mogul did not find sufficient equivalents in the CSD to analyse the geometry.

Ligand GNP A 201



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 59% for the well-defined parts and 59% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chemical_shifts_1*

7.1.1 Bookkeeping

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

Total number of shifts	2114
Number of shifts mapped to atoms	2108
Number of unparsed shifts	0
Number of shifts with mapping errors	6
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

- Can not parse the chemical shift value. All 743 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	1	MET	HB2	1.891	0.003	.
1	A	1	MET	HB3	1.946	0.005	.
1	A	1	MET	HG2	2.347	0.002	.
1	A	1	MET	HG3	2.389	0.005	.
1	A	3	GLU	HB2	1.861	0.000	.
1	A	3	GLU	HB3	1.777	0.000	.
1	A	3	GLU	HG2	2.012	0.011	.
1	A	3	GLU	HG3	2.187	0.000	.
1	A	4	TYR	HB2	2.646	0.000	.
1	A	4	TYR	HB3	2.646	0.000	.
1	A	4	TYR	HD1	6.889	0.001	.
1	A	4	TYR	HD2	6.889	0.001	.
1	A	4	TYR	HE1	6.634	0.003	.
1	A	4	TYR	HE2	6.634	0.003	.
1	A	4	TYR	CD1	132.967	0.012	.
1	A	4	TYR	CE1	118.118	0.014	.
1	A	5	LYS	HB2	1.784	0.011	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	5	LYS	HB3	1.913	0.013	.
1	A	5	LYS	HD2	1.606	0.007	.
1	A	5	LYS	HD3	1.606	0.000	.
1	A	5	LYS	HE2	2.889	0.002	.
1	A	5	LYS	HE3	2.889	0.000	.
1	A	5	LYS	HG2	1.408	0.000	.
1	A	5	LYS	HG3	1.464	0.000	.
1	A	6	LEU	HB2	1.886	0.013	.
1	A	6	LEU	HB3	1.178	0.000	.
1	A	6	LEU	HD11	0.667	0.001	.
1	A	6	LEU	HD12	0.667	0.001	.
1	A	6	LEU	HD13	0.667	0.001	.
1	A	6	LEU	HD21	0.948	0.002	.
1	A	6	LEU	HD22	0.948	0.002	.
1	A	6	LEU	HD23	0.948	0.002	.
1	A	6	LEU	CD1	24.391	0.028	.
1	A	6	LEU	CD2	26.578	0.063	.
1	A	7	VAL	HG11	0.714	0.000	.
1	A	7	VAL	HG12	0.714	0.000	.
1	A	7	VAL	HG13	0.714	0.000	.
1	A	7	VAL	HG21	0.992	0.000	.
1	A	7	VAL	HG22	0.992	0.000	.
1	A	7	VAL	HG23	0.992	0.000	.
1	A	7	VAL	CG1	22.010	0.000	.
1	A	7	VAL	CG2	22.260	0.000	.
1	A	8	VAL	HG11	0.944	0.001	.
1	A	8	VAL	HG12	0.944	0.001	.
1	A	8	VAL	HG13	0.944	0.001	.
1	A	8	VAL	HG21	0.934	0.000	.
1	A	8	VAL	HG22	0.934	0.000	.
1	A	8	VAL	HG23	0.934	0.000	.
1	A	8	VAL	CG1	20.516	0.029	.
1	A	8	VAL	CG2	22.350	0.000	.
1	A	9	VAL	HG11	0.856	0.014	.
1	A	9	VAL	HG12	0.856	0.014	.
1	A	9	VAL	HG13	0.856	0.014	.
1	A	9	VAL	HG21	1.001	0.000	.
1	A	9	VAL	HG22	1.001	0.000	.
1	A	9	VAL	HG23	1.001	0.000	.
1	A	9	VAL	CG1	20.925	0.080	.
1	A	9	VAL	CG2	22.277	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	10	GLY	HA2	2.941	0.006	.
1	A	10	GLY	HA3	4.641	0.014	.
1	A	12	GLY	HA2	3.706	0.004	.
1	A	12	GLY	HA3	4.798	0.000	.
1	A	13	GLY	HA2	3.915	0.010	.
1	A	13	GLY	HA3	4.201	0.000	.
1	A	14	VAL	HG11	0.961	0.000	.
1	A	14	VAL	HG12	0.961	0.000	.
1	A	14	VAL	HG13	0.961	0.000	.
1	A	14	VAL	HG21	1.164	0.000	.
1	A	14	VAL	HG22	1.164	0.000	.
1	A	14	VAL	HG23	1.164	0.000	.
1	A	14	VAL	CG1	17.725	0.000	.
1	A	14	VAL	CG2	22.108	0.000	.
1	A	15	GLY	HA2	4.608	0.011	.
1	A	15	GLY	HA3	4.301	0.004	.
1	A	16	LYS	HB2	2.457	0.000	.
1	A	16	LYS	HB3	1.662	0.000	.
1	A	17	SER	HB2	3.705	0.006	.
1	A	17	SER	HB3	3.705	0.006	.
1	A	19	LEU	HB2	1.313	0.003	.
1	A	19	LEU	HB3	2.227	0.005	.
1	A	19	LEU	HD11	0.631	0.006	.
1	A	19	LEU	HD12	0.631	0.006	.
1	A	19	LEU	HD13	0.631	0.006	.
1	A	19	LEU	HD21	0.795	0.000	.
1	A	19	LEU	HD22	0.795	0.000	.
1	A	19	LEU	HD23	0.795	0.000	.
1	A	19	LEU	CD1	26.821	0.064	.
1	A	19	LEU	CD2	24.568	0.000	.
1	A	21	ILE	HG12	1.086	0.005	.
1	A	21	ILE	HG13	1.327	0.000	.
1	A	22	GLN	HB2	2.020	0.000	.
1	A	22	GLN	HB3	2.359	0.004	.
1	A	22	GLN	HE21	6.624	0.042	.
1	A	22	GLN	HE22	7.754	0.001	.
1	A	22	GLN	HG2	2.376	0.000	.
1	A	22	GLN	HG3	2.602	0.000	.
1	A	23	LEU	HB2	0.972	0.006	.
1	A	23	LEU	HB3	1.570	0.004	.
1	A	23	LEU	HD11	-0.230	0.001	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	23	LEU	HD12	-0.230	0.001	.
1	A	23	LEU	HD13	-0.230	0.001	.
1	A	23	LEU	HD21	0.622	0.005	.
1	A	23	LEU	HD22	0.622	0.005	.
1	A	23	LEU	HD23	0.622	0.005	.
1	A	23	LEU	CD1	24.064	0.016	.
1	A	23	LEU	CD2	22.756	0.128	.
1	A	24	ILE	HG12	1.540	0.006	.
1	A	24	ILE	HG13	1.106	0.008	.
1	A	25	GLN	HB2	2.171	0.000	.
1	A	25	GLN	HB3	1.823	0.000	.
1	A	25	GLN	HE21	6.945	0.002	.
1	A	25	GLN	HE22	7.491	0.000	.
1	A	25	GLN	HG2	2.243	0.015	.
1	A	25	GLN	HG3	2.421	0.007	.
1	A	26	ASN	HB2	2.775	0.002	.
1	A	26	ASN	HB3	3.071	0.001	.
1	A	26	ASN	HD21	6.733	0.002	.
1	A	26	ASN	HD22	7.461	0.004	.
1	A	27	HIS	HB2	3.004	0.010	.
1	A	27	HIS	HB3	3.121	0.003	.
1	A	28	PHE	HB2	3.065	0.003	.
1	A	28	PHE	HB3	2.828	0.000	.
1	A	28	PHE	HD1	7.029	0.001	.
1	A	28	PHE	HD2	7.029	0.001	.
1	A	28	PHE	HE1	6.581	0.030	.
1	A	28	PHE	HE2	6.581	0.030	.
1	A	28	PHE	CD2	131.943	0.057	.
1	A	29	VAL	HG11	0.622	0.001	.
1	A	29	VAL	HG12	0.622	0.001	.
1	A	29	VAL	HG13	0.622	0.001	.
1	A	29	VAL	HG21	0.709	0.002	.
1	A	29	VAL	HG22	0.709	0.002	.
1	A	29	VAL	HG23	0.709	0.002	.
1	A	29	VAL	CG1	19.700	0.013	.
1	A	29	VAL	CG2	21.429	0.083	.
1	A	30	ASP	HB2	2.588	0.000	.
1	A	30	ASP	HB3	2.510	0.004	.
1	A	31	GLU	HB2	1.873	0.000	.
1	A	31	GLU	HB3	1.956	0.008	.
1	A	31	GLU	HG2	2.111	0.006	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	31	GLU	HG3	2.111	0.006	.
1	A	32	TYR	HB2	2.882	0.006	.
1	A	32	TYR	HB3	2.882	0.006	.
1	A	32	TYR	HD1	7.059	0.002	.
1	A	32	TYR	HD2	7.059	0.002	.
1	A	32	TYR	HE1	6.777	0.000	.
1	A	32	TYR	HE2	6.777	0.000	.
1	A	32	TYR	CD1	132.933	0.039	.
1	A	32	TYR	CE1	118.227	0.000	.
1	A	33	ASP	HB2	2.462	0.000	.
1	A	33	ASP	HB3	2.720	0.000	.
1	A	34	PRO	HB2	2.282	0.003	.
1	A	34	PRO	HB3	1.997	0.009	.
1	A	34	PRO	HD2	3.549	0.003	.
1	A	34	PRO	HD3	3.746	0.002	.
1	A	34	PRO	HG2	1.967	0.010	.
1	A	34	PRO	HG3	1.967	0.010	.
1	A	35	SER	HB2	3.855	0.006	.
1	A	35	SER	HB3	3.893	0.002	.
1	A	36	ILE	HG12	1.154	0.001	.
1	A	36	ILE	HG13	1.420	0.009	.
1	A	37	GLU	HB2	1.792	0.006	.
1	A	37	GLU	HB3	1.979	0.008	.
1	A	37	GLU	HG2	2.184	0.000	.
1	A	37	GLU	HG3	1.184	0.000	.
1	A	38	ASP	HB2	2.544	0.005	.
1	A	38	ASP	HB3	2.704	0.003	.
1	A	39	SER	HB2	3.640	0.002	.
1	A	39	SER	HB3	3.640	0.020	.
1	A	40	TYR	HB2	2.712	0.000	.
1	A	40	TYR	HB3	2.910	0.000	.
1	A	40	TYR	HD1	6.995	0.001	.
1	A	40	TYR	HD2	6.995	0.001	.
1	A	40	TYR	HE1	6.760	0.002	.
1	A	40	TYR	HE2	6.760	0.002	.
1	A	40	TYR	CD2	133.242	0.019	.
1	A	40	TYR	CE2	117.917	0.035	.
1	A	41	ARG	HB2	1.678	0.003	.
1	A	41	ARG	HB3	1.678	0.003	.
1	A	41	ARG	HD2	3.082	0.003	.
1	A	41	ARG	HD3	3.121	0.007	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	41	ARG	HG2	1.564	0.003	.
1	A	41	ARG	HG3	1.541	0.007	.
1	A	42	LYS	HB2	1.474	0.003	.
1	A	42	LYS	HB3	1.679	0.004	.
1	A	42	LYS	HD2	1.397	0.002	.
1	A	42	LYS	HD3	1.731	0.006	.
1	A	42	LYS	HE2	3.057	0.000	.
1	A	42	LYS	HE3	3.057	0.000	.
1	A	42	LYS	HG2	1.255	0.004	.
1	A	42	LYS	HG3	1.471	0.000	.
1	A	43	GLN	HB2	1.942	0.003	.
1	A	43	GLN	HB3	1.942	0.003	.
1	A	43	GLN	HE21	7.260	0.001	.
1	A	43	GLN	HE22	6.783	0.001	.
1	A	43	GLN	HG2	2.123	0.001	.
1	A	43	GLN	HG3	2.231	0.001	.
1	A	44	VAL	HG11	0.706	0.001	.
1	A	44	VAL	HG12	0.706	0.001	.
1	A	44	VAL	HG13	0.706	0.001	.
1	A	44	VAL	HG21	0.849	0.003	.
1	A	44	VAL	HG22	0.849	0.003	.
1	A	44	VAL	HG23	0.849	0.003	.
1	A	44	VAL	CG1	19.966	0.045	.
1	A	44	VAL	CG2	21.677	0.045	.
1	A	45	VAL	HG11	0.636	0.001	.
1	A	45	VAL	HG12	0.636	0.001	.
1	A	45	VAL	HG13	0.636	0.001	.
1	A	45	VAL	HG21	0.880	0.001	.
1	A	45	VAL	HG22	0.880	0.001	.
1	A	45	VAL	HG23	0.880	0.001	.
1	A	45	VAL	CG1	20.866	0.019	.
1	A	45	VAL	CG2	20.964	0.009	.
1	A	46	ILE	HG12	-0.322	0.002	.
1	A	46	ILE	HG13	0.910	0.000	.
1	A	47	ASP	HB2	2.784	0.004	.
1	A	47	ASP	HB3	2.884	0.004	.
1	A	48	GLY	HA2	4.140	0.005	.
1	A	48	GLY	HA3	3.452	0.007	.
1	A	49	GLU	HB2	1.816	0.000	.
1	A	49	GLU	HB3	2.049	0.000	.
1	A	49	GLU	HG2	2.269	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	49	GLU	HG3	2.098	0.000	.
1	A	51	CYS	HB2	2.840	0.005	.
1	A	51	CYS	HB3	2.903	0.010	.
1	A	52	LEU	HB2	1.461	0.004	.
1	A	52	LEU	HB3	1.554	0.002	.
1	A	52	LEU	HD11	0.782	0.000	.
1	A	52	LEU	HD12	0.782	0.000	.
1	A	52	LEU	HD13	0.782	0.000	.
1	A	52	LEU	CD1	24.588	0.000	.
1	A	53	LEU	HB2	1.930	0.000	.
1	A	53	LEU	HB3	1.172	0.003	.
1	A	53	LEU	HD11	0.774	0.001	.
1	A	53	LEU	HD12	0.774	0.001	.
1	A	53	LEU	HD13	0.774	0.001	.
1	A	53	LEU	HD21	0.783	0.000	.
1	A	53	LEU	HD22	0.783	0.000	.
1	A	53	LEU	HD23	0.783	0.000	.
1	A	53	LEU	CD1	25.418	0.057	.
1	A	53	LEU	CD2	24.190	0.000	.
1	A	54	ASP	HB2	2.438	0.000	.
1	A	54	ASP	HB3	2.789	0.000	.
1	A	55	ILE	HG12	1.034	0.000	.
1	A	55	ILE	HG13	1.314	0.000	.
1	A	56	LEU	HB2	1.369	0.000	.
1	A	56	LEU	HB3	1.369	0.000	.
1	A	56	LEU	HD11	0.526	0.001	.
1	A	56	LEU	HD12	0.526	0.001	.
1	A	56	LEU	HD13	0.526	0.001	.
1	A	56	LEU	HD21	0.604	0.001	.
1	A	56	LEU	HD22	0.604	0.001	.
1	A	56	LEU	HD23	0.604	0.001	.
1	A	56	LEU	CD1	25.009	0.017	.
1	A	56	LEU	CD2	23.924	0.033	.
1	A	57	ASP	HB2	2.889	0.000	.
1	A	57	ASP	HB3	2.553	0.000	.
1	A	60	GLY	HA2	3.825	0.004	.
1	A	60	GLY	HA3	4.326	0.012	.
1	A	61	GLN	HB2	2.088	0.000	.
1	A	61	GLN	HB3	2.229	0.008	.
1	A	61	GLN	HE21	7.631	0.002	.
1	A	61	GLN	HE22	7.062	0.001	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	61	GLN	HG2	2.428	0.001	.
1	A	61	GLN	HG3	2.428	0.001	.
1	A	62	GLU	HB2	2.081	0.002	.
1	A	62	GLU	HB3	2.008	0.000	.
1	A	62	GLU	HG2	2.321	0.000	.
1	A	62	GLU	HG3	2.321	0.000	.
1	A	63	GLU	HB2	1.889	0.003	.
1	A	63	GLU	HB3	1.889	0.003	.
1	A	63	GLU	HG2	2.098	0.000	.
1	A	63	GLU	HG3	2.125	0.000	.
1	A	64	TYR	HB2	2.940	0.006	.
1	A	64	TYR	HB3	3.087	0.002	.
1	A	64	TYR	HD1	7.085	0.001	.
1	A	64	TYR	HD2	7.085	0.001	.
1	A	64	TYR	HE1	6.784	0.000	.
1	A	64	TYR	HE2	6.784	0.000	.
1	A	64	TYR	CD1	133.008	0.057	.
1	A	64	TYR	CE1	118.257	0.000	.
1	A	65	SER	HB2	3.781	0.002	.
1	A	65	SER	HB3	3.968	0.003	.
1	A	67	MET	HB2	1.902	0.003	.
1	A	67	MET	HB3	1.979	0.005	.
1	A	67	MET	HG2	2.436	0.005	.
1	A	67	MET	HG3	2.521	0.002	.
1	A	68	ARG	HB2	1.947	0.009	.
1	A	68	ARG	HB3	1.947	0.009	.
1	A	68	ARG	HD2	3.360	0.007	.
1	A	68	ARG	HD3	3.360	0.007	.
1	A	68	ARG	HG2	1.689	0.000	.
1	A	68	ARG	HG3	1.733	0.010	.
1	A	69	ASP	HB2	2.632	0.002	.
1	A	69	ASP	HB3	2.759	0.009	.
1	A	70	GLN	HB2	2.120	0.008	.
1	A	70	GLN	HB3	2.168	0.006	.
1	A	70	GLN	HE21	6.886	0.001	.
1	A	70	GLN	HE22	7.442	0.002	.
1	A	70	GLN	HG2	2.360	0.006	.
1	A	70	GLN	HG3	2.360	0.006	.
1	A	71	TYR	HB2	2.990	0.005	.
1	A	71	TYR	HB3	3.209	0.006	.
1	A	71	TYR	HD1	7.014	0.002	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	71	TYR	HD2	7.014	0.002	.
1	A	71	TYR	HE1	6.818	0.002	.
1	A	71	TYR	HE2	6.818	0.002	.
1	A	71	TYR	CD2	132.485	0.073	.
1	A	71	TYR	CE2	118.358	0.017	.
1	A	72	MET	HB2	1.958	0.008	.
1	A	72	MET	HB3	2.365	0.008	.
1	A	72	MET	HG2	2.961	0.001	.
1	A	72	MET	HG3	2.469	0.004	.
1	A	73	ARG	HB2	1.948	0.000	.
1	A	73	ARG	HB3	1.948	0.000	.
1	A	73	ARG	HD2	3.201	0.008	.
1	A	73	ARG	HD3	3.284	0.000	.
1	A	73	ARG	HG2	1.682	0.000	.
1	A	73	ARG	HG3	1.794	0.010	.
1	A	75	GLY	HA2	3.510	0.005	.
1	A	75	GLY	HA3	3.223	0.005	.
1	A	76	GLU	HB2	2.154	0.000	.
1	A	76	GLU	HB3	2.374	0.012	.
1	A	76	GLU	HG2	2.396	0.001	.
1	A	76	GLU	HG3	2.482	0.007	.
1	A	77	GLY	HA2	4.914	0.018	.
1	A	77	GLY	HA3	3.155	0.004	.
1	A	78	PHE	HB2	2.746	0.000	.
1	A	78	PHE	HB3	2.746	0.000	.
1	A	78	PHE	HD1	7.085	0.003	.
1	A	78	PHE	HD2	7.085	0.003	.
1	A	78	PHE	HE1	7.066	0.001	.
1	A	78	PHE	HE2	7.066	0.001	.
1	A	78	PHE	CD2	132.699	0.074	.
1	A	78	PHE	CE2	130.582	0.045	.
1	A	79	LEU	HB2	1.184	0.000	.
1	A	79	LEU	HB3	1.623	0.004	.
1	A	79	LEU	HD11	0.113	0.001	.
1	A	79	LEU	HD12	0.113	0.001	.
1	A	79	LEU	HD13	0.113	0.001	.
1	A	79	LEU	HD21	0.161	0.001	.
1	A	79	LEU	HD22	0.161	0.001	.
1	A	79	LEU	HD23	0.161	0.001	.
1	A	79	LEU	CD1	25.027	0.029	.
1	A	79	LEU	CD2	25.609	0.012	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	80	CYS	HB2	2.665	0.001	.
1	A	80	CYS	HB3	2.957	0.002	.
1	A	81	VAL	HG11	0.556	0.000	.
1	A	81	VAL	HG12	0.556	0.000	.
1	A	81	VAL	HG13	0.556	0.000	.
1	A	81	VAL	HG21	0.663	0.010	.
1	A	81	VAL	HG22	0.663	0.010	.
1	A	81	VAL	HG23	0.663	0.010	.
1	A	81	VAL	CG1	22.779	0.000	.
1	A	81	VAL	CG2	22.090	0.010	.
1	A	82	PHE	HB2	2.932	0.000	.
1	A	82	PHE	HB3	3.683	0.000	.
1	A	84	ILE	HG12	1.267	0.000	.
1	A	84	ILE	HG13	1.028	0.000	.
1	A	85	ASN	HB2	3.308	0.000	.
1	A	85	ASN	HB3	2.394	0.000	.
1	A	85	ASN	HD21	6.848	0.001	.
1	A	85	ASN	HD22	7.773	0.000	.
1	A	86	ASN	HB2	2.488	0.000	.
1	A	86	ASN	HB3	3.201	0.000	.
1	A	86	ASN	HD21	7.187	0.000	.
1	A	86	ASN	HD22	8.059	0.000	.
1	A	88	LYS	HB2	1.958	0.000	.
1	A	88	LYS	HB3	2.054	0.000	.
1	A	88	LYS	HD2	1.821	0.000	.
1	A	88	LYS	HD3	1.691	0.000	.
1	A	88	LYS	HE2	3.076	0.000	.
1	A	88	LYS	HE3	3.076	0.000	.
1	A	88	LYS	HG2	1.545	0.000	.
1	A	88	LYS	HG3	1.545	0.000	.
1	A	89	SER	HB2	4.064	0.000	.
1	A	89	SER	HB3	4.495	0.000	.
1	A	90	PHE	HB2	2.720	0.000	.
1	A	90	PHE	HB3	3.263	0.000	.
1	A	90	PHE	HD1	6.000	0.001	.
1	A	90	PHE	HD2	6.000	0.001	.
1	A	90	PHE	HE1	6.779	0.000	.
1	A	90	PHE	HE2	6.779	0.000	.
1	A	90	PHE	CD1	131.544	0.020	.
1	A	90	PHE	CE1	130.381	0.000	.
1	A	91	GLU	HB2	2.120	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	91	GLU	HB3	2.248	0.000	.
1	A	91	GLU	HG2	2.546	0.000	.
1	A	91	GLU	HG3	2.325	0.000	.
1	A	92	ASP	HB2	2.899	0.000	.
1	A	92	ASP	HB3	2.899	0.000	.
1	A	93	ILE	HG12	2.231	0.000	.
1	A	93	ILE	HG13	1.392	0.000	.
1	A	94	HIS	HB2	3.132	0.003	.
1	A	94	HIS	HB3	3.255	0.007	.
1	A	95	HIS	HB2	3.034	0.004	.
1	A	95	HIS	HB3	3.034	0.004	.
1	A	96	TYR	HB2	2.882	0.000	.
1	A	96	TYR	HB3	2.882	0.000	.
1	A	96	TYR	HD1	7.078	0.000	.
1	A	96	TYR	HD2	7.078	0.000	.
1	A	96	TYR	HE1	6.887	0.001	.
1	A	96	TYR	HE2	6.887	0.001	.
1	A	96	TYR	CD1	132.479	0.000	.
1	A	96	TYR	CE1	118.581	0.018	.
1	A	97	ARG	HB2	1.381	0.000	.
1	A	97	ARG	HB3	1.774	0.000	.
1	A	97	ARG	HD2	2.024	0.000	.
1	A	97	ARG	HD3	2.231	0.000	.
1	A	97	ARG	HG2	1.095	0.000	.
1	A	97	ARG	HG3	1.145	0.000	.
1	A	98	GLU	HB2	2.012	0.000	.
1	A	98	GLU	HB3	2.012	0.000	.
1	A	98	GLU	HG2	2.246	0.000	.
1	A	98	GLU	HG3	2.205	0.000	.
1	A	99	GLN	HB2	2.005	0.000	.
1	A	99	GLN	HB3	2.005	0.000	.
1	A	99	GLN	HE21	7.223	0.001	.
1	A	99	GLN	HE22	6.673	0.000	.
1	A	99	GLN	HG2	2.168	0.000	.
1	A	99	GLN	HG3	2.278	0.000	.
1	A	100	ILE	HG12	-0.110	0.004	.
1	A	100	ILE	HG13	1.571	0.000	.
1	A	101	LYS	HB2	1.685	0.000	.
1	A	101	LYS	HB3	1.773	0.000	.
1	A	101	LYS	HD2	1.525	0.000	.
1	A	101	LYS	HD3	1.549	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	101	LYS	HE2	2.831	0.000	.
1	A	101	LYS	HE3	2.831	0.000	.
1	A	101	LYS	HG2	1.346	0.000	.
1	A	101	LYS	HG3	1.346	0.000	.
1	A	102	ARG	HB2	1.937	0.000	.
1	A	102	ARG	HB3	1.877	0.000	.
1	A	102	ARG	HD2	3.175	0.000	.
1	A	102	ARG	HD3	3.241	0.000	.
1	A	102	ARG	HG2	1.545	0.000	.
1	A	102	ARG	HG3	1.663	0.000	.
1	A	103	VAL	HG11	1.040	0.000	.
1	A	103	VAL	HG12	1.040	0.000	.
1	A	103	VAL	HG13	1.040	0.000	.
1	A	103	VAL	HG21	0.940	0.000	.
1	A	103	VAL	HG22	0.940	0.000	.
1	A	103	VAL	HG23	0.940	0.000	.
1	A	103	VAL	CG1	22.349	0.000	.
1	A	103	VAL	CG2	21.641	0.000	.
1	A	104	LYS	HB2	1.861	0.000	.
1	A	104	LYS	HB3	1.861	0.000	.
1	A	104	LYS	HD2	1.917	0.000	.
1	A	104	LYS	HD3	1.835	0.000	.
1	A	104	LYS	HE2	3.220	0.000	.
1	A	104	LYS	HE3	3.265	0.000	.
1	A	104	LYS	HG2	1.589	0.000	.
1	A	104	LYS	HG3	1.422	0.000	.
1	A	105	ASP	HB2	3.113	0.000	.
1	A	105	ASP	HB3	2.360	0.000	.
1	A	106	SER	HB2	3.233	0.005	.
1	A	106	SER	HB3	3.802	0.002	.
1	A	107	GLU	HB2	1.886	0.000	.
1	A	107	GLU	HB3	2.169	0.000	.
1	A	107	GLU	HG2	2.208	0.000	.
1	A	107	GLU	HG3	2.325	0.000	.
1	A	108	ASP	HB2	2.537	0.000	.
1	A	108	ASP	HB3	2.760	0.000	.
1	A	109	VAL	HG11	0.743	0.000	.
1	A	109	VAL	HG12	0.743	0.000	.
1	A	109	VAL	HG13	0.743	0.000	.
1	A	109	VAL	HG21	0.956	0.000	.
1	A	109	VAL	HG22	0.956	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	109	VAL	HG23	0.956	0.000	.
1	A	109	VAL	CG1	21.599	0.000	.
1	A	109	VAL	CG2	21.202	0.000	.
1	A	110	PRO	HB2	1.826	0.000	.
1	A	110	PRO	HB3	2.125	0.000	.
1	A	110	PRO	HD2	3.572	0.002	.
1	A	110	PRO	HD3	3.781	0.004	.
1	A	110	PRO	HG2	2.228	0.000	.
1	A	110	PRO	HG3	1.506	0.000	.
1	A	111	MET	HB2	2.099	0.003	.
1	A	111	MET	HB3	2.119	0.000	.
1	A	111	MET	HG2	2.607	0.006	.
1	A	111	MET	HG3	2.695	0.015	.
1	A	112	VAL	HG11	0.748	0.000	.
1	A	112	VAL	HG12	0.748	0.000	.
1	A	112	VAL	HG13	0.748	0.000	.
1	A	112	VAL	HG21	0.783	0.000	.
1	A	112	VAL	HG22	0.783	0.000	.
1	A	112	VAL	HG23	0.783	0.000	.
1	A	112	VAL	CG1	21.177	0.000	.
1	A	112	VAL	CG2	22.706	0.000	.
1	A	113	LEU	HB2	2.491	0.000	.
1	A	113	LEU	HB3	1.476	0.000	.
1	A	113	LEU	HD11	1.339	0.000	.
1	A	113	LEU	HD12	1.339	0.000	.
1	A	113	LEU	HD13	1.339	0.000	.
1	A	113	LEU	HD21	1.068	0.000	.
1	A	113	LEU	HD22	1.068	0.000	.
1	A	113	LEU	HD23	1.068	0.000	.
1	A	113	LEU	CD1	25.402	0.000	.
1	A	113	LEU	CD2	27.262	0.000	.
1	A	114	VAL	HG11	0.609	0.000	.
1	A	114	VAL	HG12	0.609	0.000	.
1	A	114	VAL	HG13	0.609	0.000	.
1	A	114	VAL	HG21	0.699	0.000	.
1	A	114	VAL	HG22	0.699	0.000	.
1	A	114	VAL	HG23	0.699	0.000	.
1	A	114	VAL	CG1	23.073	0.000	.
1	A	114	VAL	CG2	23.404	0.000	.
1	A	115	GLY	HA2	2.414	0.003	.
1	A	115	GLY	HA3	2.899	0.001	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	116	ASN	HB2	2.182	0.000	.
1	A	116	ASN	HB3	2.543	0.000	.
1	A	116	ASN	HD21	8.842	0.002	.
1	A	116	ASN	HD22	7.454	0.001	.
1	A	117	LYS	HB2	1.647	0.000	.
1	A	117	LYS	HB3	2.395	0.000	.
1	A	118	SER	HB2	3.653	0.000	.
1	A	118	SER	HB3	3.881	0.000	.
1	A	119	ASP	HB2	2.592	0.000	.
1	A	119	ASP	HB3	2.592	0.000	.
1	A	120	LEU	HB2	1.948	0.000	.
1	A	120	LEU	HB3	1.431	0.000	.
1	A	120	LEU	HD11	0.892	0.000	.
1	A	120	LEU	HD12	0.892	0.000	.
1	A	120	LEU	HD13	0.892	0.000	.
1	A	120	LEU	HD21	0.923	0.000	.
1	A	120	LEU	HD22	0.923	0.000	.
1	A	120	LEU	HD23	0.923	0.000	.
1	A	120	LEU	CD1	27.211	0.000	.
1	A	120	LEU	CD2	22.390	0.000	.
1	A	121	PRO	HB2	2.115	0.000	.
1	A	121	PRO	HB3	2.264	0.000	.
1	A	121	PRO	HD2	3.833	0.002	.
1	A	121	PRO	HD3	3.894	0.010	.
1	A	121	PRO	HG2	2.129	0.000	.
1	A	121	PRO	HG3	1.985	0.000	.
1	A	122	SER	HB2	3.806	0.000	.
1	A	122	SER	HB3	3.988	0.000	.
1	A	123	ARG	HB2	1.659	0.000	.
1	A	123	ARG	HB3	1.890	0.000	.
1	A	123	ARG	HD2	3.120	0.000	.
1	A	123	ARG	HD3	3.468	0.000	.
1	A	123	ARG	HG2	1.468	0.000	.
1	A	123	ARG	HG3	1.435	0.000	.
1	A	125	VAL	HG11	-0.125	0.001	.
1	A	125	VAL	HG12	-0.125	0.001	.
1	A	125	VAL	HG13	-0.125	0.001	.
1	A	125	VAL	HG21	0.703	0.000	.
1	A	125	VAL	HG22	0.703	0.000	.
1	A	125	VAL	HG23	0.703	0.000	.
1	A	125	VAL	CG1	19.346	0.013	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	125	VAL	CG2	20.295	0.000	.
1	A	126	ASP	HB2	2.664	0.000	.
1	A	126	ASP	HB3	2.664	0.000	.
1	A	128	LYS	HB2	1.805	0.000	.
1	A	128	LYS	HB3	1.805	0.000	.
1	A	128	LYS	HD2	1.620	0.000	.
1	A	128	LYS	HD3	1.708	0.000	.
1	A	128	LYS	HE2	3.006	0.000	.
1	A	128	LYS	HE3	3.006	0.000	.
1	A	128	LYS	HG2	1.396	0.000	.
1	A	128	LYS	HG3	1.434	0.000	.
1	A	129	GLN	HB2	1.918	0.000	.
1	A	129	GLN	HB3	2.034	0.000	.
1	A	129	GLN	HE21	6.911	0.001	.
1	A	129	GLN	HE22	7.574	0.001	.
1	A	129	GLN	HG2	2.293	0.000	.
1	A	129	GLN	HG3	2.368	0.000	.
1	A	131	GLN	HB2	2.233	0.000	.
1	A	131	GLN	HB3	2.018	0.000	.
1	A	131	GLN	HE21	7.552	0.002	.
1	A	131	GLN	HE22	6.960	0.001	.
1	A	131	GLN	HG2	2.518	0.000	.
1	A	131	GLN	HG3	2.518	0.000	.
1	A	132	ASP	HB2	2.562	0.000	.
1	A	132	ASP	HB3	2.751	0.000	.
1	A	133	LEU	HB2	1.753	0.000	.
1	A	133	LEU	HB3	1.449	0.000	.
1	A	133	LEU	HD11	0.424	0.001	.
1	A	133	LEU	HD12	0.424	0.001	.
1	A	133	LEU	HD13	0.424	0.001	.
1	A	133	LEU	HD21	0.463	0.000	.
1	A	133	LEU	HD22	0.463	0.000	.
1	A	133	LEU	HD23	0.463	0.000	.
1	A	133	LEU	CD1	26.185	0.024	.
1	A	133	LEU	CD2	22.873	0.000	.
1	A	135	ARG	HB2	1.957	0.000	.
1	A	135	ARG	HB3	2.016	0.000	.
1	A	135	ARG	HD2	3.271	0.000	.
1	A	135	ARG	HD3	3.271	0.000	.
1	A	135	ARG	HG2	1.660	0.000	.
1	A	135	ARG	HG3	1.803	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	136	SER	HB2	3.925	0.000	.
1	A	136	SER	HB3	3.925	0.000	.
1	A	137	TYR	HB2	3.076	0.000	.
1	A	137	TYR	HB3	3.269	0.000	.
1	A	137	TYR	HD1	6.801	0.000	.
1	A	137	TYR	HD2	6.801	0.000	.
1	A	137	TYR	HE1	6.593	0.002	.
1	A	137	TYR	HE2	6.593	0.002	.
1	A	137	TYR	CD1	130.255	0.000	.
1	A	137	TYR	CE1	118.153	0.019	.
1	A	138	GLY	HA2	4.175	0.013	.
1	A	138	GLY	HA3	4.014	0.004	.
1	A	139	ILE	HG12	1.413	0.000	.
1	A	139	ILE	HG13	1.691	0.000	.
1	A	140	PRO	HB2	2.533	0.000	.
1	A	140	PRO	HB3	1.669	0.000	.
1	A	140	PRO	HD2	3.974	0.003	.
1	A	140	PRO	HD3	4.068	0.004	.
1	A	140	PRO	HG2	1.957	0.000	.
1	A	140	PRO	HG3	1.783	0.000	.
1	A	141	PHE	HB2	2.788	0.000	.
1	A	141	PHE	HB3	3.099	0.000	.
1	A	141	PHE	HD1	7.168	0.001	.
1	A	141	PHE	HD2	7.168	0.001	.
1	A	141	PHE	HE1	7.287	0.003	.
1	A	141	PHE	HE2	7.287	0.003	.
1	A	141	PHE	CD1	131.842	0.021	.
1	A	141	PHE	CE1	131.193	0.075	.
1	A	142	ILE	HG12	1.024	0.000	.
1	A	142	ILE	HG13	1.253	0.000	.
1	A	143	GLU	HB2	1.744	0.000	.
1	A	143	GLU	HB3	1.873	0.000	.
1	A	143	GLU	HG2	2.123	0.000	.
1	A	143	GLU	HG3	2.280	0.000	.
1	A	145	SER	HB2	3.995	0.000	.
1	A	145	SER	HB3	3.995	0.000	.
1	A	147	LYS	HB2	0.391	0.007	.
1	A	147	LYS	HB3	1.071	0.011	.
1	A	147	LYS	HD2	1.210	0.000	.
1	A	147	LYS	HD3	1.338	0.000	.
1	A	147	LYS	HE2	2.733	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	147	LYS	HE3	2.785	0.000	.
1	A	147	LYS	HG2	0.434	0.000	.
1	A	147	LYS	HG3	0.676	0.000	.
1	A	149	ARG	HB2	1.671	0.000	.
1	A	149	ARG	HB3	2.218	0.000	.
1	A	149	ARG	HD2	3.118	0.000	.
1	A	149	ARG	HD3	3.118	0.000	.
1	A	149	ARG	HG2	1.166	0.005	.
1	A	149	ARG	HG3	1.935	0.000	.
1	A	150	GLN	HB2	1.929	0.000	.
1	A	150	GLN	HB3	1.752	0.000	.
1	A	150	GLN	HE21	7.342	0.002	.
1	A	150	GLN	HE22	6.927	0.001	.
1	A	150	GLN	HG2	2.192	0.000	.
1	A	150	GLN	HG3	2.306	0.000	.
1	A	151	GLY	HA2	3.804	0.009	.
1	A	151	GLY	HA3	4.058	0.007	.
1	A	152	VAL	HG11	0.929	0.000	.
1	A	152	VAL	HG12	0.929	0.000	.
1	A	152	VAL	HG13	0.929	0.000	.
1	A	152	VAL	HG21	0.766	0.000	.
1	A	152	VAL	HG22	0.766	0.000	.
1	A	152	VAL	HG23	0.766	0.000	.
1	A	152	VAL	CG1	20.933	0.000	.
1	A	152	VAL	CG2	24.145	0.000	.
1	A	153	ASP	HB2	1.846	0.000	.
1	A	153	ASP	HB3	2.204	0.000	.
1	A	154	ASP	HB2	2.428	0.000	.
1	A	154	ASP	HB3	2.481	0.000	.
1	A	156	PHE	HB2	2.652	0.000	.
1	A	156	PHE	HB3	2.845	0.000	.
1	A	156	PHE	HD1	7.377	0.003	.
1	A	156	PHE	HD2	7.377	0.003	.
1	A	156	PHE	HE1	6.931	0.000	.
1	A	156	PHE	HE2	6.931	0.000	.
1	A	156	PHE	CD2	132.363	0.048	.
1	A	156	PHE	CE2	131.174	0.000	.
1	A	157	TYR	HB2	2.931	0.000	.
1	A	157	TYR	HB3	3.286	0.000	.
1	A	157	TYR	HD1	6.910	0.000	.
1	A	157	TYR	HD2	6.910	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	157	TYR	HE1	6.676	0.001	.
1	A	157	TYR	HE2	6.676	0.001	.
1	A	157	TYR	CD1	131.155	0.000	.
1	A	157	TYR	CE1	117.546	0.036	.
1	A	159	LEU	HB2	1.241	0.000	.
1	A	159	LEU	HB3	2.131	0.000	.
1	A	159	LEU	HD11	0.691	0.000	.
1	A	159	LEU	HD12	0.691	0.000	.
1	A	159	LEU	HD13	0.691	0.000	.
1	A	159	LEU	HD21	0.826	0.000	.
1	A	159	LEU	HD22	0.826	0.000	.
1	A	159	LEU	HD23	0.826	0.000	.
1	A	159	LEU	CD1	27.425	0.000	.
1	A	159	LEU	CD2	21.665	0.000	.
1	A	160	VAL	HG11	0.078	0.001	.
1	A	160	VAL	HG12	0.078	0.001	.
1	A	160	VAL	HG13	0.078	0.001	.
1	A	160	VAL	HG21	0.704	0.000	.
1	A	160	VAL	HG22	0.704	0.000	.
1	A	160	VAL	HG23	0.704	0.000	.
1	A	160	VAL	CG1	19.849	0.006	.
1	A	160	VAL	CG2	23.950	0.000	.
1	A	161	ARG	HB2	1.869	0.000	.
1	A	161	ARG	HB3	2.069	0.000	.
1	A	161	ARG	HD2	3.142	0.000	.
1	A	161	ARG	HD3	3.142	0.000	.
1	A	161	ARG	HG2	1.551	0.000	.
1	A	161	ARG	HG3	1.793	0.000	.
1	A	162	GLU	HB2	2.428	0.000	.
1	A	162	GLU	HB3	2.242	0.000	.
1	A	162	GLU	HG2	2.160	0.000	.
1	A	162	GLU	HG3	2.506	0.000	.
1	A	163	ILE	HG12	0.851	0.000	.
1	A	163	ILE	HG13	1.825	0.000	.
1	A	164	ARG	HB2	1.991	0.000	.
1	A	164	ARG	HB3	1.936	0.000	.
1	A	164	ARG	HD2	3.116	0.000	.
1	A	164	ARG	HD3	3.051	0.000	.
1	A	164	ARG	HG2	1.845	0.000	.
1	A	164	ARG	HG3	1.845	0.000	.
1	A	165	LYS	HB2	1.897	0.000	.

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	165	LYS	HB3	1.931	0.000	.
1	A	165	LYS	HD2	1.708	0.000	.
1	A	165	LYS	HD3	1.708	0.000	.
1	A	165	LYS	HE2	2.923	0.000	.
1	A	165	LYS	HE3	2.923	0.000	.
1	A	165	LYS	HG2	1.590	0.000	.
1	A	165	LYS	HG3	1.590	0.000	.
1	A	166	HIS	HB2	3.617	0.005	.
1	A	166	HIS	HB3	3.313	0.007	.
1	A	167	LYS	HB2	1.956	0.000	.
1	A	167	LYS	HB3	2.002	0.000	.
1	A	167	LYS	HD2	1.782	0.000	.
1	A	167	LYS	HD3	1.749	0.000	.
1	A	167	LYS	HE2	2.999	0.000	.
1	A	167	LYS	HE3	2.999	0.000	.
1	A	167	LYS	HG2	1.736	0.000	.
1	A	167	LYS	HG3	1.568	0.000	.
1	A	168	GLU	HB2	2.020	0.000	.
1	A	168	GLU	HB3	2.154	0.000	.
1	A	168	GLU	HG2	2.436	0.000	.
1	A	168	GLU	HG3	2.333	0.000	.
1	A	169	LYS	HB2	1.762	0.000	.
1	A	169	LYS	HB3	1.846	0.000	.
1	A	169	LYS	HD2	1.446	0.000	.
1	A	169	LYS	HD3	1.691	0.000	.
1	A	169	LYS	HE2	3.004	0.000	.
1	A	169	LYS	HE3	3.004	0.000	.
1	A	169	LYS	HG2	1.445	0.000	.
1	A	169	LYS	HG3	1.445	0.000	.

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 6 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	12	GLY	H	8.674	0.005	1
1	A	12	GLY	HA2	3.706	0.004	.
1	A	12	GLY	HA3	4.798	0.000	.
1	A	12	GLY	C	176.836	0.045	1
1	A	12	GLY	CA	46.522	0.046	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	12	GLY	N	106.217	0.036	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	169	-0.30 ± 0.12	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	158	0.31 ± 0.08	None needed (< 0.5 ppm)
$^{13}C'$	169	0.10 ± 0.08	None needed (< 0.5 ppm)
^{15}N	165	0.04 ± 0.25	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 59%, i.e. 1351 atoms were assigned a chemical shift out of a possible 2293. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	812/837 (97%)	318/340 (94%)	332/334 (99%)	162/163 (99%)
Sidechain	514/1292 (40%)	196/834 (24%)	295/404 (73%)	23/54 (43%)
Aromatic	25/164 (15%)	13/78 (17%)	12/78 (15%)	0/8 (0%)
Overall	1351/2293 (59%)	527/1252 (42%)	639/816 (78%)	185/225 (82%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 59%, i.e. 1367 atoms were assigned a chemical shift out of a possible 2323. 0 out of 26 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	822/847 (97%)	322/344 (94%)	336/338 (99%)	164/165 (99%)
Sidechain	520/1312 (40%)	196/846 (23%)	301/411 (73%)	23/55 (42%)
Aromatic	25/164 (15%)	13/78 (17%)	12/78 (15%)	0/8 (0%)
Overall	1367/2323 (59%)	531/1268 (42%)	649/827 (78%)	187/228 (82%)

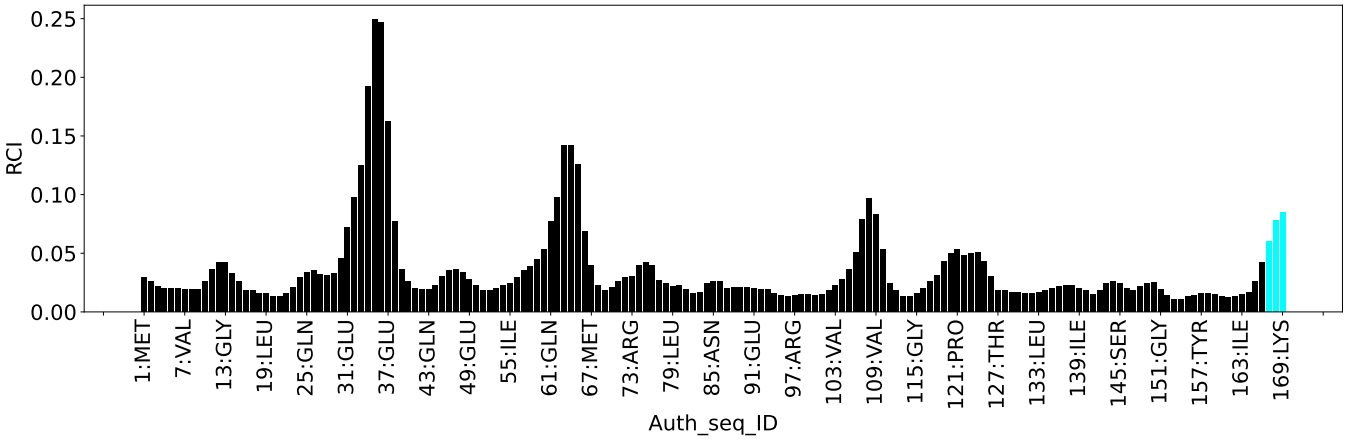
7.1.4 Statistically unusual chemical shifts

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



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	3341
Intra-residue (|i-j|=0)	795
Sequential (|i-j|=1)	859
Medium range (|i-j|>1 and |i-j|<5)	583
Long range (|i-j|≥5)	1063
Inter-chain	35
Hydrogen bond restraints	3
Disulfide bond restraints	0
Total dihedral-angle restraints	268
Number of unmapped restraints	16
Number of restraints per residue	21.0
Number of long range restraints per residue[1]	6.2

[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)	83.4	0.2
0.2-0.5 (Medium)	186.1	0.5
>0.5 (Large)	231.6	6.89

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)	5.5	9.32
10.0-20.0 (Medium)	0.5	17.76
>20.0 (Large)	3.0	116.8

9 Distance violation analysis (i)

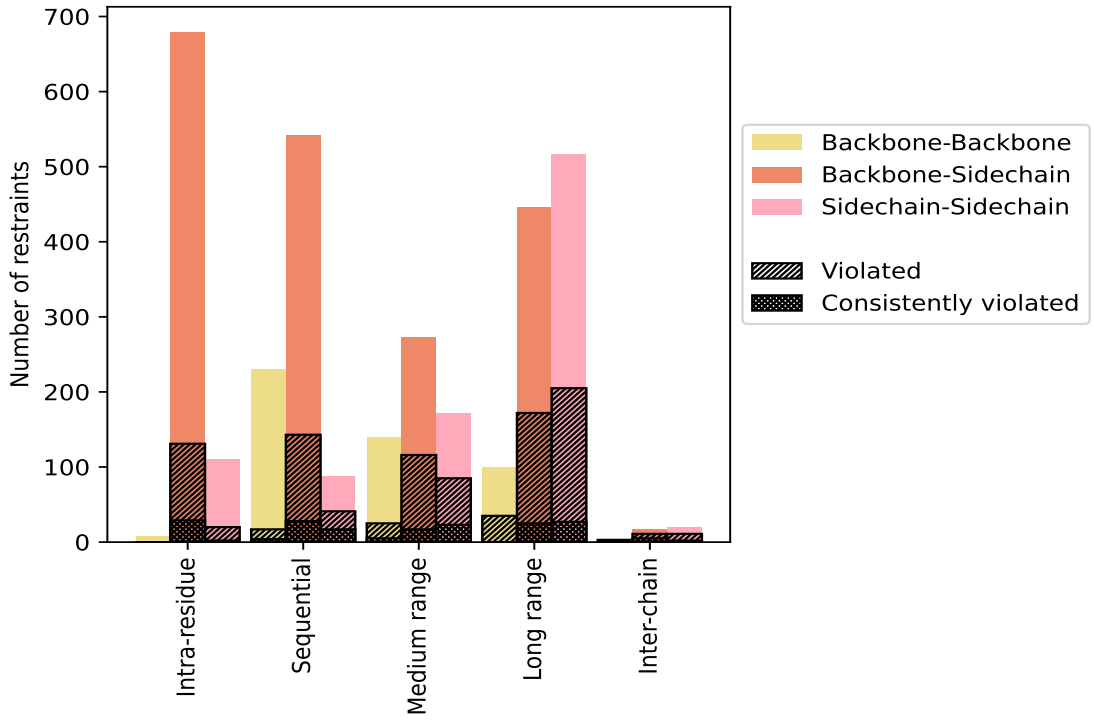
9.1 Summary of distance violations (i)

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)	795	23.8	151	19.0	4.5	31	3.9	0.9
Backbone-Backbone	7	0.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	679	20.3	131	19.3	3.9	29	4.3	0.9
Sidechain-Sidechain	109	3.3	20	18.3	0.6	2	1.8	0.1
Sequential (|i-j|=1)	859	25.7	201	23.4	6.0	49	5.7	1.5
Backbone-Backbone	230	6.9	17	7.4	0.5	4	1.7	0.1
Backbone-Sidechain	542	16.2	143	26.4	4.3	28	5.2	0.8
Sidechain-Sidechain	87	2.6	41	47.1	1.2	17	19.5	0.5
Medium range (|i-j|>1 & |i-j|<5)	583	17.4	226	38.8	6.8	45	7.7	1.3
Backbone-Backbone	139	4.2	25	18.0	0.7	5	3.6	0.1
Backbone-Sidechain	273	8.2	116	42.5	3.5	17	6.2	0.5
Sidechain-Sidechain	171	5.1	85	49.7	2.5	23	13.5	0.7
Long range (|i-j|≥5)	1063	31.8	412	38.8	12.3	52	4.9	1.6
Backbone-Backbone	100	3.0	35	35.0	1.0	0	0.0	0.0
Backbone-Sidechain	446	13.3	172	38.6	5.1	25	5.6	0.7
Sidechain-Sidechain	517	15.5	205	39.7	6.1	27	5.2	0.8
Inter-chain	35	1.0	23	65.7	0.7	9	25.7	0.3
Backbone-Backbone	4	0.1	3	75.0	0.1	2	50.0	0.1
Backbone-Sidechain	17	0.5	11	64.7	0.3	5	29.4	0.1
Sidechain-Sidechain	14	0.4	9	64.3	0.3	2	14.3	0.1
Hydrogen bond	3	0.1	1	33.3	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3341	100.0	1015	30.4	30.4	186	5.6	5.6
Backbone-Backbone	480	14.4	80	16.7	2.4	11	2.3	0.3
Backbone-Sidechain	1957	58.6	573	29.3	17.2	104	5.3	3.1
Sidechain-Sidechain	904	27.1	362	40.0	10.8	71	7.9	2.1

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	74	119	112	176	18	499	0.68	5.8	0.7	0.48
2	75	127	118	183	20	523	0.68	6.08	0.73	0.45
3	80	111	105	183	21	500	0.69	5.67	0.72	0.47
4	68	118	120	183	21	510	0.69	6.25	0.74	0.45
5	69	119	112	184	21	505	0.69	6.72	0.77	0.45
6	73	115	113	174	18	493	0.71	6.56	0.74	0.48
7	86	110	111	184	19	510	0.69	6.22	0.72	0.46
8	84	106	115	164	17	486	0.7	5.66	0.72	0.47
9	78	114	119	178	18	507	0.72	6.24	0.76	0.47
10	78	110	107	185	16	496	0.71	5.94	0.73	0.46

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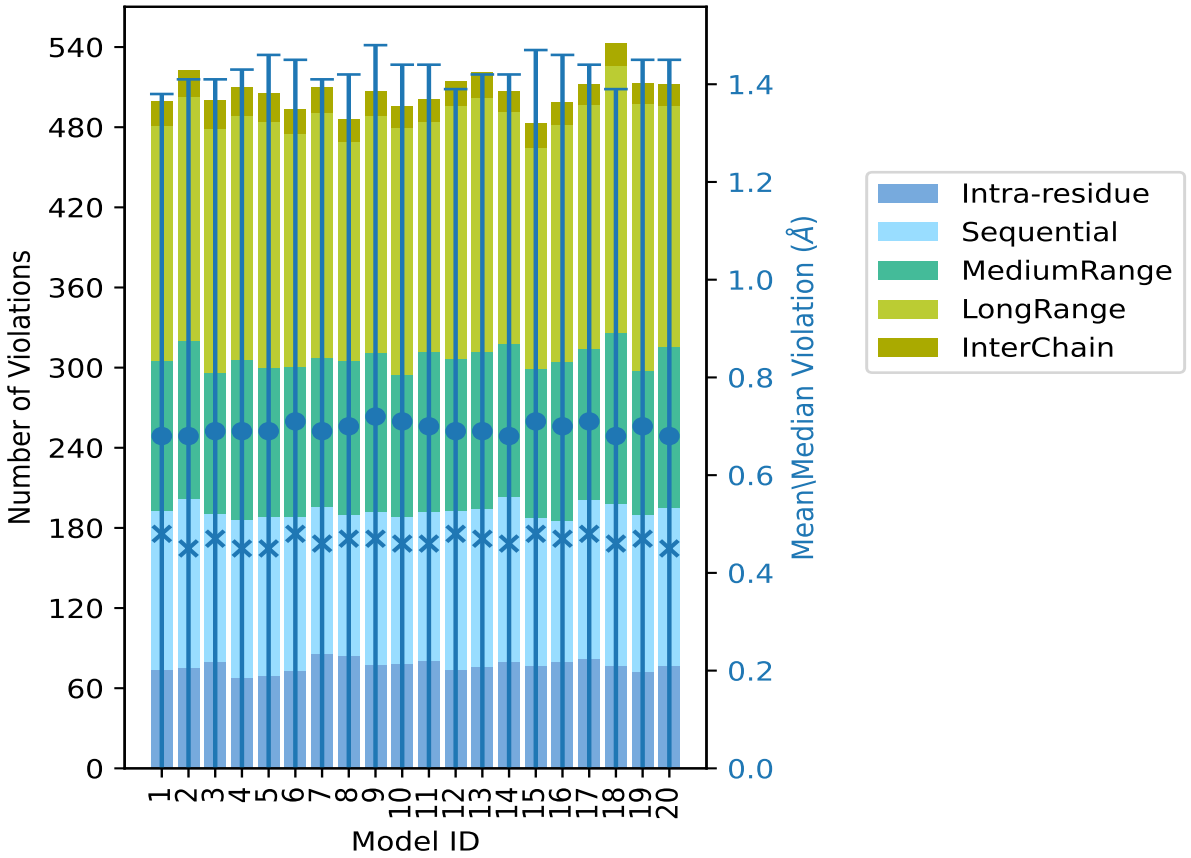
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	81	111	120	172	17	501	0.7	5.82	0.74	0.46
12	74	119	114	189	18	514	0.69	5.8	0.7	0.48
13	76	118	118	190	19	521	0.69	6.54	0.73	0.47
14	80	123	115	174	15	507	0.68	5.91	0.74	0.46
15	77	111	111	166	18	483	0.71	6.89	0.76	0.48
16	80	105	119	178	17	499	0.7	6.59	0.76	0.47
17	82	119	113	183	15	512	0.71	5.47	0.73	0.48
18	77	121	128	200	17	543	0.68	6.39	0.71	0.46
19	72	118	108	200	15	513	0.7	6.89	0.75	0.47
20	77	118	121	180	16	512	0.68	6.31	0.77	0.45

[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

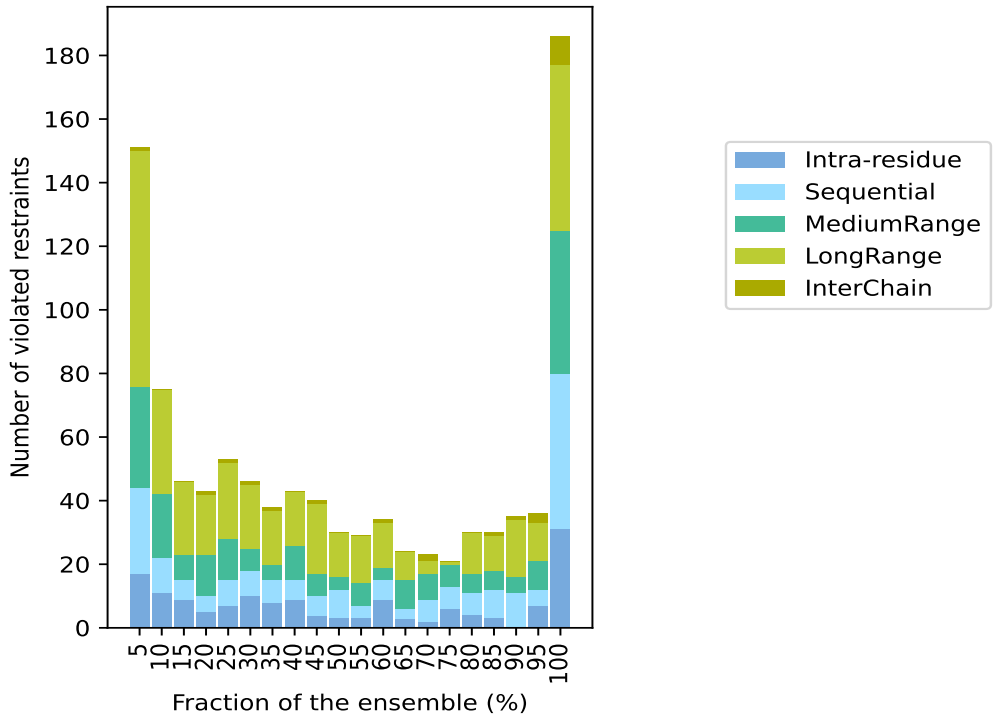
9.3 Distance violation statistics for the ensemble (i)

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, 2322(IR:644, SQ:658, MR:357, LR:651, IC:12) 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]	%
17	27	32	74	1	151	1	5.0
11	11	20	33	0	75	2	10.0
9	6	8	23	0	46	3	15.0
5	5	13	19	1	43	4	20.0
7	8	13	24	1	53	5	25.0
10	8	7	20	1	46	6	30.0
8	7	5	17	1	38	7	35.0
9	6	11	17	0	43	8	40.0
4	6	7	22	1	40	9	45.0
3	9	4	14	0	30	10	50.0
3	4	7	15	0	29	11	55.0
9	6	4	14	1	34	12	60.0
3	3	9	9	0	24	13	65.0
2	7	8	4	2	23	14	70.0
6	7	7	1	0	21	15	75.0
4	7	6	13	0	30	16	80.0
3	9	6	11	1	30	17	85.0
0	11	5	18	1	35	18	90.0
7	5	9	12	3	36	19	95.0
31	49	45	52	9	186	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

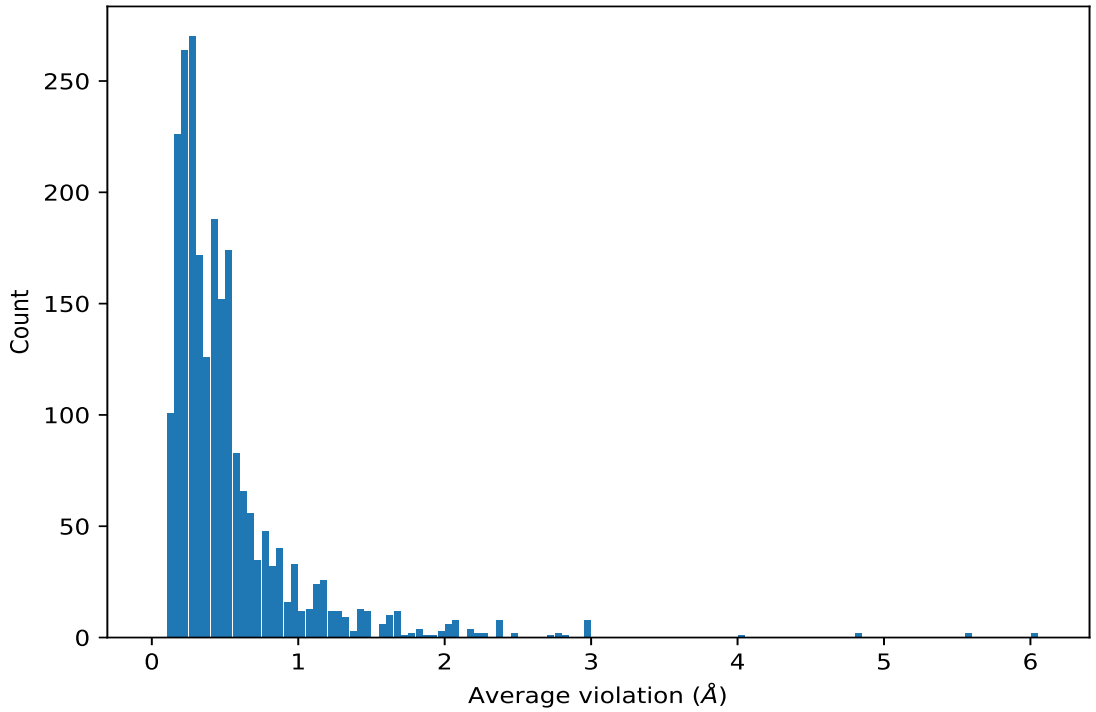
9.3.1 Bar graph : Distance violation statistics for the ensemble



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)
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	20	6.02	0.39	6.03
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	20	6.02	0.39	6.03
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	20	5.59	0.63	5.38
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	20	5.55	0.47	5.52
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	20	4.83	0.23	4.84
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	20	4.83	0.23	4.84
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	20	4.04	0.21	4.07
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	20	2.98	0.21	3.01
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	20	2.98	0.21	3.01
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	20	2.96	1.02	2.6
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	20	2.96	1.02	2.6
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	20	2.96	1.02	2.6
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	20	2.96	1.02	2.6
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	20	2.96	1.02	2.6
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	20	2.96	1.02	2.6
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	20	2.81	0.26	2.8

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	20	2.75	0.21	2.74
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	20	2.75	0.21	2.74
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	20	2.72	0.64	2.42
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	20	2.48	0.39	2.46
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	20	2.48	0.39	2.46
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	20	2.37	0.31	2.42
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	20	2.37	0.31	2.42
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	20	2.36	0.23	2.36
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	20	2.36	0.23	2.36
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	20	2.36	0.23	2.36
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	20	2.36	0.23	2.36
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	20	2.36	0.23	2.36
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	20	2.36	0.23	2.36
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	20	2.26	0.2	2.24
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	20	2.26	0.2	2.24
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	20	2.24	0.08	2.24
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	20	2.22	1.11	2.36
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	20	2.19	0.51	2.0
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	20	2.19	0.51	2.0
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	20	2.08	0.14	2.09
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	20	2.08	0.14	2.09
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	20	2.08	0.14	2.09
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	20	2.06	0.57	1.94
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	20	2.05	0.28	2.04
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	20	2.05	0.28	2.04
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	20	2.05	0.74	1.86
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	20	2.05	0.74	1.86
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	20	2.02	1.04	1.66
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	20	2.02	1.04	1.66
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	20	2.02	1.04	1.66
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	20	2.02	1.04	1.66
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	20	2.02	1.04	1.66
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	20	2.02	1.04	1.66
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	20	1.97	0.82	1.45
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	20	1.97	0.82	1.45
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	20	1.94	0.93	1.59
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	20	1.88	0.51	1.91
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	20	1.81	0.05	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	20	1.81	0.05	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	20	1.81	0.05	1.82
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	20	1.78	0.18	1.82
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	20	1.73	0.73	1.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	20	1.69	0.76	1.65
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	20	1.69	0.76	1.65
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	20	1.68	0.19	1.7
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	20	1.66	0.18	1.69
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	20	1.62	0.3	1.64
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	20	1.62	0.3	1.64
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	20	1.62	0.3	1.64
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	20	1.62	0.31	1.5
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	20	1.62	0.31	1.5
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	20	1.61	0.73	1.59
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	20	1.61	0.18	1.65
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	20	1.61	0.18	1.65
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	20	1.6	0.49	1.86
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	20	1.59	0.26	1.54
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	20	1.58	0.15	1.58
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	20	1.58	0.15	1.58
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	20	1.55	0.58	1.6
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	20	1.55	0.58	1.6
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	20	1.48	0.51	1.25
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	20	1.46	0.66	1.5
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	20	1.46	0.66	1.5
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	20	1.45	0.2	1.37
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	20	1.45	0.2	1.37
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	20	1.44	0.3	1.4
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	20	1.44	0.3	1.4
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	20	1.43	0.63	1.17
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	20	1.43	0.63	1.17
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	20	1.42	0.52	1.6
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	20	1.41	0.58	1.64
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	20	1.41	0.07	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	20	1.41	0.07	1.43
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	20	1.4	0.44	1.16
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	20	1.4	0.44	1.16
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	20	1.4	0.44	1.16
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	20	1.35	0.26	1.4
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	20	1.35	0.26	1.4
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	20	1.35	0.26	1.4
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	20	1.34	0.21	1.36
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	20	1.32	0.43	1.44
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	20	1.29	0.1	1.28
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	20	1.29	0.37	1.33
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	20	1.28	0.32	1.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	20	1.28	0.32	1.35
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	20	1.28	0.32	1.35
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	20	1.28	0.32	1.35
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	20	1.26	0.06	1.25
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	20	1.26	0.06	1.25
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	20	1.26	0.06	1.25
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	20	1.24	0.43	1.17
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	20	1.22	0.14	1.23
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	20	1.22	0.14	1.23
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	20	1.17	0.46	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	20	1.17	0.46	1.54
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	20	1.16	0.35	1.18
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	20	1.16	0.35	1.18
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	20	1.16	0.35	1.18
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	20	1.16	0.35	1.18
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	20	1.16	0.35	1.18
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	20	1.16	0.35	1.18
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	20	1.15	0.12	1.12
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	20	1.15	0.12	1.12
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	20	1.15	0.12	1.12
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	20	1.15	0.12	1.12
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	20	1.15	0.12	1.12
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	20	1.15	0.12	1.12
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	20	1.13	0.24	1.11
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	20	1.12	0.19	1.08
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	20	1.12	0.19	1.08
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	20	1.11	0.04	1.12
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	20	1.11	0.04	1.12
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	20	1.11	0.04	1.12
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	20	1.11	0.39	1.04
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	20	1.1	0.19	1.08
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	20	1.1	0.34	1.2
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	20	1.1	0.34	1.2
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	20	1.1	0.34	1.2
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	20	1.08	0.3	1.12
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	20	1.08	0.3	1.12
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	20	1.07	0.18	1.12
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	20	1.07	0.18	1.12
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	20	1.07	0.18	1.12
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	20	1.06	0.16	1.06
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	20	1.06	0.16	1.06
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	20	1.06	0.16	1.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	20	1.06	0.05	1.05
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	20	1.06	0.05	1.05
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	20	1.06	0.05	1.05
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	20	1.04	0.24	1.12
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	20	1.04	0.24	1.12
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	20	1.04	0.24	1.12
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	20	1.01	0.1	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	20	1.01	0.1	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	20	1.01	0.1	1.05
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	20	1.01	0.27	0.9
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	20	1.01	0.27	0.9
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	20	1.01	0.27	0.9
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	20	0.99	0.22	1.0
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	20	0.99	0.22	1.0
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	20	0.99	0.22	1.0
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	20	0.98	0.05	0.98
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	20	0.97	0.29	0.94
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	20	0.97	0.29	0.94
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	20	0.96	0.06	0.96
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	20	0.96	0.06	0.96
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	20	0.96	0.06	0.96
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	20	0.96	0.06	0.96
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	20	0.96	0.06	0.96
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	20	0.96	0.06	0.96
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	20	0.96	0.33	0.86
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	20	0.96	0.33	0.86
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	20	0.96	0.33	0.86
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	20	0.96	0.08	0.94
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	20	0.95	0.07	0.94
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	20	0.95	0.07	0.94
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	20	0.95	0.46	0.78
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	20	0.95	0.17	0.94
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	20	0.95	0.17	0.94
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	20	0.92	0.09	0.95
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	20	0.92	0.09	0.95
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	20	0.92	0.08	0.9
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	20	0.92	0.08	0.9
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	20	0.92	0.08	0.9
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	20	0.92	0.22	0.92
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	20	0.92	0.22	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	20	0.9	0.09	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	20	0.9	0.09	0.94

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	20	0.9	0.09	0.94
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	20	0.87	0.21	0.83
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	20	0.87	0.21	0.83
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	20	0.87	0.21	0.83
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	20	0.87	0.21	0.83
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	20	0.87	0.16	0.85
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	20	0.87	0.16	0.85
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	20	0.87	0.16	0.85
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	20	0.86	0.46	0.71
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	20	0.86	0.12	0.84
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	20	0.85	0.03	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	20	0.85	0.03	0.85
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	20	0.84	0.24	0.93
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	20	0.84	0.24	0.93
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	20	0.84	0.24	0.93
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	20	0.84	0.24	0.93
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	20	0.83	0.22	0.82
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	20	0.83	0.19	0.87
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	20	0.83	0.19	0.87
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	20	0.8	0.23	0.81
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	20	0.79	0.28	0.78
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	20	0.79	0.28	0.78
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	20	0.77	0.2	0.74
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	20	0.77	0.15	0.76
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	20	0.77	0.15	0.76
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	20	0.77	0.15	0.76
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	20	0.77	0.15	0.76
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	20	0.77	0.15	0.76
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	20	0.77	0.15	0.76
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	20	0.76	0.25	0.77
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	20	0.76	0.25	0.77
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	20	0.76	0.25	0.77
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	20	0.76	0.25	0.77
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	20	0.76	0.25	0.77
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	20	0.76	0.25	0.77
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	20	0.76	0.28	0.66
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	20	0.76	0.28	0.66
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	20	0.76	0.28	0.66
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	20	0.76	0.28	0.66
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	20	0.76	0.28	0.66
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	20	0.76	0.28	0.66
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	20	0.75	0.08	0.72

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	20	0.75	0.07	0.74
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	20	0.75	0.07	0.74
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	20	0.75	0.07	0.74
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	20	0.74	0.16	0.78
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	20	0.73	0.14	0.69
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	20	0.72	0.13	0.69
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	20	0.72	0.13	0.69
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	20	0.72	0.13	0.69
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	20	0.72	0.13	0.69
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	20	0.72	0.13	0.69
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	20	0.72	0.13	0.69
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	20	0.72	0.14	0.76
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	20	0.71	0.27	0.7
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	20	0.71	0.27	0.7
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	20	0.7	0.3	0.66
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	20	0.7	0.3	0.66
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	20	0.7	0.05	0.72
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	20	0.7	0.05	0.72
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	20	0.7	0.05	0.72
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	20	0.69	0.07	0.68
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	20	0.69	0.17	0.64
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	20	0.69	0.17	0.64
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	20	0.69	0.17	0.64
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	20	0.66	0.25	0.64
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	20	0.66	0.25	0.64
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	20	0.66	0.25	0.64
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	20	0.66	0.18	0.6
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	20	0.66	0.18	0.6
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	20	0.66	0.18	0.6
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	20	0.66	0.08	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	20	0.66	0.08	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	20	0.66	0.08	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	20	0.66	0.08	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	20	0.66	0.08	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	20	0.66	0.08	0.67
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	20	0.65	0.16	0.63
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	20	0.65	0.16	0.63
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	20	0.65	0.16	0.63
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	20	0.65	0.21	0.64
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	20	0.65	0.21	0.64
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	20	0.65	0.21	0.64
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	20	0.65	0.11	0.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	20	0.65	0.11	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	20	0.65	0.11	0.62
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	20	0.64	0.01	0.64
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	20	0.63	0.16	0.62
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	20	0.63	0.16	0.62
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	20	0.63	0.16	0.62
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	20	0.63	0.16	0.62
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	20	0.63	0.16	0.62
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	20	0.63	0.16	0.62
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	20	0.62	0.21	0.67
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	20	0.62	0.21	0.67
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	20	0.62	0.21	0.67
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	20	0.62	0.01	0.62
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	20	0.62	0.1	0.62
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	20	0.6	0.19	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	20	0.6	0.19	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	20	0.6	0.19	0.66
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	20	0.59	0.12	0.57
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	20	0.58	0.17	0.56
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	20	0.58	0.17	0.56
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	20	0.58	0.17	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	20	0.58	0.16	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	20	0.58	0.16	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	20	0.58	0.16	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	20	0.58	0.16	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	20	0.58	0.16	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	20	0.58	0.16	0.58
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	20	0.57	0.11	0.56
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	20	0.57	0.13	0.57
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	20	0.56	0.1	0.56
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	20	0.56	0.1	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	20	0.56	0.1	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	20	0.56	0.1	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	20	0.56	0.1	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	20	0.56	0.1	0.56
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	20	0.55	0.18	0.56
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	20	0.55	0.18	0.56
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	20	0.55	0.18	0.56
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	20	0.55	0.14	0.55
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	20	0.55	0.14	0.55
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	20	0.55	0.2	0.57
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	20	0.55	0.2	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	20	0.55	0.2	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	20	0.55	0.2	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	20	0.55	0.2	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	20	0.55	0.2	0.57
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	20	0.54	0.21	0.52
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	20	0.54	0.21	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	20	0.54	0.03	0.54
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	20	0.54	0.03	0.54
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	20	0.53	0.06	0.55
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	20	0.53	0.23	0.48
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	20	0.53	0.12	0.52
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	20	0.52	0.03	0.52
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	20	0.52	0.06	0.54
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	20	0.52	0.06	0.54
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	20	0.51	0.07	0.52
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	20	0.51	0.07	0.52
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	20	0.5	0.28	0.44
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	20	0.5	0.28	0.44
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	20	0.5	0.28	0.44
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	20	0.49	0.07	0.49
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	20	0.49	0.13	0.5
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	20	0.48	0.17	0.44
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	20	0.48	0.17	0.44
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	20	0.48	0.17	0.44
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	20	0.47	0.05	0.48
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	20	0.47	0.01	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	20	0.47	0.01	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	20	0.47	0.01	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	20	0.47	0.01	0.47
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	20	0.46	0.16	0.48
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	20	0.46	0.07	0.46
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	20	0.46	0.15	0.49
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	20	0.46	0.15	0.49
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	20	0.46	0.04	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	20	0.46	0.04	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	20	0.46	0.04	0.47
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	20	0.45	0.04	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	20	0.45	0.04	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	20	0.45	0.01	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	20	0.45	0.03	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	20	0.45	0.03	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	20	0.45	0.03	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	20	0.45	0.13	0.43
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	20	0.45	0.13	0.43
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	20	0.45	0.13	0.43
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	20	0.45	0.13	0.43
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	20	0.45	0.13	0.43
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	20	0.45	0.13	0.43
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	20	0.44	0.04	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	20	0.44	0.01	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	20	0.44	0.01	0.44
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	20	0.44	0.14	0.41
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	20	0.44	0.11	0.49
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	20	0.44	0.03	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	20	0.44	0.01	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	20	0.44	0.01	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	20	0.44	0.01	0.44
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	20	0.43	0.13	0.46
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	20	0.43	0.14	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	20	0.43	0.14	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	20	0.43	0.14	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	20	0.43	0.14	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	20	0.43	0.14	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	20	0.43	0.14	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	20	0.43	0.03	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	20	0.43	0.03	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	20	0.43	0.03	0.42
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	20	0.43	0.14	0.52
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	20	0.43	0.14	0.52
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	20	0.42	0.09	0.44
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	20	0.42	0.01	0.42
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	20	0.42	0.15	0.42
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	20	0.42	0.15	0.42
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	20	0.42	0.1	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	20	0.42	0.13	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	20	0.42	0.13	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	20	0.42	0.13	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	20	0.42	0.13	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	20	0.42	0.13	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	20	0.42	0.13	0.44
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	20	0.41	0.04	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	20	0.41	0.04	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	20	0.41	0.04	0.4
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	20	0.39	0.01	0.39
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	20	0.36	0.05	0.37
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	20	0.36	0.07	0.36
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	20	0.36	0.07	0.36
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	20	0.35	0.08	0.34
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	20	0.35	0.14	0.34
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	20	0.35	0.14	0.34
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	20	0.35	0.14	0.34
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	20	0.35	0.05	0.36
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	20	0.35	0.05	0.36
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	20	0.34	0.09	0.29
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	20	0.33	0.03	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	20	0.33	0.01	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	20	0.33	0.01	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	20	0.33	0.01	0.33
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	20	0.33	0.06	0.32
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	20	0.33	0.08	0.32
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	20	0.33	0.08	0.32
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	20	0.33	0.08	0.32
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	20	0.32	0.07	0.36
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	20	0.32	0.07	0.36
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	20	0.32	0.07	0.36
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	20	0.3	0.06	0.31
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	20	0.25	0.04	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	20	0.25	0.04	0.24
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	20	0.18	0.04	0.18
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	20	0.18	0.04	0.18
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	19	2.19	1.0	2.6
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	19	2.19	1.0	2.6
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	19	1.79	1.09	1.98
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	19	1.34	0.59	1.4
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	19	1.34	0.59	1.4
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	19	1.34	0.59	1.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	19	1.34	0.59	1.4
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	19	1.16	0.48	1.5
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	19	1.16	0.48	1.5
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	19	1.1	0.53	1.12
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	19	1.1	0.53	1.12
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	19	0.91	0.47	0.76
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	19	0.91	0.47	0.76
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	19	0.91	0.47	0.76
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	19	0.89	0.18	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	19	0.89	0.18	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	19	0.89	0.18	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	19	0.89	0.18	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	19	0.89	0.18	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	19	0.89	0.18	0.92
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	19	0.88	0.38	1.05
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	19	0.76	0.26	0.74
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	19	0.74	0.17	0.78
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	19	0.65	0.3	0.64
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	19	0.65	0.3	0.64
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	19	0.65	0.3	0.64
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	19	0.6	0.32	0.55
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	19	0.56	0.25	0.49
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	19	0.56	0.16	0.59
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	19	0.54	0.2	0.53
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	19	0.53	0.12	0.61
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	19	0.53	0.12	0.61
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	19	0.53	0.12	0.61
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	19	0.53	0.09	0.54
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	19	0.51	0.15	0.56
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	19	0.5	0.14	0.53
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	19	0.47	0.03	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	19	0.47	0.03	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	19	0.47	0.03	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	19	0.47	0.03	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	19	0.47	0.03	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	19	0.47	0.03	0.48
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	19	0.46	0.01	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	19	0.46	0.01	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	19	0.46	0.01	0.46
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	19	0.45	0.18	0.43
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	19	0.42	0.12	0.4
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	19	0.42	0.12	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	19	0.42	0.12	0.4
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	19	0.42	0.12	0.4
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	19	0.42	0.12	0.4
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	19	0.42	0.12	0.4
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	19	0.39	0.13	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	19	0.39	0.13	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	19	0.39	0.13	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	19	0.39	0.13	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	19	0.39	0.13	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	19	0.39	0.13	0.41
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	19	0.39	0.24	0.33
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	19	0.32	0.16	0.28
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	19	0.32	0.16	0.28
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	19	0.29	0.06	0.32
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	19	0.29	0.06	0.32
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	19	0.28	0.11	0.28
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	19	0.27	0.1	0.26
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	19	0.27	0.1	0.26
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	19	0.26	0.09	0.26
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	19	0.26	0.09	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	19	0.25	0.03	0.26
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	19	0.24	0.05	0.27
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	19	0.24	0.05	0.27
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	19	0.24	0.05	0.27
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	19	0.22	0.06	0.2
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	19	0.21	0.03	0.23
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	19	0.2	0.04	0.21
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	19	0.18	0.02	0.19
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	18	1.69	0.28	1.74
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	18	1.69	0.28	1.74
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	18	1.69	0.28	1.74
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	18	1.69	0.28	1.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	18	1.69	0.28	1.74
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	18	1.69	0.28	1.74
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	18	1.68	0.58	1.77
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	18	1.68	0.58	1.77
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	18	1.61	0.64	1.74
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	18	1.16	0.47	1.27
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	18	1.16	0.47	1.27
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	18	1.16	0.47	1.27
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	18	1.16	0.47	1.27
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	18	1.16	0.47	1.27
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	18	1.16	0.47	1.27
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	18	1.07	0.38	0.98
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	18	0.99	0.36	1.1
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	18	0.99	0.36	1.1
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	18	0.99	0.36	1.1
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	18	0.74	0.04	0.72
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	18	0.72	0.38	0.68
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	18	0.66	0.43	0.7
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	18	0.65	0.3	0.69
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	18	0.63	0.3	0.69
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	18	0.63	0.3	0.69
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	18	0.63	0.3	0.69
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	18	0.63	0.3	0.69
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	18	0.63	0.3	0.69
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	18	0.63	0.3	0.69
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	18	0.62	0.19	0.68
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	18	0.62	0.19	0.68
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	18	0.61	0.22	0.62
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	18	0.61	0.22	0.62
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	18	0.61	0.22	0.62
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	18	0.61	0.22	0.62
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	18	0.61	0.22	0.62
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	18	0.61	0.22	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	18	0.52	0.2	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	18	0.52	0.2	0.54
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	18	0.52	0.2	0.54
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	18	0.52	0.16	0.48
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	18	0.52	0.16	0.48
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	18	0.52	0.16	0.48
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	18	0.51	0.11	0.5
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	18	0.49	0.04	0.49
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	18	0.48	0.26	0.5
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	18	0.48	0.26	0.5
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	18	0.47	0.13	0.47
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	18	0.47	0.21	0.44
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	18	0.47	0.21	0.44
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	18	0.47	0.24	0.52
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	18	0.47	0.24	0.52
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	18	0.47	0.24	0.52
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	18	0.46	0.05	0.48
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	18	0.46	0.2	0.52
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	18	0.46	0.2	0.52
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	18	0.46	0.2	0.52
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	18	0.45	0.1	0.44
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	18	0.45	0.1	0.44
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	18	0.45	0.1	0.44
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	18	0.45	0.07	0.48
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	18	0.45	0.07	0.48
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	18	0.45	0.07	0.48
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	18	0.43	0.2	0.51
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	18	0.43	0.2	0.51
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	18	0.42	0.21	0.34
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	18	0.42	0.21	0.34
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	18	0.4	0.13	0.45
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	18	0.4	0.1	0.39
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	18	0.39	0.05	0.41
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	18	0.35	0.12	0.38
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	18	0.35	0.12	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	18	0.35	0.12	0.38
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	18	0.35	0.12	0.38
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	18	0.35	0.12	0.38
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	18	0.35	0.12	0.38
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	18	0.3	0.23	0.26
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	18	0.25	0.0	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	18	0.25	0.0	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	18	0.25	0.0	0.25
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	18	0.24	0.05	0.24
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	18	0.22	0.06	0.22
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	17	1.99	0.78	2.25
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	17	1.32	0.19	1.39
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	17	1.32	0.19	1.39
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	17	1.32	0.19	1.39
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	17	1.21	0.52	1.37
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	17	0.95	0.26	0.99
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	17	0.81	0.36	0.74
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	17	0.81	0.36	0.74
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	17	0.81	0.36	0.74
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	17	0.81	0.36	0.74
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	17	0.78	0.4	0.59
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	17	0.78	0.4	0.59
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	17	0.78	0.4	0.59
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	17	0.61	0.28	0.56
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	17	0.59	0.29	0.48
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	17	0.59	0.29	0.48
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	17	0.58	0.18	0.55
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	17	0.58	0.18	0.55
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	17	0.56	0.05	0.56
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	17	0.53	0.3	0.48
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	17	0.51	0.21	0.48
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	17	0.51	0.21	0.48
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	17	0.51	0.21	0.48
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	17	0.48	0.23	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	17	0.46	0.14	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	17	0.46	0.14	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	17	0.46	0.14	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	17	0.46	0.14	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	17	0.46	0.14	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	17	0.46	0.14	0.48
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	17	0.45	0.18	0.43
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	17	0.45	0.18	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	17	0.44	0.16	0.42
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	17	0.44	0.16	0.42
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	17	0.44	0.18	0.49
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	17	0.44	0.18	0.49
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	17	0.44	0.18	0.49
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	17	0.44	0.18	0.49
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	17	0.44	0.18	0.49
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	17	0.44	0.18	0.49
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	17	0.4	0.2	0.34
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	17	0.38	0.16	0.37
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	17	0.37	0.19	0.34
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	17	0.37	0.19	0.34
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	17	0.37	0.15	0.34
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	17	0.36	0.01	0.36
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	17	0.31	0.18	0.22
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	17	0.28	0.11	0.26
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	17	0.28	0.05	0.28
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	17	0.24	0.09	0.26
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	17	0.24	0.09	0.26
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	17	0.24	0.09	0.26
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	17	0.24	0.08	0.21
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	17	0.21	0.01	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	17	0.21	0.01	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	17	0.21	0.01	0.22
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	17	0.18	0.06	0.18
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	17	0.18	0.06	0.18
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	17	0.18	0.06	0.18
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	17	0.15	0.03	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	17	0.15	0.03	0.14
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	16	1.13	0.91	0.72
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	16	1.13	0.91	0.72
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	16	1.04	0.52	1.33
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	16	1.02	0.52	0.85
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	16	1.02	0.52	0.85
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	16	0.96	0.62	0.69
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	16	0.92	0.67	0.67
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	16	0.92	0.67	0.67
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	16	0.87	0.3	0.74
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	16	0.87	0.3	0.74
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	16	0.87	0.3	0.74
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	16	0.87	0.3	0.74
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	16	0.87	0.3	0.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	16	0.87	0.3	0.74
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	16	0.8	0.44	0.72
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	16	0.75	0.38	0.71
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	16	0.75	0.38	0.71
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	16	0.72	0.16	0.78
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	16	0.71	0.36	0.68
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	16	0.69	0.19	0.66
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	16	0.64	0.38	0.74
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	16	0.64	0.38	0.74
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	16	0.64	0.38	0.74
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	16	0.64	0.38	0.74
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	16	0.64	0.38	0.74
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	16	0.64	0.38	0.74
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	16	0.62	0.38	0.49
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	16	0.47	0.17	0.47
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	16	0.47	0.17	0.47
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	16	0.47	0.17	0.47
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	16	0.47	0.17	0.47
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	16	0.47	0.17	0.47
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	16	0.47	0.17	0.47
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	16	0.47	0.09	0.48
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	16	0.41	0.16	0.38
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	16	0.41	0.16	0.38
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	16	0.41	0.2	0.38
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	16	0.41	0.2	0.38
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	16	0.41	0.2	0.38
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	16	0.41	0.2	0.38
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	16	0.41	0.2	0.38
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	16	0.41	0.2	0.38
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	16	0.35	0.12	0.36
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	16	0.35	0.12	0.36
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	16	0.35	0.12	0.36
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	16	0.32	0.13	0.31
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	16	0.32	0.13	0.31
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	16	0.32	0.13	0.31
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	16	0.32	0.13	0.31
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	16	0.32	0.13	0.31
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	16	0.32	0.13	0.31
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	16	0.31	0.14	0.32
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	16	0.3	0.08	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	16	0.3	0.08	0.35
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	16	0.29	0.09	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	16	0.29	0.09	0.3
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	16	0.29	0.09	0.3
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	16	0.29	0.09	0.3
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	16	0.29	0.09	0.3
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	16	0.29	0.09	0.3
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	16	0.28	0.13	0.28
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	16	0.28	0.13	0.28
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	16	0.28	0.13	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	16	0.26	0.02	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	16	0.26	0.02	0.27
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	16	0.23	0.07	0.22
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	16	0.23	0.07	0.22
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	16	0.23	0.07	0.22
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	16	0.23	0.07	0.22
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	16	0.23	0.07	0.22
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	16	0.23	0.07	0.22
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	16	0.2	0.05	0.22
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	16	0.2	0.07	0.19
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	16	0.19	0.05	0.18
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	16	0.17	0.04	0.16
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	16	0.16	0.03	0.16
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	16	0.16	0.03	0.16
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	16	0.16	0.03	0.16
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	15	1.28	0.4	1.16
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	15	1.19	0.7	1.12
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	15	1.19	0.7	1.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	15	0.84	0.26	0.89
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	15	0.84	0.26	0.89
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	15	0.78	0.11	0.79
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	15	0.78	0.11	0.79
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	15	0.65	0.22	0.76
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	15	0.65	0.22	0.76
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	15	0.64	0.45	0.39
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	15	0.63	0.4	0.54
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	15	0.63	0.4	0.54
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	15	0.63	0.4	0.54
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	15	0.59	0.18	0.68
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	15	0.59	0.18	0.68
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	15	0.59	0.19	0.59
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	15	0.59	0.19	0.59
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	15	0.59	0.19	0.59
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	15	0.57	0.04	0.57
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	15	0.55	0.3	0.66
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	15	0.53	0.29	0.51
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	15	0.53	0.29	0.51
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	15	0.53	0.29	0.51
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	15	0.53	0.29	0.51
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	15	0.53	0.29	0.51
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	15	0.53	0.29	0.51
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	15	0.47	0.22	0.53
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	15	0.47	0.22	0.53
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	15	0.47	0.22	0.53
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	15	0.45	0.11	0.48
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	15	0.38	0.1	0.37
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	15	0.38	0.1	0.37
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	15	0.38	0.1	0.37
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	15	0.26	0.09	0.25
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	15	0.26	0.09	0.25
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	15	0.26	0.09	0.25
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	15	0.26	0.09	0.25
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	15	0.26	0.09	0.25
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	15	0.26	0.09	0.25
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	15	0.23	0.06	0.25
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	15	0.22	0.09	0.24
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	15	0.19	0.07	0.17
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	15	0.18	0.04	0.18
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	15	0.18	0.05	0.18
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	15	0.18	0.05	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	14	1.07	0.64	1.1
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	14	0.99	0.5	1.0
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	14	0.76	0.21	0.83
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	14	0.76	0.21	0.83
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	14	0.62	0.18	0.7
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	14	0.62	0.18	0.7
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	14	0.53	0.18	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	14	0.53	0.18	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	14	0.53	0.18	0.61
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	14	0.52	0.24	0.5
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	14	0.52	0.24	0.5
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	14	0.45	0.23	0.4
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	14	0.45	0.23	0.4
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	14	0.45	0.23	0.4
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	14	0.43	0.16	0.45
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	14	0.43	0.16	0.45
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	14	0.42	0.16	0.32
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	14	0.42	0.16	0.32
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	14	0.4	0.01	0.4
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	14	0.4	0.27	0.28
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	14	0.38	0.1	0.4
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	14	0.38	0.1	0.4
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	14	0.37	0.21	0.32
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	14	0.34	0.1	0.33
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	14	0.34	0.1	0.33
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	14	0.34	0.1	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	14	0.34	0.15	0.35
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	14	0.34	0.15	0.35
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	14	0.34	0.15	0.35
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	14	0.34	0.15	0.35
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	14	0.34	0.15	0.35
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	14	0.34	0.15	0.35
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	14	0.31	0.12	0.29
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	14	0.31	0.12	0.29
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	14	0.29	0.1	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	14	0.29	0.1	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	14	0.29	0.1	0.31
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	14	0.29	0.08	0.33
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	14	0.25	0.12	0.2
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	14	0.25	0.12	0.2
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	14	0.24	0.11	0.23
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	14	0.2	0.07	0.2
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	14	0.2	0.07	0.2
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	14	0.16	0.01	0.17
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	14	0.16	0.04	0.15
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	14	0.16	0.04	0.15
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	14	0.16	0.04	0.15
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	13	0.88	0.61	0.58
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	13	0.6	0.43	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	13	0.6	0.43	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	13	0.6	0.43	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	13	0.6	0.43	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	13	0.6	0.43	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	13	0.6	0.43	0.5
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	13	0.57	0.49	0.3
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	13	0.57	0.49	0.3
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	13	0.55	0.29	0.44
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	13	0.55	0.29	0.44
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	13	0.52	0.15	0.59
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	13	0.52	0.15	0.59
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	13	0.52	0.15	0.59
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	13	0.52	0.15	0.59
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	13	0.52	0.21	0.53
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	13	0.52	0.21	0.53
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	13	0.52	0.21	0.53
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	13	0.52	0.21	0.53
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	13	0.45	0.23	0.41
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	13	0.45	0.23	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	13	0.43	0.2	0.43
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	13	0.42	0.14	0.38
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	13	0.42	0.14	0.38
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	13	0.42	0.14	0.38
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	13	0.39	0.06	0.38
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	13	0.38	0.08	0.4
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	13	0.33	0.18	0.29
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	13	0.33	0.18	0.29
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	13	0.33	0.18	0.29
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	13	0.3	0.12	0.29
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	13	0.3	0.12	0.29
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	13	0.3	0.12	0.29
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	13	0.3	0.12	0.29
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	13	0.3	0.12	0.29
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	13	0.3	0.12	0.29
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	13	0.29	0.12	0.29
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	13	0.27	0.06	0.3
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	13	0.27	0.09	0.23
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	13	0.26	0.1	0.22
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	13	0.22	0.11	0.21
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	13	0.2	0.08	0.17
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	13	0.2	0.08	0.17
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	13	0.19	0.06	0.19
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	13	0.19	0.06	0.19
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	13	0.19	0.06	0.19
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	13	0.17	0.02	0.17
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	13	0.17	0.06	0.15
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	13	0.14	0.03	0.13
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	13	0.1	0.0	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	13	0.1	0.0	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	13	0.1	0.0	0.1
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	12	1.59	0.29	1.5
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	12	1.45	0.4	1.56
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	12	0.89	0.43	0.94
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	12	0.89	0.43	0.94
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	12	0.89	0.43	0.94
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	12	0.89	0.43	0.94
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	12	0.88	0.42	0.92
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	12	0.88	0.42	0.92
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	12	0.88	0.42	0.92
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	12	0.88	0.42	0.92
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	12	0.88	0.42	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	12	0.88	0.42	0.92
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	12	0.82	0.21	0.88
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	12	0.82	0.21	0.88
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	12	0.81	0.17	0.86
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	12	0.81	0.17	0.86
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	12	0.75	0.34	0.86
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	12	0.69	0.54	0.66
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	12	0.56	0.27	0.54
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	12	0.56	0.27	0.54
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	12	0.51	0.13	0.54
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	12	0.51	0.13	0.54
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	12	0.51	0.13	0.54
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	12	0.51	0.13	0.54
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	12	0.51	0.13	0.54
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	12	0.51	0.13	0.54
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	12	0.5	0.14	0.51
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	12	0.5	0.14	0.51
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	12	0.47	0.13	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	12	0.47	0.13	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	12	0.47	0.13	0.55
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	12	0.47	0.18	0.47
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	12	0.45	0.12	0.52
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	12	0.44	0.35	0.3
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	12	0.42	0.02	0.42
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	12	0.42	0.19	0.42
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	12	0.4	0.25	0.32
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	12	0.37	0.07	0.4
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	12	0.34	0.12	0.4
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	12	0.34	0.12	0.4
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	12	0.34	0.18	0.3
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	12	0.34	0.18	0.3
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	12	0.33	0.05	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	12	0.32	0.1	0.38
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	12	0.3	0.11	0.26
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	12	0.29	0.12	0.3
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	12	0.29	0.12	0.3
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	12	0.29	0.12	0.3
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	12	0.28	0.11	0.26
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	12	0.28	0.11	0.26
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	12	0.27	0.05	0.3
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	12	0.25	0.05	0.27
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	12	0.25	0.05	0.27
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	12	0.25	0.05	0.27
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	12	0.24	0.1	0.27
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	12	0.24	0.1	0.27
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	12	0.24	0.1	0.27
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	12	0.24	0.11	0.21
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	12	0.22	0.08	0.22
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	12	0.2	0.08	0.18
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	12	0.19	0.04	0.19
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	12	0.19	0.04	0.19
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	12	0.19	0.04	0.19
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	12	0.13	0.02	0.12
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	11	0.93	0.04	0.93
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	11	0.77	0.16	0.73
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	11	0.77	0.16	0.73
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	11	0.77	0.16	0.73
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	11	0.65	0.27	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	11	0.65	0.27	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	11	0.65	0.27	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	11	0.65	0.27	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	11	0.65	0.27	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	11	0.65	0.27	0.62
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	11	0.57	0.41	0.48
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	11	0.57	0.41	0.48
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	11	0.54	0.41	0.37
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	11	0.54	0.41	0.37
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	11	0.53	0.22	0.61
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	11	0.53	0.22	0.61
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	11	0.53	0.22	0.61
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	11	0.53	0.22	0.61
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	11	0.49	0.2	0.41
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	11	0.48	0.04	0.48
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	11	0.48	0.04	0.48

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	11	0.46	0.27	0.31
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	11	0.46	0.27	0.31
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	11	0.46	0.27	0.31
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	11	0.44	0.2	0.45
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	11	0.44	0.2	0.45
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	11	0.44	0.2	0.45
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	11	0.44	0.2	0.45
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	11	0.44	0.2	0.45
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	11	0.44	0.2	0.45
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	11	0.37	0.11	0.4
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	11	0.37	0.11	0.4
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	11	0.37	0.11	0.4
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	11	0.35	0.14	0.35
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	11	0.35	0.14	0.35
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	11	0.34	0.17	0.37
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	11	0.34	0.15	0.33
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	11	0.34	0.15	0.33
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	11	0.34	0.1	0.34
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	11	0.34	0.17	0.34
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	11	0.33	0.24	0.23
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	11	0.33	0.24	0.23
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	11	0.31	0.11	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	11	0.31	0.11	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	11	0.31	0.11	0.35
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	11	0.3	0.07	0.31
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	11	0.3	0.07	0.31
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	11	0.3	0.12	0.34
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	11	0.3	0.12	0.34
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	11	0.3	0.12	0.34
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	11	0.3	0.14	0.31
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	11	0.3	0.16	0.24
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	11	0.3	0.16	0.24
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	11	0.3	0.16	0.24
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	11	0.29	0.1	0.29
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	11	0.26	0.02	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	11	0.26	0.02	0.25
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	11	0.25	0.09	0.23
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	11	0.25	0.09	0.23
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	11	0.25	0.07	0.26
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	11	0.21	0.07	0.19
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	11	0.2	0.05	0.2
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	11	0.13	0.03	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	11	0.13	0.03	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	11	0.13	0.03	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	11	0.13	0.03	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	11	0.13	0.03	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	11	0.13	0.03	0.12
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	10	0.58	0.21	0.54
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	10	0.58	0.22	0.65
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	10	0.54	0.34	0.55
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	10	0.54	0.34	0.55
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	10	0.52	0.53	0.37
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	10	0.52	0.53	0.37
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	10	0.5	0.08	0.48
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	10	0.5	0.08	0.48
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	10	0.47	0.23	0.43
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	10	0.47	0.23	0.43
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	10	0.45	0.13	0.44
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	10	0.45	0.13	0.44
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	10	0.35	0.2	0.35
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	10	0.35	0.2	0.35
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	10	0.34	0.15	0.3
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	10	0.34	0.15	0.3
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	10	0.32	0.19	0.27
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	10	0.32	0.19	0.27
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	10	0.32	0.25	0.24
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	10	0.32	0.25	0.24
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	10	0.32	0.25	0.24
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	10	0.29	0.11	0.3
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	10	0.29	0.15	0.23
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	10	0.29	0.15	0.23
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	10	0.29	0.11	0.26
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	10	0.29	0.11	0.26
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	10	0.29	0.11	0.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	10	0.29	0.11	0.26
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	10	0.29	0.11	0.26
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	10	0.29	0.11	0.26
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	10	0.28	0.1	0.3
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	10	0.28	0.25	0.16
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	10	0.28	0.25	0.16
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	10	0.28	0.25	0.16
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	10	0.28	0.25	0.16
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	10	0.28	0.25	0.16
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	10	0.28	0.25	0.16
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	10	0.27	0.13	0.26
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	10	0.27	0.13	0.26
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	10	0.26	0.09	0.24
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	10	0.26	0.09	0.24
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	10	0.26	0.09	0.24
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	10	0.26	0.05	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	10	0.26	0.05	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	10	0.26	0.05	0.29
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	10	0.26	0.12	0.25
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	10	0.26	0.08	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	10	0.26	0.08	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	10	0.26	0.08	0.26
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	10	0.25	0.1	0.24
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	10	0.25	0.09	0.22
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	10	0.24	0.07	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	10	0.24	0.07	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	10	0.24	0.07	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	10	0.24	0.07	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	10	0.24	0.07	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	10	0.24	0.07	0.28
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	10	0.2	0.05	0.19
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	10	0.17	0.04	0.16
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	10	0.17	0.05	0.15
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	10	0.17	0.05	0.15
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	10	0.16	0.07	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	10	0.16	0.07	0.13
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	10	0.16	0.07	0.13
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	10	0.16	0.04	0.16
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	10	0.15	0.03	0.15
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	9	1.47	0.76	1.34
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	9	1.47	0.76	1.34
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	9	1.47	0.76	1.34
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	9	1.47	0.76	1.34
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	9	1.47	0.76	1.34
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	9	1.47	0.76	1.34
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	9	1.44	0.35	1.41
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	9	1.44	0.35	1.41
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	9	1.2	0.22	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	9	1.2	0.22	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	9	1.2	0.22	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	9	1.2	0.22	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	9	1.2	0.22	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	9	1.2	0.22	1.18
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	9	1.12	0.16	1.09
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	9	1.12	0.16	1.09
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	9	1.12	0.56	1.39
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	9	0.76	0.27	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	9	0.76	0.27	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	9	0.76	0.27	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	9	0.76	0.27	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	9	0.76	0.27	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	9	0.76	0.27	0.76
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	9	0.68	0.17	0.63
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	9	0.68	0.17	0.63
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	9	0.66	0.19	0.65
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	9	0.66	0.19	0.65
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	9	0.54	0.18	0.51
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	9	0.54	0.18	0.51
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	9	0.52	0.08	0.52
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	9	0.52	0.08	0.52
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	9	0.47	0.18	0.44
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	9	0.47	0.18	0.44
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	9	0.47	0.18	0.44
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	9	0.47	0.18	0.44
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	9	0.47	0.18	0.44
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	9	0.47	0.18	0.44
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	9	0.44	0.16	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	9	0.39	0.15	0.32
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	9	0.39	0.15	0.32
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	9	0.37	0.17	0.38
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	9	0.37	0.17	0.38
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	9	0.37	0.17	0.38
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	9	0.36	0.12	0.39
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	9	0.36	0.09	0.39
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	9	0.36	0.09	0.39
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	9	0.36	0.09	0.39
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	9	0.36	0.09	0.39
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	9	0.34	0.11	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	9	0.34	0.11	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	9	0.34	0.11	0.34
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	9	0.34	0.11	0.36
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	9	0.33	0.1	0.35
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	9	0.32	0.13	0.32
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	9	0.31	0.12	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	9	0.31	0.12	0.28
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	9	0.31	0.13	0.31
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	9	0.31	0.13	0.31
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	9	0.31	0.13	0.31
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	9	0.31	0.13	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	9	0.31	0.13	0.31
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	9	0.31	0.13	0.31
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	9	0.29	0.13	0.33
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	9	0.29	0.13	0.33
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	9	0.29	0.13	0.33
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	9	0.29	0.13	0.33
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	9	0.28	0.11	0.28
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	9	0.26	0.13	0.24
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	9	0.25	0.07	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	9	0.25	0.07	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	9	0.25	0.07	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	9	0.25	0.07	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	9	0.25	0.07	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	9	0.25	0.07	0.29
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	9	0.24	0.18	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	9	0.24	0.18	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	9	0.24	0.18	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	9	0.24	0.18	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	9	0.24	0.18	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	9	0.24	0.18	0.16
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	9	0.24	0.11	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	9	0.24	0.11	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	9	0.24	0.11	0.23
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	9	0.24	0.11	0.16
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	9	0.24	0.11	0.16
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	9	0.23	0.03	0.23
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	9	0.23	0.14	0.19
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	9	0.23	0.07	0.22
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	9	0.21	0.06	0.2
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	9	0.2	0.08	0.16
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	9	0.2	0.08	0.16
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	9	0.19	0.09	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	9	0.19	0.09	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	9	0.19	0.09	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	9	0.19	0.09	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	9	0.19	0.09	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	9	0.19	0.09	0.15
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	9	0.18	0.09	0.14
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	9	0.18	0.09	0.14
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	9	0.18	0.09	0.14
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	9	0.18	0.09	0.14
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	9	0.18	0.09	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	9	0.18	0.09	0.14
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	9	0.17	0.06	0.18
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	9	0.17	0.04	0.18
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	9	0.17	0.05	0.16
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	9	0.17	0.05	0.16
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	9	0.17	0.05	0.16
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	9	0.14	0.02	0.14
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	9	0.11	0.0	0.11
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	8	0.99	0.12	1.04
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	8	0.99	0.12	1.04
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	8	0.96	0.08	0.99
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	8	0.75	0.05	0.76
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	8	0.72	0.25	0.71
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	8	0.72	0.25	0.71
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	8	0.72	0.37	0.87
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	8	0.72	0.37	0.87
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	8	0.63	0.29	0.71
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	8	0.63	0.29	0.71
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	8	0.57	0.06	0.58
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	8	0.57	0.06	0.58
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	8	0.56	0.14	0.62
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	8	0.56	0.14	0.62
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	8	0.56	0.14	0.62
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	8	0.56	0.14	0.62
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	8	0.56	0.14	0.62
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	8	0.56	0.14	0.62
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	8	0.53	0.14	0.54
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	8	0.53	0.14	0.54
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	8	0.53	0.33	0.45
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	8	0.53	0.33	0.45
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	8	0.53	0.33	0.45
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	8	0.46	0.37	0.28
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	8	0.46	0.37	0.28
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	8	0.45	0.1	0.48
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	8	0.45	0.1	0.48
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	8	0.44	0.17	0.49
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	8	0.44	0.17	0.49
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	8	0.42	0.23	0.44
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	8	0.42	0.23	0.44
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	8	0.42	0.23	0.44
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	8	0.4	0.08	0.43
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	8	0.4	0.08	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	8	0.4	0.2	0.42
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	8	0.4	0.2	0.42
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	8	0.38	0.25	0.31
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	8	0.37	0.05	0.38
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	8	0.35	0.26	0.24
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	8	0.35	0.26	0.24
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	8	0.35	0.26	0.24
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	8	0.35	0.26	0.24
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	8	0.35	0.26	0.24
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	8	0.35	0.26	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	8	0.33	0.14	0.32
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	8	0.33	0.14	0.32
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	8	0.33	0.14	0.32
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	8	0.33	0.14	0.32
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	8	0.33	0.14	0.32
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	8	0.33	0.14	0.32
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	8	0.33	0.16	0.27
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	8	0.31	0.22	0.22
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	8	0.31	0.22	0.22
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	8	0.3	0.09	0.32
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	8	0.3	0.17	0.28
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	8	0.3	0.11	0.28
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	8	0.29	0.16	0.22
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	8	0.29	0.11	0.29
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	8	0.29	0.11	0.29
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	8	0.28	0.13	0.26
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	8	0.28	0.13	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	8	0.27	0.14	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	8	0.27	0.14	0.25
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	8	0.27	0.14	0.25
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	8	0.25	0.09	0.25
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	8	0.25	0.07	0.25
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	8	0.25	0.07	0.25
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	8	0.24	0.08	0.24
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	8	0.24	0.08	0.24
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	8	0.24	0.04	0.24
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	8	0.23	0.11	0.2
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	8	0.23	0.11	0.2
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	8	0.23	0.11	0.2
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	8	0.23	0.11	0.2
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	8	0.23	0.11	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	8	0.23	0.11	0.2
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	8	0.22	0.11	0.19
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	8	0.22	0.11	0.19
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	8	0.22	0.09	0.18
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	8	0.22	0.09	0.18
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	8	0.2	0.08	0.18
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	8	0.2	0.04	0.2
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	8	0.2	0.04	0.2
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	8	0.2	0.06	0.2
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	8	0.2	0.06	0.2
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	8	0.16	0.03	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	8	0.16	0.03	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	8	0.16	0.03	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	8	0.16	0.03	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	8	0.16	0.03	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	8	0.16	0.03	0.15
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	8	0.16	0.04	0.15
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	8	0.16	0.04	0.15
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	8	0.16	0.04	0.15
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	8	0.14	0.02	0.15
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	8	0.13	0.02	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	8	0.13	0.02	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	8	0.13	0.02	0.12
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	7	1.24	0.7	1.1
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	7	1.24	0.7	1.1
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	7	1.16	0.08	1.13
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	7	1.16	0.08	1.13
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	7	0.88	0.35	0.94
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	7	0.88	0.35	0.94
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	7	0.67	0.48	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	7	0.67	0.48	0.45
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	7	0.59	0.19	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	7	0.53	0.1	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	7	0.53	0.1	0.54
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	7	0.49	0.04	0.51
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	7	0.48	0.29	0.36
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	7	0.48	0.29	0.36
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	7	0.37	0.25	0.28
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	7	0.35	0.09	0.37
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	7	0.35	0.09	0.37
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	7	0.35	0.09	0.37
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	7	0.35	0.09	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	7	0.35	0.09	0.37
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	7	0.35	0.09	0.37
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	7	0.35	0.25	0.22
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	7	0.35	0.25	0.22
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	7	0.34	0.22	0.18
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	7	0.34	0.22	0.18
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	7	0.34	0.22	0.18
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	7	0.34	0.22	0.18
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	7	0.34	0.22	0.18
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	7	0.34	0.22	0.18
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	7	0.31	0.19	0.18
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	7	0.29	0.06	0.28
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	7	0.28	0.11	0.28
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	7	0.28	0.11	0.28
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	7	0.28	0.11	0.28
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	7	0.28	0.04	0.28
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	7	0.28	0.04	0.28
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	7	0.28	0.17	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	7	0.28	0.17	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	7	0.28	0.17	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	7	0.28	0.17	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	7	0.28	0.17	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	7	0.28	0.17	0.18
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	7	0.27	0.09	0.24
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	7	0.27	0.09	0.24
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	7	0.27	0.09	0.24
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	7	0.27	0.23	0.14
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	7	0.27	0.23	0.14
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	7	0.27	0.23	0.14
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	7	0.24	0.07	0.22
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	7	0.23	0.04	0.23
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	7	0.22	0.11	0.2
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	7	0.22	0.09	0.2
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	7	0.22	0.09	0.2
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	7	0.22	0.09	0.2
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	7	0.22	0.09	0.2
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	7	0.22	0.09	0.2
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	7	0.22	0.09	0.2
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	7	0.22	0.05	0.23
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	7	0.22	0.07	0.24
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	7	0.22	0.07	0.24
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	7	0.22	0.07	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	7	0.2	0.12	0.17
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	7	0.2	0.12	0.17
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	7	0.2	0.08	0.2
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	7	0.2	0.08	0.2
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	7	0.2	0.04	0.21
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	7	0.2	0.06	0.23
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	7	0.2	0.06	0.23
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	7	0.19	0.06	0.16
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	7	0.19	0.06	0.16
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	7	0.18	0.07	0.12
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	7	0.18	0.03	0.18
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	7	0.17	0.05	0.18
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	7	0.17	0.05	0.18
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	7	0.17	0.04	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	7	0.16	0.01	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	7	0.16	0.01	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	7	0.16	0.01	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	7	0.16	0.01	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	7	0.16	0.01	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	7	0.16	0.01	0.16
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	7	0.15	0.0	0.15
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	7	0.14	0.04	0.13
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	7	0.13	0.01	0.13
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	7	0.13	0.01	0.13
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	7	0.13	0.01	0.13
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	6	0.98	0.03	0.97
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	6	0.81	0.25	0.79
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	6	0.81	0.25	0.79
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	6	0.81	0.25	0.79
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	6	0.81	0.25	0.79
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	6	0.81	0.25	0.79
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	6	0.81	0.25	0.79

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	6	0.7	0.0	0.7
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	6	0.61	0.08	0.66
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	6	0.58	0.34	0.52
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	6	0.58	0.34	0.52
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	6	0.58	0.34	0.52
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	6	0.51	0.06	0.52
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	6	0.51	0.06	0.52
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	6	0.5	0.31	0.5
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	6	0.49	0.17	0.54
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	6	0.49	0.17	0.54
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	6	0.44	0.3	0.32
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	6	0.44	0.3	0.32
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	6	0.43	0.04	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	6	0.43	0.04	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	6	0.43	0.04	0.46
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	6	0.42	0.14	0.48
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	6	0.42	0.14	0.48
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	6	0.41	0.17	0.35
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	6	0.4	0.22	0.4
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	6	0.4	0.22	0.4
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	6	0.37	0.14	0.42
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	6	0.37	0.14	0.42
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	6	0.37	0.14	0.42
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	6	0.36	0.24	0.25
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	6	0.36	0.12	0.38
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	6	0.36	0.12	0.38
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	6	0.36	0.12	0.38
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	6	0.36	0.12	0.38
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	6	0.35	0.14	0.38
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	6	0.35	0.22	0.26
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	6	0.34	0.07	0.36
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	6	0.34	0.07	0.36
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	6	0.31	0.1	0.38
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	6	0.31	0.07	0.34
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	6	0.3	0.17	0.24
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	6	0.29	0.13	0.28
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	6	0.29	0.13	0.28
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	6	0.29	0.13	0.28
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	6	0.29	0.13	0.28
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	6	0.29	0.13	0.28
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	6	0.29	0.13	0.28
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	6	0.28	0.07	0.3
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	6	0.27	0.09	0.27
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	6	0.27	0.09	0.27
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	6	0.27	0.09	0.27
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	6	0.27	0.09	0.27
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	6	0.27	0.09	0.27
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	6	0.27	0.09	0.27
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	6	0.24	0.07	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	6	0.24	0.07	0.23
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	6	0.24	0.07	0.23
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	6	0.24	0.09	0.25
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	6	0.24	0.09	0.25
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	6	0.24	0.09	0.25
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	6	0.23	0.02	0.23
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	6	0.23	0.07	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	6	0.23	0.03	0.24
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	6	0.23	0.03	0.24
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	6	0.23	0.03	0.24
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	6	0.23	0.03	0.24
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	6	0.22	0.09	0.22
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	6	0.21	0.05	0.22
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	6	0.21	0.11	0.16
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	6	0.2	0.05	0.2
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	6	0.2	0.05	0.2
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	6	0.2	0.05	0.2
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	6	0.2	0.04	0.2
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	6	0.2	0.04	0.2
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	6	0.2	0.04	0.2
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	6	0.2	0.04	0.2
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	6	0.2	0.04	0.2
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	6	0.2	0.04	0.2
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	6	0.18	0.11	0.14
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	6	0.18	0.11	0.14
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	6	0.18	0.03	0.18
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	6	0.18	0.07	0.16
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	6	0.18	0.07	0.16
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	6	0.18	0.07	0.16
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	6	0.18	0.07	0.16
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	6	0.18	0.07	0.16
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	6	0.18	0.07	0.16
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	6	0.17	0.07	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	6	0.17	0.07	0.14
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	6	0.17	0.07	0.14
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	6	0.15	0.02	0.16
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	6	0.14	0.03	0.13
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	6	0.14	0.03	0.13
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	6	0.14	0.03	0.13
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	6	0.14	0.02	0.13
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	6	0.14	0.04	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	6	0.14	0.04	0.12
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	6	0.13	0.02	0.12
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	6	0.12	0.01	0.12
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	6	0.12	0.01	0.12
(1,3123)	1:119:A:ASP:HB2	1:147:A:LYS:HB3	5	1.11	0.54	1.32
(1,3123)	1:119:A:ASP:HB3	1:147:A:LYS:HB3	5	1.11	0.54	1.32
(1,1974)	1:42:A:LYS:HG2	1:43:A:GLN:HA	5	0.86	0.19	0.79
(1,1974)	1:42:A:LYS:HG3	1:43:A:GLN:HA	5	0.86	0.19	0.79
(1,3125)	1:58:A:THR:HG21	1:68:A:ARG:HE	5	0.74	0.52	0.59
(1,3125)	1:58:A:THR:HG22	1:68:A:ARG:HE	5	0.74	0.52	0.59
(1,3125)	1:58:A:THR:HG23	1:68:A:ARG:HE	5	0.74	0.52	0.59
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD11	5	0.73	0.18	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD12	5	0.73	0.18	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD13	5	0.73	0.18	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD21	5	0.73	0.18	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD22	5	0.73	0.18	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD23	5	0.73	0.18	0.79
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	5	0.53	0.05	0.53
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	5	0.53	0.05	0.53
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	5	0.53	0.05	0.53
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	5	0.53	0.05	0.53
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	5	0.53	0.05	0.53
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	5	0.53	0.05	0.53
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	5	0.53	0.41	0.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	5	0.53	0.41	0.32
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	5	0.53	0.41	0.32
(1,179)	1:19:A:LEU:HD11	1:81:A:VAL:HA	5	0.51	0.55	0.25
(1,179)	1:19:A:LEU:HD12	1:81:A:VAL:HA	5	0.51	0.55	0.25
(1,179)	1:19:A:LEU:HD13	1:81:A:VAL:HA	5	0.51	0.55	0.25
(1,179)	1:19:A:LEU:HD21	1:81:A:VAL:HA	5	0.51	0.55	0.25
(1,179)	1:19:A:LEU:HD22	1:81:A:VAL:HA	5	0.51	0.55	0.25
(1,179)	1:19:A:LEU:HD23	1:81:A:VAL:HA	5	0.51	0.55	0.25
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB2	5	0.49	0.26	0.57
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB3	5	0.49	0.26	0.57
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB2	5	0.49	0.26	0.57
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB3	5	0.49	0.26	0.57
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD2	5	0.46	0.11	0.49
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD3	5	0.46	0.11	0.49
(1,1747)	1:141:A:PHE:HZ	1:143:A:GLU:HG3	5	0.44	0.2	0.45
(1,2173)	1:147:A:LYS:HD2	2:201:A:GNP:HN1	5	0.44	0.22	0.43
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG21	5	0.44	0.28	0.31
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG22	5	0.44	0.28	0.31
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG23	5	0.44	0.28	0.31
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG21	5	0.44	0.28	0.31
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG22	5	0.44	0.28	0.31
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG23	5	0.44	0.28	0.31
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE1	5	0.44	0.14	0.42
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE2	5	0.44	0.14	0.42
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG11	5	0.43	0.14	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG12	5	0.43	0.14	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG13	5	0.43	0.14	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG21	5	0.43	0.14	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG22	5	0.43	0.14	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG23	5	0.43	0.14	0.45
(1,575)	1:165:A:LYS:HB2	1:166:A:HIS:HA	5	0.39	0.22	0.5
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD11	5	0.38	0.13	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD12	5	0.38	0.13	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD13	5	0.38	0.13	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD21	5	0.38	0.13	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD22	5	0.38	0.13	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD23	5	0.38	0.13	0.39
(1,2156)	1:111:A:MET:H	1:140:A:PRO:HD3	5	0.38	0.17	0.4
(1,2835)	1:73:A:ARG:HB2	1:73:A:ARG:HE	5	0.38	0.19	0.44
(1,2835)	1:73:A:ARG:HB3	1:73:A:ARG:HE	5	0.38	0.19	0.44
(1,115)	1:95:A:HIS:HA	1:98:A:GLU:H	5	0.37	0.2	0.35
(1,1)	1:10:A:GLY:HA2	1:81:A:VAL:HB	5	0.37	0.14	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1)	1:10:A:GLY:HA3	1:81:A:VAL:HB	5	0.37	0.14	0.47
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG11	5	0.36	0.15	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG12	5	0.36	0.15	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG13	5	0.36	0.15	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG21	5	0.36	0.15	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG22	5	0.36	0.15	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG23	5	0.36	0.15	0.4
(1,3116)	1:85:A:ASN:HB2	1:124:A:THR:H	5	0.34	0.16	0.25
(1,3277)	1:112:A:VAL:H	1:159:A:LEU:HA	5	0.33	0.2	0.29
(1,1348)	1:73:A:ARG:HA	1:73:A:ARG:HD3	5	0.32	0.14	0.27
(1,1009)	1:45:A:VAL:HG11	1:48:A:GLY:H	5	0.31	0.0	0.31
(1,1009)	1:45:A:VAL:HG12	1:48:A:GLY:H	5	0.31	0.0	0.31
(1,1009)	1:45:A:VAL:HG13	1:48:A:GLY:H	5	0.31	0.0	0.31
(1,1009)	1:45:A:VAL:HG21	1:48:A:GLY:H	5	0.31	0.0	0.31
(1,1009)	1:45:A:VAL:HG22	1:48:A:GLY:H	5	0.31	0.0	0.31
(1,1009)	1:45:A:VAL:HG23	1:48:A:GLY:H	5	0.31	0.0	0.31
(1,2037)	1:129:A:GLN:HA	1:132:A:ASP:HB3	5	0.31	0.22	0.23
(1,3062)	1:9:A:VAL:HB	1:81:A:VAL:H	5	0.31	0.15	0.31
(1,2788)	1:116:A:ASN:HA	1:145:A:SER:H	5	0.29	0.1	0.29
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD2	5	0.28	0.05	0.28
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD3	5	0.28	0.05	0.28
(1,876)	1:45:A:VAL:HG11	1:49:A:GLU:H	5	0.27	0.0	0.27
(1,876)	1:45:A:VAL:HG12	1:49:A:GLU:H	5	0.27	0.0	0.27
(1,876)	1:45:A:VAL:HG13	1:49:A:GLU:H	5	0.27	0.0	0.27
(1,876)	1:45:A:VAL:HG21	1:49:A:GLU:H	5	0.27	0.0	0.27
(1,876)	1:45:A:VAL:HG22	1:49:A:GLU:H	5	0.27	0.0	0.27
(1,876)	1:45:A:VAL:HG23	1:49:A:GLU:H	5	0.27	0.0	0.27
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE21	5	0.25	0.05	0.28
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE22	5	0.25	0.05	0.28
(1,2426)	1:110:A:PRO:HG3	1:163:A:ILE:HA	5	0.24	0.01	0.24
(1,698)	1:86:A:ASN:HB2	1:89:A:SER:H	5	0.24	0.09	0.26
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG2	5	0.24	0.1	0.23
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG3	5	0.24	0.1	0.23
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD1	5	0.24	0.13	0.2
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD2	5	0.24	0.13	0.2
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG11	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG12	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG13	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG11	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG12	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG13	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG11	5	0.23	0.08	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG12	5	0.23	0.08	0.21
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG13	5	0.23	0.08	0.21
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG2	5	0.22	0.04	0.21
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG3	5	0.22	0.04	0.21
(1,2768)	1:145:A:SER:H	1:150:A:GLN:HG3	5	0.21	0.1	0.17
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD1	5	0.21	0.12	0.15
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD2	5	0.21	0.12	0.15
(1,2280)	1:144:A:THR:HA	1:151:A:GLY:HA2	5	0.21	0.04	0.21
(1,1187)	1:56:A:LEU:HD11	1:71:A:TYR:HB2	5	0.19	0.06	0.19
(1,1187)	1:56:A:LEU:HD12	1:71:A:TYR:HB2	5	0.19	0.06	0.19
(1,1187)	1:56:A:LEU:HD13	1:71:A:TYR:HB2	5	0.19	0.06	0.19
(1,1187)	1:56:A:LEU:HD21	1:71:A:TYR:HB2	5	0.19	0.06	0.19
(1,1187)	1:56:A:LEU:HD22	1:71:A:TYR:HB2	5	0.19	0.06	0.19
(1,1187)	1:56:A:LEU:HD23	1:71:A:TYR:HB2	5	0.19	0.06	0.19
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG11	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG12	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG13	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG11	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG12	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG13	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG11	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG12	5	0.19	0.07	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG13	5	0.19	0.07	0.17
(1,2087)	1:153:A:ASP:HA	1:155:A:ALA:H	5	0.18	0.05	0.16
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE1	5	0.18	0.07	0.19
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE2	5	0.18	0.07	0.19
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE1	5	0.18	0.07	0.19
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE2	5	0.18	0.07	0.19
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE1	5	0.18	0.07	0.19
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE2	5	0.18	0.07	0.19
(1,1330)	1:95:A:HIS:HD2	1:96:A:TYR:H	5	0.18	0.06	0.21
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD2	5	0.16	0.02	0.15
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD3	5	0.16	0.02	0.15
(1,2056)	1:126:A:ASP:HB2	1:129:A:GLN:HG2	5	0.16	0.05	0.13
(1,2056)	1:126:A:ASP:HB3	1:129:A:GLN:HG2	5	0.16	0.05	0.13
(1,1793)	1:130:A:ALA:HB1	1:131:A:GLN:HB2	5	0.15	0.04	0.16
(1,1793)	1:130:A:ALA:HB2	1:131:A:GLN:HB2	5	0.15	0.04	0.16
(1,1793)	1:130:A:ALA:HB3	1:131:A:GLN:HB2	5	0.15	0.04	0.16
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG21	5	0.15	0.04	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG22	5	0.15	0.04	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG23	5	0.15	0.04	0.13
(1,2200)	1:139:A:ILE:HA	1:140:A:PRO:HG2	5	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,480)	1:25:A:GLN:HB2	1:26:A:ASN:H	5	0.14	0.04	0.14
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG11	5	0.12	0.01	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG12	5	0.12	0.01	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG13	5	0.12	0.01	0.13
(1,704)	1:160:A:VAL:HB	1:161:A:ARG:H	5	0.12	0.02	0.11
(1,2981)	1:59:A:ALA:H	1:68:A:ARG:HE	4	1.82	0.65	1.85
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD2	4	0.79	0.17	0.87
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD3	4	0.79	0.17	0.87
(1,1357)	1:128:A:LYS:H	1:128:A:LYS:HD3	4	0.64	0.06	0.64
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB2	4	0.62	0.1	0.57
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB3	4	0.62	0.1	0.57
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB2	4	0.62	0.1	0.57
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB3	4	0.62	0.1	0.57
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB2	4	0.62	0.1	0.57
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB3	4	0.62	0.1	0.57
(1,2268)	1:150:A:GLN:HG3	1:151:A:GLY:H	4	0.52	0.19	0.53
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	4	0.51	0.22	0.53
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	4	0.51	0.22	0.53
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	4	0.51	0.22	0.53
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	4	0.51	0.22	0.53
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	4	0.51	0.22	0.53
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	4	0.51	0.22	0.53
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	4	0.5	0.1	0.48
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	4	0.5	0.1	0.48
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	4	0.5	0.1	0.48
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB2	4	0.48	0.1	0.45
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB3	4	0.48	0.1	0.45
(1,123)	1:72:A:MET:H	1:72:A:MET:HG2	4	0.44	0.04	0.44
(1,123)	1:72:A:MET:H	1:72:A:MET:HG3	4	0.44	0.04	0.44
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG2	4	0.43	0.06	0.42
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG3	4	0.43	0.06	0.42
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE1	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE2	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE1	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE2	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE1	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE2	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE1	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE2	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE1	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE2	4	0.42	0.3	0.3
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE1	4	0.42	0.3	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE2	4	0.42	0.3	0.3
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD11	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD12	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD13	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD21	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD22	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD23	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD11	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD12	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD13	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD21	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD22	4	0.33	0.1	0.34
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD23	4	0.33	0.1	0.34
(1,1481)	1:14:A:VAL:HA	1:83:A:ALA:HA	4	0.3	0.14	0.29
(1,1411)	1:5:A:LYS:HB2	1:76:A:GLU:HG3	4	0.28	0.07	0.31
(1,1411)	1:5:A:LYS:HB3	1:76:A:GLU:HG3	4	0.28	0.07	0.31
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD1	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD2	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD1	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD2	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD1	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD2	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD1	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD2	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD1	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD2	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD1	4	0.27	0.24	0.16
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD2	4	0.27	0.24	0.16
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD1	4	0.26	0.04	0.28
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD2	4	0.26	0.04	0.28
(1,1279)	1:94:A:HIS:HA	1:96:A:TYR:H	4	0.24	0.06	0.25
(1,1402)	1:85:A:ASN:HB2	1:124:A:THR:H	4	0.24	0.1	0.22
(1,1402)	1:85:A:ASN:HB3	1:124:A:THR:H	4	0.24	0.1	0.22
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG21	4	0.23	0.06	0.24
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG22	4	0.23	0.06	0.24
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG23	4	0.23	0.06	0.24
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE1	4	0.23	0.1	0.22
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE2	4	0.23	0.1	0.22
(1,149)	1:28:A:PHE:HE1	2:201:A:GNP:H8	4	0.22	0.09	0.2
(1,149)	1:28:A:PHE:HE2	2:201:A:GNP:H8	4	0.22	0.09	0.2
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE1	4	0.22	0.1	0.2
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE2	4	0.22	0.1	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1436)	1:79:A:LEU:HD11	1:156:A:PHE:HB3	4	0.22	0.06	0.19
(1,1436)	1:79:A:LEU:HD12	1:156:A:PHE:HB3	4	0.22	0.06	0.19
(1,1436)	1:79:A:LEU:HD13	1:156:A:PHE:HB3	4	0.22	0.06	0.19
(1,1436)	1:79:A:LEU:HD21	1:156:A:PHE:HB3	4	0.22	0.06	0.19
(1,1436)	1:79:A:LEU:HD22	1:156:A:PHE:HB3	4	0.22	0.06	0.19
(1,1436)	1:79:A:LEU:HD23	1:156:A:PHE:HB3	4	0.22	0.06	0.19
(1,2846)	1:140:A:PRO:HG2	1:141:A:PHE:H	4	0.22	0.07	0.22
(1,2047)	1:148:A:THR:HG21	1:150:A:GLN:HB2	4	0.22	0.12	0.16
(1,2047)	1:148:A:THR:HG22	1:150:A:GLN:HB2	4	0.22	0.12	0.16
(1,2047)	1:148:A:THR:HG23	1:150:A:GLN:HB2	4	0.22	0.12	0.16
(1,3063)	1:45:A:VAL:HB	1:48:A:GLY:H	4	0.22	0.06	0.25
(1,906)	1:24:A:ILE:HA	1:42:A:LYS:HD2	4	0.21	0.13	0.16
(1,500)	1:22:A:GLN:H	1:27:A:HIS:H	4	0.2	0.0	0.2
(1,979)	1:88:A:LYS:HA	1:91:A:GLU:H	4	0.18	0.05	0.19
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE1	4	0.17	0.07	0.17
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE2	4	0.17	0.07	0.17
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE1	4	0.17	0.07	0.17
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE2	4	0.17	0.07	0.17
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE1	4	0.17	0.07	0.17
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE2	4	0.17	0.07	0.17
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB1	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB2	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB3	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB1	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB2	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB3	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB1	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB2	4	0.16	0.01	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB3	4	0.16	0.01	0.16
(1,2589)	1:153:A:ASP:HB2	1:155:A:ALA:H	4	0.15	0.04	0.15
(1,2678)	1:146:A:ALA:HA	1:149:A:ARG:H	4	0.15	0.03	0.13
(1,3111)	1:85:A:ASN:HB2	1:125:A:VAL:H	4	0.15	0.02	0.15
(1,3111)	1:85:A:ASN:HB3	1:125:A:VAL:H	4	0.15	0.02	0.15
(1,2734)	1:147:A:LYS:H	1:149:A:ARG:HA	4	0.15	0.03	0.14
(1,1062)	1:131:A:GLN:HA	1:131:A:GLN:HE21	4	0.14	0.03	0.13
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD11	4	0.14	0.04	0.12
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD12	4	0.14	0.04	0.12
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD13	4	0.14	0.04	0.12
(1,567)	1:19:A:LEU:H	1:156:A:PHE:HZ	4	0.14	0.02	0.12
(1,1822)	1:112:A:VAL:HA	1:139:A:ILE:HG12	4	0.14	0.02	0.14
(1,516)	1:20:A:THR:HG21	1:23:A:LEU:H	4	0.13	0.02	0.14
(1,516)	1:20:A:THR:HG22	1:23:A:LEU:H	4	0.13	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,516)	1:20:A:THR:HG23	1:23:A:LEU:H	4	0.13	0.02	0.14
(1,555)	1:19:A:LEU:H	1:20:A:THR:HB	4	0.13	0.02	0.12
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG2	4	0.12	0.01	0.12
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG3	4	0.12	0.01	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB1	4	0.12	0.0	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB2	4	0.12	0.0	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB3	4	0.12	0.0	0.12
(1,3008)	1:58:A:THR:HB	1:68:A:ARG:HE	3	1.14	0.34	1.33
(1,2454)	1:162:A:GLU:HB2	1:165:A:LYS:HG2	3	0.98	0.24	0.9
(1,2454)	1:162:A:GLU:HB3	1:165:A:LYS:HG2	3	0.98	0.24	0.9
(1,2100)	1:13:A:GLY:H	1:15:A:GLY:H	3	0.88	0.54	1.13
(1,955)	1:43:A:GLN:H	1:43:A:GLN:HE21	3	0.81	0.09	0.8
(1,2819)	1:113:A:LEU:HG	1:142:A:ILE:H	3	0.56	0.0	0.56
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE1	3	0.55	0.21	0.44
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE2	3	0.55	0.21	0.44
(1,2452)	1:162:A:GLU:HA	1:165:A:LYS:HG2	3	0.55	0.29	0.39
(1,605)	1:36:A:ILE:HD11	1:37:A:GLU:H	3	0.44	0.2	0.49
(1,605)	1:36:A:ILE:HD12	1:37:A:GLU:H	3	0.44	0.2	0.49
(1,605)	1:36:A:ILE:HD13	1:37:A:GLU:H	3	0.44	0.2	0.49
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG21	3	0.4	0.35	0.18
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG22	3	0.4	0.35	0.18
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG23	3	0.4	0.35	0.18
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG21	3	0.4	0.35	0.18
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG22	3	0.4	0.35	0.18
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG23	3	0.4	0.35	0.18
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG2	3	0.37	0.07	0.38
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG3	3	0.37	0.07	0.38
(1,2526)	1:19:A:LEU:HB3	1:152:A:VAL:HA	3	0.37	0.14	0.39
(1,2404)	1:102:A:ARG:HA	1:102:A:ARG:HG2	3	0.36	0.05	0.33
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB2	3	0.36	0.16	0.28
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB3	3	0.36	0.16	0.28
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG21	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG22	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG23	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG21	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG22	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG23	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG21	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG22	3	0.31	0.14	0.37
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG23	3	0.31	0.14	0.37
(1,1272)	1:9:A:VAL:HG11	1:96:A:TYR:H	3	0.31	0.14	0.24
(1,1272)	1:9:A:VAL:HG12	1:96:A:TYR:H	3	0.31	0.14	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1272)	1:9:A:VAL:HG13	1:96:A:TYR:H	3	0.31	0.14	0.24
(1,1272)	1:9:A:VAL:HG21	1:96:A:TYR:H	3	0.31	0.14	0.24
(1,1272)	1:9:A:VAL:HG22	1:96:A:TYR:H	3	0.31	0.14	0.24
(1,1272)	1:9:A:VAL:HG23	1:96:A:TYR:H	3	0.31	0.14	0.24
(1,2351)	1:4:A:TYR:HE1	1:164:A:ARG:HA	3	0.3	0.1	0.31
(1,2351)	1:4:A:TYR:HE2	1:164:A:ARG:HA	3	0.3	0.1	0.31
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD21	3	0.27	0.23	0.12
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD22	3	0.27	0.23	0.12
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD23	3	0.27	0.23	0.12
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG21	3	0.26	0.09	0.21
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG22	3	0.26	0.09	0.21
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG23	3	0.26	0.09	0.21
(1,2549)	1:165:A:LYS:H	1:165:A:LYS:HG2	3	0.26	0.03	0.27
(1,2710)	1:102:A:ARG:HB3	1:102:A:ARG:HE	3	0.26	0.13	0.22
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD1	3	0.24	0.05	0.26
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD2	3	0.24	0.05	0.26
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD1	3	0.24	0.05	0.26
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD2	3	0.24	0.05	0.26
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD1	3	0.24	0.05	0.26
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD2	3	0.24	0.05	0.26
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD1	3	0.24	0.09	0.24
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD2	3	0.24	0.09	0.24
(1,2908)	1:135:A:ARG:HD2	1:136:A:SER:H	3	0.24	0.06	0.21
(1,2908)	1:135:A:ARG:HD3	1:136:A:SER:H	3	0.24	0.06	0.21
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG2	3	0.23	0.04	0.26
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG3	3	0.23	0.04	0.26
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG2	3	0.23	0.04	0.26
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG3	3	0.23	0.04	0.26
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD11	3	0.23	0.07	0.27
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD12	3	0.23	0.07	0.27
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD13	3	0.23	0.07	0.27
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD11	3	0.23	0.07	0.27
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD12	3	0.23	0.07	0.27
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD13	3	0.23	0.07	0.27
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD21	3	0.23	0.15	0.13
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD22	3	0.23	0.15	0.13
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD21	3	0.23	0.15	0.13
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD22	3	0.23	0.15	0.13
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD21	3	0.23	0.15	0.13
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD22	3	0.23	0.15	0.13
(1,2405)	1:165:A:LYS:HA	1:165:A:LYS:HB3	3	0.23	0.01	0.23
(1,377)	1:24:A:ILE:HD11	1:43:A:GLN:H	3	0.22	0.07	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,377)	1:24:A:ILE:HD12	1:43:A:GLN:H	3	0.22	0.07	0.21
(1,377)	1:24:A:ILE:HD13	1:43:A:GLN:H	3	0.22	0.07	0.21
(1,2911)	1:48:A:GLY:H	1:49:A:GLU:HB2	3	0.21	0.03	0.2
(1,119)	1:97:A:ARG:HG2	1:98:A:GLU:H	3	0.21	0.1	0.18
(1,119)	1:97:A:ARG:HG3	1:98:A:GLU:H	3	0.21	0.1	0.18
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE1	3	0.2	0.12	0.13
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE2	3	0.2	0.12	0.13
(1,2913)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	3	0.2	0.03	0.2
(1,2913)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	3	0.2	0.03	0.2
(1,954)	1:43:A:GLN:HA	1:43:A:GLN:HE21	3	0.19	0.07	0.22
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG11	3	0.19	0.05	0.21
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG12	3	0.19	0.05	0.21
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG13	3	0.19	0.05	0.21
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG11	3	0.19	0.09	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG12	3	0.19	0.09	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG13	3	0.19	0.09	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG21	3	0.19	0.09	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG22	3	0.19	0.09	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG23	3	0.19	0.09	0.13
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG21	3	0.19	0.05	0.16
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG22	3	0.19	0.05	0.16
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG23	3	0.19	0.05	0.16
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD1	3	0.19	0.05	0.22
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD2	3	0.19	0.05	0.22
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG12	3	0.18	0.01	0.18
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG13	3	0.18	0.01	0.18
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG12	3	0.18	0.01	0.18
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG13	3	0.18	0.01	0.18
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD2	3	0.18	0.03	0.2
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD3	3	0.18	0.03	0.2
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB2	3	0.17	0.04	0.19
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB3	3	0.17	0.04	0.19
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB2	3	0.17	0.04	0.19
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB3	3	0.17	0.04	0.19
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB2	3	0.17	0.04	0.19
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB3	3	0.17	0.04	0.19
(1,2501)	1:159:A:LEU:HD11	1:163:A:ILE:H	3	0.17	0.05	0.16
(1,2501)	1:159:A:LEU:HD12	1:163:A:ILE:H	3	0.17	0.05	0.16
(1,2501)	1:159:A:LEU:HD13	1:163:A:ILE:H	3	0.17	0.05	0.16
(1,2501)	1:159:A:LEU:HD21	1:163:A:ILE:H	3	0.17	0.05	0.16
(1,2501)	1:159:A:LEU:HD22	1:163:A:ILE:H	3	0.17	0.05	0.16
(1,2501)	1:159:A:LEU:HD23	1:163:A:ILE:H	3	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1124)	1:113:A:LEU:HB2	1:142:A:ILE:H	3	0.17	0.04	0.19
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE21	3	0.15	0.04	0.13
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE22	3	0.15	0.04	0.13
(1,2407)	1:162:A:GLU:HA	1:164:A:ARG:H	3	0.15	0.03	0.16
(1,2094)	1:159:A:LEU:HA	1:162:A:GLU:HG2	3	0.14	0.0	0.14
(2,2)	3:202:A:MG:MG	2:201:A:GNP:O2B	3	0.13	0.02	0.13
(1,2209)	1:144:A:THR:HG21	1:145:A:SER:H	3	0.12	0.01	0.12
(1,2209)	1:144:A:THR:HG22	1:145:A:SER:H	3	0.12	0.01	0.12
(1,2209)	1:144:A:THR:HG23	1:145:A:SER:H	3	0.12	0.01	0.12
(1,2642)	1:123:A:ARG:HE	1:126:A:ASP:HB2	2	1.25	0.02	1.25
(1,2642)	1:123:A:ARG:HE	1:126:A:ASP:HB3	2	1.25	0.02	1.25
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG21	2	1.1	0.04	1.1
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG22	2	1.1	0.04	1.1
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG23	2	1.1	0.04	1.1
(1,1188)	1:56:A:LEU:HD11	1:71:A:TYR:HD1	2	0.84	0.18	0.84
(1,1188)	1:56:A:LEU:HD11	1:71:A:TYR:HD2	2	0.84	0.18	0.84
(1,1188)	1:56:A:LEU:HD12	1:71:A:TYR:HD1	2	0.84	0.18	0.84
(1,1188)	1:56:A:LEU:HD12	1:71:A:TYR:HD2	2	0.84	0.18	0.84
(1,1188)	1:56:A:LEU:HD13	1:71:A:TYR:HD1	2	0.84	0.18	0.84
(1,1188)	1:56:A:LEU:HD13	1:71:A:TYR:HD2	2	0.84	0.18	0.84
(1,1192)	1:56:A:LEU:HD11	1:71:A:TYR:HE1	2	0.64	0.02	0.64
(1,1192)	1:56:A:LEU:HD11	1:71:A:TYR:HE2	2	0.64	0.02	0.64
(1,1192)	1:56:A:LEU:HD12	1:71:A:TYR:HE1	2	0.64	0.02	0.64
(1,1192)	1:56:A:LEU:HD12	1:71:A:TYR:HE2	2	0.64	0.02	0.64
(1,1192)	1:56:A:LEU:HD13	1:71:A:TYR:HE1	2	0.64	0.02	0.64
(1,1192)	1:56:A:LEU:HD13	1:71:A:TYR:HE2	2	0.64	0.02	0.64
(1,1625)	1:97:A:ARG:H	1:97:A:ARG:HD3	2	0.57	0.11	0.57
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD11	2	0.56	0.0	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD12	2	0.56	0.0	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD13	2	0.56	0.0	0.56
(1,1700)	1:100:A:ILE:HG21	1:103:A:VAL:HB	2	0.52	0.17	0.52
(1,1700)	1:100:A:ILE:HG22	1:103:A:VAL:HB	2	0.52	0.17	0.52
(1,1700)	1:100:A:ILE:HG23	1:103:A:VAL:HB	2	0.52	0.17	0.52
(1,1195)	1:56:A:LEU:HD11	1:57:A:ASP:H	2	0.5	0.06	0.5
(1,1195)	1:56:A:LEU:HD12	1:57:A:ASP:H	2	0.5	0.06	0.5
(1,1195)	1:56:A:LEU:HD13	1:57:A:ASP:H	2	0.5	0.06	0.5
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB1	2	0.49	0.04	0.49
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB2	2	0.49	0.04	0.49
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB3	2	0.49	0.04	0.49
(1,329)	1:42:A:LYS:HG2	1:43:A:GLN:H	2	0.48	0.36	0.48
(1,329)	1:42:A:LYS:HG3	1:43:A:GLN:H	2	0.48	0.36	0.48
(1,1331)	1:95:A:HIS:HA	1:99:A:GLN:H	2	0.44	0.24	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1508)	1:127:A:THR:HA	1:143:A:GLU:HG2	2	0.44	0.01	0.44
(1,1508)	1:127:A:THR:HA	1:143:A:GLU:HG3	2	0.44	0.01	0.44
(1,3247)	1:113:A:LEU:HG	1:114:A:VAL:H	2	0.43	0.0	0.43
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG11	2	0.43	0.26	0.43
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG12	2	0.43	0.26	0.43
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG13	2	0.43	0.26	0.43
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG21	2	0.43	0.26	0.43
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG22	2	0.43	0.26	0.43
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG23	2	0.43	0.26	0.43
(1,2282)	1:151:A:GLY:HA3	1:154:A:ASP:HB3	2	0.42	0.01	0.42
(1,1906)	1:118:A:SER:HB2	1:143:A:GLU:HB3	2	0.41	0.04	0.41
(1,1906)	1:118:A:SER:HB3	1:143:A:GLU:HB3	2	0.41	0.04	0.41
(1,545)	1:119:A:ASP:HB2	1:145:A:SER:HB2	2	0.4	0.05	0.4
(1,545)	1:119:A:ASP:HB2	1:145:A:SER:HB3	2	0.4	0.05	0.4
(1,545)	1:119:A:ASP:HB3	1:145:A:SER:HB2	2	0.4	0.05	0.4
(1,545)	1:119:A:ASP:HB3	1:145:A:SER:HB3	2	0.4	0.05	0.4
(1,2164)	1:109:A:VAL:HA	1:166:A:HIS:HE1	2	0.38	0.02	0.38
(1,1502)	1:97:A:ARG:HD3	1:137:A:TYR:HE1	2	0.38	0.2	0.38
(1,1502)	1:97:A:ARG:HD3	1:137:A:TYR:HE2	2	0.38	0.2	0.38
(1,643)	1:78:A:PHE:H	1:110:A:PRO:HB2	2	0.37	0.21	0.37
(1,2322)	1:151:A:GLY:H	1:154:A:ASP:HB3	2	0.37	0.18	0.37
(1,1941)	1:121:A:PRO:HG3	1:122:A:SER:H	2	0.35	0.18	0.35
(1,1870)	1:81:A:VAL:HA	1:114:A:VAL:HB	2	0.33	0.02	0.33
(1,1212)	1:56:A:LEU:H	1:56:A:LEU:HG	2	0.3	0.02	0.3
(1,1252)	1:63:A:GLU:HA	1:64:A:TYR:H	2	0.3	0.01	0.3
(1,766)	1:147:A:LYS:HG3	1:147:A:LYS:HE2	2	0.3	0.11	0.3
(1,2086)	1:132:A:ASP:HA	1:135:A:ARG:HD2	2	0.28	0.04	0.28
(1,2086)	1:132:A:ASP:HA	1:135:A:ARG:HD3	2	0.28	0.04	0.28
(1,2503)	1:119:A:ASP:HB2	1:148:A:THR:HB	2	0.28	0.01	0.28
(1,2503)	1:119:A:ASP:HB3	1:148:A:THR:HB	2	0.28	0.01	0.28
(1,3172)	1:41:A:ARG:HA	1:41:A:ARG:HE	2	0.26	0.02	0.26
(1,991)	1:83:A:ALA:HB1	1:85:A:ASN:HD21	2	0.26	0.12	0.26
(1,991)	1:83:A:ALA:HB2	1:85:A:ASN:HD21	2	0.26	0.12	0.26
(1,991)	1:83:A:ALA:HB3	1:85:A:ASN:HD21	2	0.26	0.12	0.26
(1,1584)	1:93:A:ILE:HG21	1:137:A:TYR:HD1	2	0.26	0.12	0.26
(1,1584)	1:93:A:ILE:HG21	1:137:A:TYR:HD2	2	0.26	0.12	0.26
(1,1584)	1:93:A:ILE:HG22	1:137:A:TYR:HD1	2	0.26	0.12	0.26
(1,1584)	1:93:A:ILE:HG22	1:137:A:TYR:HD2	2	0.26	0.12	0.26
(1,1584)	1:93:A:ILE:HG23	1:137:A:TYR:HD1	2	0.26	0.12	0.26
(1,1584)	1:93:A:ILE:HG23	1:137:A:TYR:HD2	2	0.26	0.12	0.26
(1,69)	1:85:A:ASN:H	1:123:A:ARG:HA	2	0.26	0.06	0.26
(1,988)	1:85:A:ASN:HD21	1:117:A:LYS:HB2	2	0.24	0.04	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,988)	1:85:A:ASN:HD21	1:117:A:LYS:HB3	2	0.24	0.04	0.24
(1,988)	1:85:A:ASN:HD22	1:117:A:LYS:HB2	2	0.24	0.04	0.24
(1,988)	1:85:A:ASN:HD22	1:117:A:LYS:HB3	2	0.24	0.04	0.24
(1,2663)	1:1:A:MET:HE1	1:43:A:GLN:HE22	2	0.24	0.0	0.24
(1,2663)	1:1:A:MET:HE2	1:43:A:GLN:HE22	2	0.24	0.0	0.24
(1,2663)	1:1:A:MET:HE3	1:43:A:GLN:HE22	2	0.24	0.0	0.24
(1,1392)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	2	0.23	0.0	0.23
(1,1392)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	2	0.23	0.0	0.23
(1,1392)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	2	0.23	0.0	0.23
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD21	2	0.23	0.06	0.23
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD22	2	0.23	0.06	0.23
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD23	2	0.23	0.06	0.23
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD21	2	0.23	0.06	0.23
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD22	2	0.23	0.06	0.23
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD23	2	0.23	0.06	0.23
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG21	2	0.23	0.02	0.23
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG22	2	0.23	0.02	0.23
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG23	2	0.23	0.02	0.23
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG21	2	0.23	0.02	0.23
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG22	2	0.23	0.02	0.23
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG23	2	0.23	0.02	0.23
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB1	2	0.23	0.12	0.23
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB2	2	0.23	0.12	0.23
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB3	2	0.23	0.12	0.23
(1,2468)	1:165:A:LYS:HA	1:165:A:LYS:HD2	2	0.22	0.02	0.22
(1,2468)	1:165:A:LYS:HA	1:165:A:LYS:HD3	2	0.22	0.02	0.22
(1,491)	1:29:A:VAL:HA	1:31:A:GLU:H	2	0.22	0.01	0.22
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD21	2	0.22	0.04	0.22
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD22	2	0.22	0.04	0.22
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD23	2	0.22	0.04	0.22
(1,2457)	1:110:A:PRO:HG2	1:166:A:HIS:HB2	2	0.22	0.08	0.22
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG21	2	0.21	0.1	0.21
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG22	2	0.21	0.1	0.21
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG23	2	0.21	0.1	0.21
(1,1693)	1:72:A:MET:HB2	1:103:A:VAL:HA	2	0.2	0.06	0.2
(1,1693)	1:72:A:MET:HB3	1:103:A:VAL:HA	2	0.2	0.06	0.2
(1,803)	1:142:A:ILE:HD11	1:143:A:GLU:H	2	0.2	0.0	0.2
(1,803)	1:142:A:ILE:HD12	1:143:A:GLU:H	2	0.2	0.0	0.2
(1,803)	1:142:A:ILE:HD13	1:143:A:GLU:H	2	0.2	0.0	0.2
(1,897)	1:79:A:LEU:HD11	1:157:A:TYR:H	2	0.2	0.04	0.2
(1,897)	1:79:A:LEU:HD12	1:157:A:TYR:H	2	0.2	0.04	0.2
(1,897)	1:79:A:LEU:HD13	1:157:A:TYR:H	2	0.2	0.04	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,897)	1:79:A:LEU:HD21	1:157:A:TYR:H	2	0.2	0.04	0.2
(1,897)	1:79:A:LEU:HD22	1:157:A:TYR:H	2	0.2	0.04	0.2
(1,897)	1:79:A:LEU:HD23	1:157:A:TYR:H	2	0.2	0.04	0.2
(1,1107)	1:1:A:MET:HG3	1:51:A:CYS:HB3	2	0.2	0.04	0.2
(1,495)	1:29:A:VAL:HA	1:32:A:TYR:HD1	2	0.19	0.03	0.19
(1,495)	1:29:A:VAL:HA	1:32:A:TYR:HD2	2	0.19	0.03	0.19
(1,507)	1:169:A:LYS:H	1:169:A:LYS:HB2	2	0.19	0.0	0.19
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG21	2	0.19	0.06	0.19
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG22	2	0.19	0.06	0.19
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG23	2	0.19	0.06	0.19
(1,2543)	1:123:A:ARG:HB2	1:123:A:ARG:HE	2	0.19	0.07	0.19
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD21	2	0.18	0.02	0.18
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD22	2	0.18	0.02	0.18
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD23	2	0.18	0.02	0.18
(1,1025)	1:15:A:GLY:HA3	1:116:A:ASN:HD21	2	0.18	0.0	0.18
(1,2879)	1:135:A:ARG:HA	1:138:A:GLY:H	2	0.18	0.06	0.18
(1,2580)	1:154:A:ASP:HB3	1:155:A:ALA:H	2	0.17	0.03	0.17
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD11	2	0.17	0.01	0.17
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD12	2	0.17	0.01	0.17
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD13	2	0.17	0.01	0.17
(1,1610)	1:96:A:TYR:HB3	1:100:A:ILE:HB	2	0.17	0.02	0.17
(1,792)	1:40:A:TYR:HA	1:41:A:ARG:HB2	2	0.16	0.01	0.16
(1,792)	1:40:A:TYR:HA	1:41:A:ARG:HB3	2	0.16	0.01	0.16
(1,3259)	1:113:A:LEU:H	1:141:A:PHE:HB3	2	0.16	0.02	0.16
(1,788)	1:8:A:VAL:HB	1:58:A:THR:H	2	0.16	0.05	0.16
(1,2525)	1:160:A:VAL:HG11	1:164:A:ARG:H	2	0.16	0.04	0.16
(1,2525)	1:160:A:VAL:HG12	1:164:A:ARG:H	2	0.16	0.04	0.16
(1,2525)	1:160:A:VAL:HG13	1:164:A:ARG:H	2	0.16	0.04	0.16
(1,2525)	1:160:A:VAL:HG21	1:164:A:ARG:H	2	0.16	0.04	0.16
(1,2525)	1:160:A:VAL:HG22	1:164:A:ARG:H	2	0.16	0.04	0.16
(1,2525)	1:160:A:VAL:HG23	1:164:A:ARG:H	2	0.16	0.04	0.16
(1,2717)	1:147:A:LYS:H	1:147:A:LYS:HB2	2	0.15	0.02	0.15
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG11	2	0.14	0.03	0.14
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG12	2	0.14	0.03	0.14
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG13	2	0.14	0.03	0.14
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG21	2	0.14	0.03	0.14
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG22	2	0.14	0.03	0.14
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG23	2	0.14	0.03	0.14
(1,2299)	1:153:A:ASP:HA	1:157:A:TYR:HD1	2	0.14	0.02	0.14
(1,2299)	1:153:A:ASP:HA	1:157:A:TYR:HD2	2	0.14	0.02	0.14
(1,3166)	1:117:A:LYS:HA	1:119:A:ASP:H	2	0.14	0.01	0.14
(1,304)	1:7:A:VAL:H	1:78:A:PHE:HE1	2	0.14	0.02	0.14

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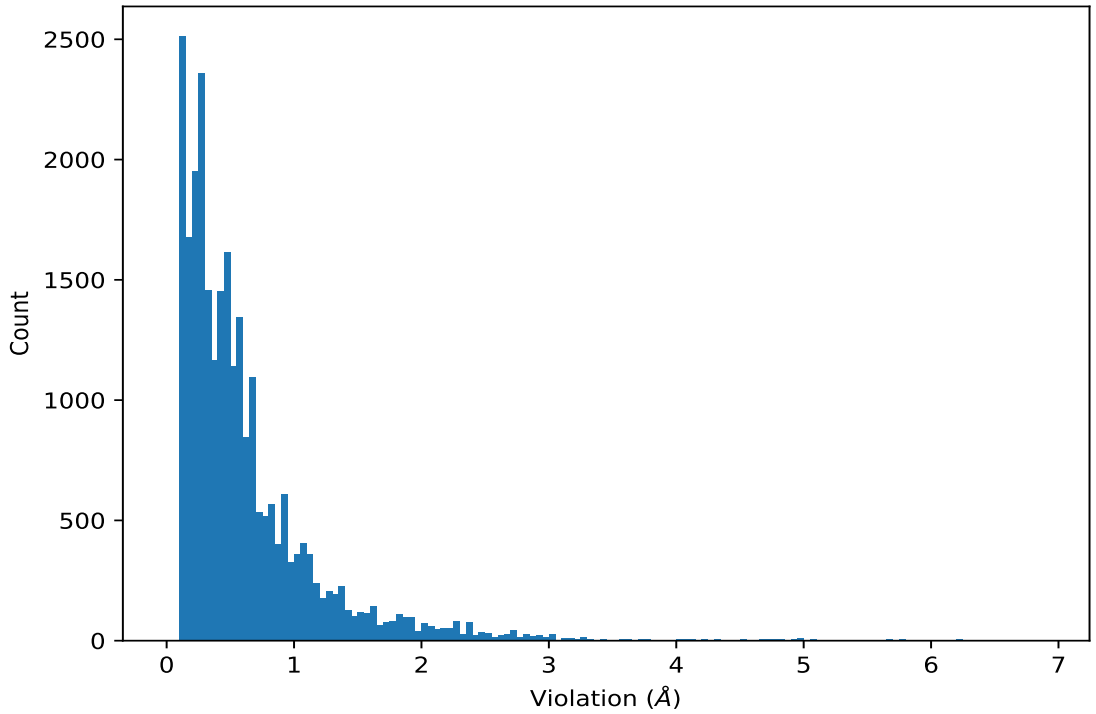
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,304)	1:7:A:VAL:H	1:78:A:PHE:HE2	2	0.14	0.02	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG11	2	0.14	0.01	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG12	2	0.14	0.01	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG13	2	0.14	0.01	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG21	2	0.14	0.01	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG22	2	0.14	0.01	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG23	2	0.14	0.01	0.14
(1,1672)	1:102:A:ARG:HA	1:102:A:ARG:HG2	2	0.13	0.02	0.13
(1,1672)	1:102:A:ARG:HA	1:102:A:ARG:HG3	2	0.13	0.02	0.13
(1,3051)	1:126:A:ASP:HB2	1:128:A:LYS:H	2	0.12	0.0	0.12
(1,3051)	1:126:A:ASP:HB3	1:128:A:LYS:H	2	0.12	0.0	0.12
(1,3181)	1:117:A:LYS:H	1:119:A:ASP:H	2	0.12	0.01	0.12
(1,2943)	1:32:A:TYR:H	1:32:A:TYR:HB3	2	0.12	0.02	0.12
(1,1902)	1:116:A:ASN:HA	1:144:A:THR:HA	2	0.12	0.0	0.12
(1,2918)	1:133:A:LEU:HD11	1:136:A:SER:H	2	0.11	0.0	0.11
(1,2918)	1:133:A:LEU:HD12	1:136:A:SER:H	2	0.11	0.0	0.11
(1,2918)	1:133:A:LEU:HD13	1:136:A:SER:H	2	0.11	0.0	0.11
(1,2918)	1:133:A:LEU:HD21	1:136:A:SER:H	2	0.11	0.0	0.11
(1,2918)	1:133:A:LEU:HD22	1:136:A:SER:H	2	0.11	0.0	0.11
(1,2918)	1:133:A:LEU:HD23	1:136:A:SER:H	2	0.11	0.0	0.11
(1,2569)	1:156:A:PHE:H	1:156:A:PHE:HE1	2	0.11	0.0	0.11
(1,2569)	1:156:A:PHE:H	1:156:A:PHE:HE2	2	0.11	0.0	0.11
(1,2400)	1:160:A:VAL:HG11	1:161:A:ARG:HA	2	0.1	0.0	0.1
(1,2400)	1:160:A:VAL:HG12	1:161:A:ARG:HA	2	0.1	0.0	0.1
(1,2400)	1:160:A:VAL:HG13	1:161:A:ARG:HA	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	19	6.89
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	15	6.89
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	15	6.89
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	5	6.72
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	16	6.59
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	6	6.56
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	6	6.56
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	13	6.54
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	13	6.54
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	18	6.39
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	19	6.33
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	5	6.32
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	20	6.31
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	4	6.25
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	4	6.25
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	16	6.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	16	6.25
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	15	6.24
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	9	6.24
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	9	6.24
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	16	6.22
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	7	6.22
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	7	6.22
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	18	6.14
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	18	6.14
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	2	6.08
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	2	6.08
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	5	6.05
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	5	6.05
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	19	6.01
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	19	6.01
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	10	5.94
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	10	5.94
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	14	5.91
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	14	5.91
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	18	5.89
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	11	5.82
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	11	5.82
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	20	5.8
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	1	5.8
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	1	5.8
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	12	5.8
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	12	5.8
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	3	5.67
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	3	5.67
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	8	5.66
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	8	5.66
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	9	5.65
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	9	5.65
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	3	5.63
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	15	5.62
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	11	5.58
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	2	5.57
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	11	5.57
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	7	5.48
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	8	5.47
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	17	5.47
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	17	5.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	2	5.43
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	13	5.41
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	13	5.4
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	6	5.39
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	6	5.39
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	6	5.35
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	7	5.35
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	14	5.33
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	1	5.31
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	3	5.28
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	4	5.27
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	8	5.27
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	6	5.24
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	14	5.17
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG2	20	5.11
(1,1370)	1:95:A:HIS:HE1	1:99:A:GLN:HG3	20	5.11
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	15	5.08
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	15	5.08
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	4	5.07
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	16	5.07
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	16	5.07
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	17	5.05
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	1	5.03
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	12	4.98
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	10	4.98
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	10	4.98
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	10	4.98
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	10	4.98
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	10	4.98
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	10	4.98
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	17	4.97
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	13	4.95
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	13	4.95
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	9	4.94
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	9	4.94
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	4	4.93
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	4	4.93
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	14	4.93
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	14	4.93
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	7	4.9
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	7	4.9
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	2	4.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	2	4.86
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	5	4.84
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	5	4.84
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	3	4.83
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	3	4.83
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	12	4.82
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	1	4.79
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	1	4.79
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	12	4.79
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	12	4.79
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	18	4.79
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	18	4.79
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	10	4.74
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	10	4.74
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	19	4.71
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	19	4.71
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	11	4.7
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	11	4.7
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	14	4.69
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	14	4.69
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	14	4.69
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	14	4.69
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	14	4.69
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	14	4.69
(1,1386)	1:95:A:HIS:HE1	1:99:A:GLN:HE21	10	4.66
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	8	4.56
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	8	4.56
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	17	4.53
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	17	4.53
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	17	4.53
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	17	4.53
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	17	4.53
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	17	4.53
(1,1489)	1:95:A:HIS:HE1	1:99:A:GLN:HE22	10	4.52
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	17	4.49
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	17	4.49
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	9	4.35
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	9	4.35
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	9	4.35
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	9	4.35
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	9	4.35
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	9	4.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	7	4.26
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG2	20	4.25
(1,1309)	1:95:A:HIS:HD2	1:99:A:GLN:HG3	20	4.25
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	12	4.24
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	4	4.24
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	4	4.24
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	19	4.22
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	10	4.21
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	14	4.2
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	17	4.15
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	10	4.14
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	10	4.14
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	10	4.14
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	10	4.14
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	10	4.14
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	10	4.14
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	2	4.11
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	1	4.09
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	2	4.09
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	8	4.09
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	11	4.09
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	15	4.06
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	9	4.05
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	16	4.04
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	20	4.04
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	8	4.02
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	4	4.01
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	3	4.0
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	5	4.0
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	13	3.98
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	20	3.9
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	20	3.76
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	20	3.75
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	20	3.75
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	20	3.75
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	20	3.75
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	20	3.75
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	20	3.75
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	14	3.74
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	14	3.74
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	14	3.74
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	14	3.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	14	3.74
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	14	3.74
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	4	3.73
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	4	3.73
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	6	3.69
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	12	3.69
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	17	3.67
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	19	3.64
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	19	3.64
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	19	3.64
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	19	3.64
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	19	3.64
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	19	3.64
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	17	3.59
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	17	3.59
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	17	3.59
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	17	3.59
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	17	3.59
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	17	3.59
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	16	3.57
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	16	3.56
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	3	3.51
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	3	3.51
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	20	3.44
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	20	3.44
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	9	3.43
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	9	3.43
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	9	3.43
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	9	3.43
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	9	3.43
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	9	3.43
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	3	3.4
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	11	3.4
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	15	3.36
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	15	3.36
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	20	3.34
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	6	3.34
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	6	3.34
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	2	3.34
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	5	3.31
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	5	3.3
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	11	3.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	11	3.29
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	11	3.29
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	11	3.29
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	11	3.29
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	11	3.29
(1,2626)	1:165:A:LYS:HB2	1:166:A:HIS:HD2	18	3.28
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	7	3.27
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	7	3.27
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	7	3.27
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	7	3.27
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	7	3.27
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	7	3.27
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	8	3.25
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	8	3.25
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	6	3.24
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	11	3.24
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	8	3.22
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	8	3.22
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	5	3.2
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	5	3.2
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	14	3.18
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	14	3.18
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	9	3.17
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	9	3.17
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	11	3.17
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	11	3.17
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	3	3.16
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	3	3.16
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	12	3.16
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	12	3.16
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	15	3.15
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	15	3.15
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	16	3.15
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	12	3.14
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	12	3.14
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	13	3.13
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	1	3.13
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	1	3.13
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	12	3.1
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	12	3.1
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	9	3.1
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	20	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	11	3.08
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	18	3.08
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	2	3.07
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	12	3.05
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	12	3.05
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	20	3.05
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	19	3.04
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	4	3.03
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	4	3.03
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	10	3.02
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	10	3.02
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	13	3.02
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	13	3.02
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	16	3.02
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	16	3.02
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	20	3.02
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	20	3.02
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	10	3.02
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	5	3.01
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	9	3.01
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	18	3.01
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	18	3.01
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	17	3.01
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	17	3.01
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	5	3.01
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	20	3.0
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	20	3.0
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	6	3.0
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	9	2.99
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	9	2.99
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	6	2.99
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	7	2.98
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	7	2.98
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	1	2.97
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	16	2.97
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	16	2.97
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	1	2.96
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	17	2.95
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	17	2.95
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	14	2.95
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	14	2.95
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	17	2.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	17	2.95
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	9	2.94
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	5	2.94
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	5	2.94
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	6	2.94
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	6	2.94
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	1	2.94
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	1	2.94
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	20	2.94
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	20	2.94
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	14	2.93
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	3	2.93
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	15	2.93
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	15	2.93
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	13	2.92
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	13	2.92
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	13	2.92
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	13	2.92
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	13	2.92
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	13	2.92
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	20	2.91
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	20	2.91
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	17	2.9
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	17	2.9
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	19	2.9
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	19	2.9
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	19	2.9
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	19	2.9
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	9	2.89
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	9	2.89
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	8	2.88
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	5	2.88
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	5	2.88
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	2	2.87
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	4	2.87
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	4	2.87
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	8	2.85
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	8	2.85
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	15	2.85
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	14	2.85
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	14	2.85
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	20	2.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	14	2.84
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	14	2.84
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	2	2.83
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	5	2.83
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	5	2.83
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	15	2.83
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	5	2.83
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	5	2.83
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	4	2.83
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	4	2.83
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	13	2.83
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	13	2.83
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	18	2.82
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	18	2.82
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	15	2.82
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	7	2.82
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	7	2.82
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	20	2.82
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	20	2.82
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	20	2.82
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	20	2.82
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	20	2.82
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	20	2.82
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	7	2.81
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	7	2.81
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	4	2.79
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	4	2.79
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	5	2.78
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	20	2.78
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	11	2.77
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	11	2.77
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	10	2.76
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	2	2.76
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	2	2.76
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	7	2.75
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	3	2.75
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	3	2.75
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	14	2.75
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	6	2.74
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	6	2.74
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	15	2.74
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	15	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	5	2.74
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	5	2.74
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	16	2.74
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	10	2.74
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	10	2.74
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	10	2.74
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	10	2.74
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	10	2.74
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	10	2.74
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	18	2.74
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	18	2.74
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	18	2.74
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	18	2.74
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	18	2.74
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	18	2.74
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	11	2.73
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	1	2.72
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	1	2.72
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	1	2.72
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	15	2.72
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	15	2.72
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	15	2.72
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	15	2.72
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	15	2.72
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	15	2.72
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	19	2.72
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	19	2.72
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	19	2.72
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	19	2.72
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	19	2.72
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	19	2.72
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	2	2.71
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	2	2.71
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	13	2.7
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	13	2.7
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	13	2.7
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	20	2.7
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	20	2.7
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	4	2.69
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	4	2.69
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	10	2.68
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	10	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	12	2.68
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	12	2.68
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	8	2.68
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	8	2.68
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	8	2.68
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	8	2.68
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	8	2.68
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	8	2.68
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	17	2.67
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	11	2.67
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	11	2.67
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	8	2.67
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	19	2.67
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	10	2.67
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	10	2.67
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	10	2.67
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	10	2.67
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	10	2.67
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	10	2.67
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	6	2.66
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	6	2.66
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	19	2.66
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	19	2.66
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	6	2.65
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	6	2.65
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	4	2.65
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	4	2.65
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	17	2.65
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	6	2.65
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	6	2.65
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	3	2.64
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	3	2.64
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	14	2.64
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	18	2.64
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	18	2.64
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	1	2.64
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	1	2.64
(1,2981)	1:59:A:ALA:H	1:68:A:ARG:HE	3	2.63
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	19	2.63
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	19	2.63
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	17	2.63
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	9	2.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	9	2.62
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	10	2.6
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	10	2.6
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	8	2.58
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	13	2.58
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	13	2.58
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	13	2.58
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	13	2.58
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	13	2.58
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	13	2.58
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	3	2.57
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	17	2.56
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	17	2.56
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	8	2.56
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	8	2.56
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	6	2.56
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	6	2.56
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	18	2.55
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	18	2.55
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	4	2.55
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	1	2.55
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	1	2.55
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	12	2.55
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	12	2.55
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	5	2.53
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	5	2.53
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	7	2.53
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	3	2.53
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	3	2.53
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	3	2.53
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	3	2.53
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	3	2.53
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	3	2.53
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	2	2.52
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	1	2.51
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	1	2.51
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	1	2.51
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	1	2.51
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	1	2.51
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	1	2.51
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	2	2.51
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	2	2.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	2	2.51
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	2	2.51
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	2	2.51
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	2	2.51
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	8	2.5
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	6	2.49
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	12	2.49
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	2	2.49
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	2	2.49
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	9	2.49
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	9	2.49
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	9	2.49
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	12	2.48
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	2	2.47
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	2	2.47
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	11	2.47
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	11	2.47
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	1	2.47
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	4	2.47
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	12	2.47
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	12	2.47
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	12	2.47
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	12	2.47
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	12	2.47
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	12	2.47
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	11	2.46
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	11	2.46
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	16	2.46
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	16	2.46
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	16	2.46
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	16	2.46
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	16	2.46
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	16	2.46
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	16	2.46
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	16	2.46
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	12	2.45
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	12	2.45
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	17	2.45
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	17	2.45
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	18	2.45
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	1	2.45
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	9	2.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	9	2.44
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	9	2.44
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	9	2.44
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	9	2.44
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	9	2.44
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	3	2.43
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	3	2.43
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	15	2.43
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	15	2.43
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	1	2.43
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	1	2.43
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	15	2.42
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	15	2.42
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	6	2.42
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	12	2.42
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	12	2.42
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	12	2.42
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	12	2.42
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	12	2.42
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	12	2.42
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	11	2.41
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	11	2.41
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	8	2.4
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	8	2.4
(1,2682)	1:25:A:GLN:HA	1:27:A:HIS:HE1	18	2.4
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	13	2.4
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	13	2.4
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	5	2.4
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	5	2.4
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	15	2.4
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	15	2.4
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	19	2.4
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	19	2.4
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	13	2.4
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	10	2.4
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	7	2.39
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	7	2.39
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	8	2.39
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	8	2.39
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	5	2.39
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	5	2.39
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	16	2.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	16	2.39
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	17	2.39
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	4	2.39
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	13	2.39
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	13	2.39
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	18	2.38
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	18	2.38
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	18	2.38
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	20	2.38
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	20	2.38
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	4	2.38
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	4	2.38
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	4	2.37
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	14	2.37
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	1	2.37
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	1	2.37
(1,2254)	1:149:A:ARG:HB2	1:150:A:GLN:HE21	9	2.37
(1,2254)	1:149:A:ARG:HB3	1:150:A:GLN:HE21	9	2.37
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	11	2.37
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	9	2.37
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	9	2.37
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	3	2.37
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	6	2.37
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	18	2.36
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	8	2.36
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	8	2.36
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	14	2.36
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	16	2.36
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	3	2.36
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	3	2.36
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	6	2.36
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	6	2.36
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	6	2.36
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	6	2.36
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	6	2.36
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	6	2.36
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	17	2.36
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	17	2.36
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	17	2.36
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	17	2.36
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	17	2.36
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	17	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	5	2.35
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	13	2.35
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	18	2.35
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	11	2.35
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	11	2.35
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	11	2.35
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	11	2.35
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	11	2.35
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	11	2.35
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	14	2.35
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	14	2.35
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	14	2.35
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	14	2.35
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	14	2.35
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	14	2.35
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	4	2.34
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	4	2.34
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	10	2.34
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	10	2.34
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	15	2.34
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	11	2.34
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	11	2.34
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	11	2.34
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	11	2.34
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	11	2.34
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	11	2.34
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	10	2.33
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	10	2.33
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	16	2.33
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	16	2.33
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	7	2.33
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	18	2.32
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	13	2.32
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	13	2.32
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	11	2.32
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	9	2.32
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	18	2.31
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	17	2.31
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	4	2.31
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	16	2.31
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	16	2.31
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	7	2.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	19	2.3
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	11	2.3
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	11	2.3
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	16	2.3
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	1	2.3
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	1	2.3
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	12	2.3
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	12	2.3
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	12	2.3
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	3	2.3
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	3	2.3
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	4	2.3
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	20	2.3
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	7	2.3
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	7	2.3
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	7	2.3
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	7	2.3
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	7	2.3
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	7	2.3
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	19	2.3
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	19	2.3
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	19	2.3
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	19	2.3
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	19	2.3
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	19	2.3
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	19	2.29
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	19	2.29
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	6	2.29
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	6	2.29
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	19	2.29
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	9	2.29
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	19	2.29
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	15	2.29
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	14	2.28
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	14	2.28
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	12	2.28
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	9	2.28
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	3	2.28
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	12	2.28
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	12	2.28
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	12	2.28
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	4	2.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	4	2.27
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	9	2.27
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	9	2.27
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	3	2.27
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	9	2.27
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	13	2.26
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	13	2.26
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	2	2.26
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	2	2.26
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	2	2.26
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	2	2.26
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	2	2.26
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB2	20	2.26
(1,1311)	1:95:A:HIS:HD2	1:99:A:GLN:HB3	20	2.26
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	2	2.26
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	19	2.26
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	19	2.26
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	8	2.26
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	8	2.26
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	8	2.26
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	8	2.26
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	8	2.26
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	8	2.26
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	14	2.26
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	14	2.26
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	14	2.26
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	14	2.26
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	14	2.26
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	14	2.26
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	10	2.25
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	8	2.25
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	8	2.25
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	9	2.25
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	9	2.25
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	14	2.25
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	14	2.25
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	1	2.25
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	9	2.25
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	10	2.25
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	10	2.25
(1,2981)	1:59:A:ALA:H	1:68:A:ARG:HE	20	2.24
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	13	2.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	13	2.24
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	17	2.24
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	16	2.23
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	16	2.23
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	6	2.23
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	6	2.23
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	9	2.23
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	9	2.23
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	2	2.23
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	13	2.22
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	13	2.22
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	14	2.22
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	14	2.22
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	10	2.22
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	10	2.22
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	20	2.22
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	20	2.22
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	20	2.22
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	17	2.22
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	16	2.22
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	7	2.22
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	7	2.22
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	10	2.21
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	10	2.21
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	10	2.21
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	10	2.21
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	2	2.21
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	2	2.21
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	6	2.21
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	12	2.21
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	11	2.21
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	11	2.21
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	11	2.21
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	11	2.21
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	11	2.21
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	11	2.21
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	18	2.21
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	18	2.21
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	18	2.21
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	18	2.21
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	18	2.21
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	18	2.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	16	2.2
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	16	2.2
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	8	2.2
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	5	2.2
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	5	2.2
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	5	2.2
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	5	2.2
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	5	2.2
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	5	2.2
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	7	2.19
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	7	2.19
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	16	2.19
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	11	2.19
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	12	2.19
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	3	2.19
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	3	2.19
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	2	2.19
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	2	2.19
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	20	2.18
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	3	2.18
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	3	2.18
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	11	2.18
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	10	2.18
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	7	2.18
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	7	2.18
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	7	2.18
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	7	2.18
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	7	2.18
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	7	2.18
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	18	2.17
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	18	2.17
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	7	2.16
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	7	2.16
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	18	2.16
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	20	2.16
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	20	2.16
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	5	2.16
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	7	2.16
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	20	2.16
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	4	2.16
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	4	2.16
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	4	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	4	2.16
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	4	2.16
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	4	2.16
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	2	2.15
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	12	2.15
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	12	2.15
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	5	2.15
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	5	2.15
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	5	2.15
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	5	2.15
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	5	2.15
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	8	2.15
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	13	2.15
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	15	2.15
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	15	2.15
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	15	2.15
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	15	2.15
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	15	2.15
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	15	2.15
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	15	2.15
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	15	2.15
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	4	2.14
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	14	2.14
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	14	2.14
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	3	2.14
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	3	2.14
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	10	2.14
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	5	2.14
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	5	2.14
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	3	2.13
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	6	2.13
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	6	2.13
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	16	2.12
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	17	2.12
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	17	2.12
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	17	2.12
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	17	2.12
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	16	2.12
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	16	2.12
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	17	2.12
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	17	2.12
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	17	2.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	17	2.12
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	17	2.12
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	17	2.12
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	15	2.11
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	15	2.11
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	6	2.11
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	6	2.11
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	6	2.11
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	6	2.11
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	13	2.11
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	19	2.11
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	2	2.11
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	2	2.11
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	2	2.11
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	4	2.1
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	4	2.1
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	4	2.1
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	16	2.1
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	16	2.1
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	16	2.1
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	17	2.1
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	17	2.1
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	17	2.1
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	19	2.1
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	19	2.1
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	19	2.1
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	14	2.09
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	14	2.09
(1,1294)	1:95:A:HIS:HD2	1:96:A:TYR:HA	15	2.09
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	13	2.09
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	13	2.09
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	5	2.08
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	5	2.08
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	2	2.08
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	19	2.08
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	17	2.08
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	4	2.08
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	4	2.08
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	12	2.08
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	12	2.08
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	1	2.08
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	1	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	1	2.08
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	9	2.08
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	9	2.08
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	9	2.08
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	4	2.08
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	4	2.08
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	4	2.08
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	4	2.08
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	4	2.08
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	4	2.08
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	4	2.08
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	4	2.08
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	16	2.08
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	16	2.08
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	16	2.08
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	16	2.08
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	16	2.08
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	16	2.08
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	20	2.08
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	20	2.08
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	20	2.08
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	20	2.08
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	20	2.08
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	20	2.08
(1,212)	1:41:A:ARG:HE	1:52:A:LEU:HD11	13	2.08
(1,212)	1:41:A:ARG:HE	1:52:A:LEU:HD12	13	2.08
(1,212)	1:41:A:ARG:HE	1:52:A:LEU:HD13	13	2.08
(1,212)	1:41:A:ARG:HE	1:52:A:LEU:HD21	13	2.08
(1,212)	1:41:A:ARG:HE	1:52:A:LEU:HD22	13	2.08
(1,212)	1:41:A:ARG:HE	1:52:A:LEU:HD23	13	2.08
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	2	2.07
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	2	2.07
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	4	2.07
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	4	2.07
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	16	2.07
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	16	2.07
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	14	2.06
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	14	2.06
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	17	2.06
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	17	2.06
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	15	2.06
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	15	2.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	15	2.06
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	10	2.06
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	1	2.05
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	18	2.05
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	18	2.05
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	18	2.05
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	2	2.05
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	5	2.05
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	5	2.05
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	19	2.05
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	19	2.05
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	16	2.04
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	16	2.04
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	2	2.04
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	2	2.04
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	2	2.04
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	2	2.04
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	5	2.04
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	5	2.04
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	20	2.04
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	20	2.04
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	20	2.04
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	3	2.04
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	3	2.04
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	3	2.04
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	3	2.04
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	3	2.04
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	3	2.04
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	16	2.03
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	18	2.03
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	18	2.03
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	18	2.03
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	18	2.03
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	8	2.03
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	8	2.03
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	8	2.03
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	3	2.03
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	3	2.03
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	10	2.02
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	13	2.02
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	13	2.02
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	17	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	17	2.02
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	17	2.02
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	15	2.02
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	15	2.02
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	7	2.01
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	4	2.01
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	4	2.01
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	7	2.01
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	7	2.01
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	7	2.01
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	6	2.0
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	6	2.0
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	6	2.0
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	18	2.0
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	18	2.0
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	11	2.0
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	11	2.0
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	11	2.0
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	11	2.0
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	6	2.0
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	6	2.0
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	6	2.0
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	13	2.0
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	13	2.0
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	13	2.0
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	12	2.0
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	12	2.0
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	18	2.0
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	18	2.0
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	18	2.0
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	17	2.0
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	17	2.0
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	13	1.99
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	1	1.99
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	1	1.99
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	9	1.99
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	9	1.99
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	7	1.99
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	7	1.99
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	10	1.99
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	10	1.99
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	18	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	18	1.99
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	10	1.98
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	10	1.98
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	11	1.98
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	11	1.98
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	13	1.97
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	17	1.97
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	17	1.97
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	4	1.96
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	4	1.96
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	4	1.96
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	13	1.96
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	10	1.96
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	12	1.96
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	2	1.96
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	2	1.96
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	2	1.96
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	2	1.96
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	2	1.96
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	2	1.96
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	9	1.96
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	9	1.96
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	13	1.96
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	13	1.96
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	13	1.96
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	13	1.96
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	13	1.96
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	13	1.96
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	3	1.95
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	18	1.95
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	19	1.95
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	19	1.95
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	19	1.95
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	13	1.95
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	2	1.94
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	2	1.94
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	3	1.94
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	3	1.94
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	3	1.94
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	3	1.94
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	13	1.94
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	13	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	13	1.94
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	13	1.94
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	3	1.94
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	3	1.94
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	3	1.94
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	14	1.94
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	14	1.94
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	14	1.94
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	9	1.94
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	17	1.94
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	19	1.94
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	19	1.93
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	19	1.93
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	17	1.93
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	18	1.93
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	18	1.93
(1,1808)	1:80:A:CYS:HB2	1:111:A:MET:HG2	13	1.93
(1,1808)	1:80:A:CYS:HB3	1:111:A:MET:HG2	13	1.93
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	12	1.93
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	8	1.93
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	8	1.93
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	7	1.93
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	7	1.93
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	7	1.93
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	7	1.93
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	7	1.93
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	7	1.93
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	6	1.93
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	9	1.93
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	16	1.93
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	16	1.93
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	11	1.93
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	11	1.93
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	20	1.92
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	17	1.92
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	19	1.92
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	14	1.92
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	16	1.92
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	16	1.92
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	16	1.92
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	16	1.92
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	13	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	11	1.92
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	11	1.92
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	15	1.92
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	1	1.92
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	1	1.92
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	1	1.92
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	1	1.92
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	1	1.92
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	1	1.92
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	10	1.92
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	10	1.92
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	10	1.92
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	10	1.92
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	10	1.92
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	10	1.92
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	11	1.92
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	18	1.92
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	18	1.92
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	18	1.92
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	7	1.92
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	15	1.91
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	7	1.91
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	7	1.91
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	6	1.91
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	6	1.91
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	11	1.91
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	11	1.91
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	15	1.91
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	15	1.91
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	15	1.91
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	15	1.91
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	15	1.91
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	15	1.91
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	12	1.91
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	12	1.91
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	6	1.91
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	6	1.91
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	11	1.91
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	11	1.91
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	11	1.91
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	8	1.9
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	6	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	10	1.9
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	10	1.9
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	17	1.9
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	7	1.9
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	5	1.9
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	5	1.9
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	5	1.9
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	5	1.9
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	5	1.9
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	5	1.9
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	7	1.9
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	7	1.9
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	9	1.89
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	14	1.89
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	20	1.89
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	20	1.89
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	1	1.89
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	11	1.89
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	11	1.89
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	11	1.89
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	7	1.89
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	6	1.89
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	6	1.89
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	6	1.89
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	6	1.89
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	6	1.89
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	6	1.89
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	11	1.89
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	11	1.88
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	11	1.88
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	11	1.88
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	18	1.88
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	18	1.88
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	3	1.88
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	3	1.88
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	20	1.88
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	1	1.88
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	19	1.88
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	9	1.87
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	7	1.87
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	7	1.87
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	7	1.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	7	1.87
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	7	1.87
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	7	1.87
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	7	1.87
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	7	1.87
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	7	1.87
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	7	1.87
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	4	1.87
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	2	1.87
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	1	1.87
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	1	1.87
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	15	1.87
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	15	1.87
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	2	1.87
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	2	1.87
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	2	1.87
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	2	1.87
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	2	1.87
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	2	1.87
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	14	1.87
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	14	1.87
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	14	1.87
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	16	1.86
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	13	1.86
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	17	1.86
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	4	1.86
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	13	1.86
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	4	1.86
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	15	1.86
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	15	1.86
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	15	1.86
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	10	1.86
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	10	1.86
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	17	1.86
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	17	1.86
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	17	1.86
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	12	1.85
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	12	1.85
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	12	1.85
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	6	1.85
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	6	1.85
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	18	1.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	15	1.85
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	8	1.85
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	8	1.85
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	11	1.85
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	11	1.85
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	3	1.85
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	12	1.85
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	12	1.85
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	12	1.85
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	20	1.85
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	20	1.85
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	20	1.85
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	7	1.84
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	3	1.84
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	17	1.84
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	17	1.84
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	3	1.84
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	7	1.84
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	9	1.84
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	10	1.84
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	18	1.84
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	19	1.84
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	5	1.84
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	7	1.84
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	16	1.84
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	16	1.84
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	16	1.84
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	16	1.84
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	16	1.84
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	16	1.84
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	7	1.84
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	5	1.84
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	7	1.83
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	16	1.83
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	9	1.83
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	7	1.83
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	7	1.83
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	15	1.83
(1,1708)	1:142:A:ILE:HD11	1:143:A:GLU:HB3	9	1.83
(1,1708)	1:142:A:ILE:HD12	1:143:A:GLU:HB3	9	1.83
(1,1708)	1:142:A:ILE:HD13	1:143:A:GLU:HB3	9	1.83
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	8	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	17	1.83
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	20	1.83
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	18	1.83
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	18	1.83
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	2	1.83
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	2	1.83
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	2	1.83
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	3	1.83
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	3	1.83
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	3	1.83
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	1	1.82
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	4	1.82
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	1	1.82
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	5	1.82
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	12	1.82
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	13	1.82
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	16	1.82
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	18	1.82
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	11	1.82
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	9	1.82
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	9	1.82
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	7	1.82
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	20	1.82
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	20	1.82
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	4	1.82
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	4	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	4	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	4	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	4	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	9	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	9	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	9	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	18	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	18	1.82
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	18	1.82
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	20	1.81
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	13	1.81
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	8	1.81
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	12	1.81
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	18	1.81
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	11	1.81
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	11	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	17	1.81
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	14	1.81
(1,489)	1:160:A:VAL:HG11	1:164:A:ARG:HE	6	1.81
(1,489)	1:160:A:VAL:HG12	1:164:A:ARG:HE	6	1.81
(1,489)	1:160:A:VAL:HG13	1:164:A:ARG:HE	6	1.81
(1,489)	1:160:A:VAL:HG21	1:164:A:ARG:HE	6	1.81
(1,489)	1:160:A:VAL:HG22	1:164:A:ARG:HE	6	1.81
(1,489)	1:160:A:VAL:HG23	1:164:A:ARG:HE	6	1.81
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	6	1.81
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	6	1.81
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	6	1.81
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	11	1.8
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	1	1.8
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	1	1.8
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	1	1.8
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	19	1.8
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	19	1.8
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	19	1.8
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	16	1.8
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	16	1.8
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	17	1.8
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	17	1.8
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	6	1.8
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	2	1.8
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	9	1.8
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	14	1.8
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	3	1.8
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	3	1.8
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	3	1.8
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	3	1.8
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	9	1.8
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	9	1.8
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	14	1.8
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	14	1.8
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	1	1.8
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	1	1.8
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	1	1.8
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	11	1.79
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	17	1.79
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	2	1.79
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	2	1.79
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	2	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	2	1.79
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	6	1.79
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	15	1.79
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	8	1.79
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	8	1.79
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	8	1.79
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	8	1.79
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	8	1.79
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	8	1.79
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	13	1.79
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	13	1.79
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	9	1.79
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	9	1.79
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	9	1.79
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	9	1.79
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	9	1.79
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	9	1.79
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	8	1.78
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	11	1.78
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	2	1.78
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	9	1.78
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	17	1.78
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	17	1.78
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	7	1.78
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	7	1.78
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	7	1.78
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	7	1.78
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	7	1.78
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	7	1.78
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	10	1.78
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	10	1.78
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	10	1.78
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	5	1.78
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	5	1.78
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	5	1.78
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	10	1.78
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	10	1.78
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	10	1.78
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	20	1.77
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	10	1.77
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	10	1.77
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	10	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	10	1.77
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	5	1.77
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	5	1.77
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	16	1.77
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	16	1.77
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	16	1.77
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	19	1.77
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	19	1.77
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	19	1.77
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	15	1.76
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	6	1.76
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	6	1.76
(1,1239)	1:94:A:HIS:HE1	1:97:A:ARG:HD2	6	1.76
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	8	1.76
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	5	1.76
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	5	1.76
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	7	1.76
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	7	1.76
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	7	1.76
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	11	1.75
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	10	1.75
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	10	1.75
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	14	1.75
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	2	1.75
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	2	1.75
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	2	1.75
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	2	1.75
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	2	1.75
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	2	1.75
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	15	1.75
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	15	1.75
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	9	1.75
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	13	1.75
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	13	1.75
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	13	1.75
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	1	1.74
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	12	1.74
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	12	1.74
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	2	1.74
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	2	1.74
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	2	1.74
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	14	1.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	14	1.74
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	14	1.74
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	15	1.74
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	15	1.74
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	15	1.74
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	15	1.74
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	15	1.74
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	15	1.74
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	8	1.74
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	8	1.74
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	8	1.74
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG21	15	1.74
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG22	15	1.74
(1,50)	1:23:A:LEU:H	1:24:A:ILE:HG23	15	1.74
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	2	1.73
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	4	1.73
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	5	1.73
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	13	1.73
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	2	1.73
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	2	1.73
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	2	1.73
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	3	1.72
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	19	1.72
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	19	1.72
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	17	1.72
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	17	1.72
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	6	1.72
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	18	1.72
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	18	1.72
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	8	1.72
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	8	1.72
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	14	1.72
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	14	1.72
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	8	1.72
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	8	1.72
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	8	1.72
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	10	1.72
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	14	1.71
(1,3123)	1:119:A:ASP:HB2	1:147:A:LYS:HB3	18	1.71
(1,3123)	1:119:A:ASP:HB3	1:147:A:LYS:HB3	18	1.71
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	4	1.71
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	12	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	8	1.71
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	1	1.71
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	1	1.71
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	1	1.71
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	1	1.71
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	1	1.71
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	1	1.71
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	13	1.71
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	1	1.71
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	1	1.71
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	1	1.71
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	1	1.71
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	6	1.71
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	6	1.71
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	19	1.71
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	19	1.71
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	19	1.71
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	19	1.71
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	19	1.71
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	19	1.71
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	13	1.71
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	13	1.71
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	13	1.71
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	13	1.71
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	13	1.71
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	13	1.71
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	17	1.7
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	9	1.7
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	9	1.7
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	5	1.7
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	13	1.7
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	13	1.7
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	5	1.7
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	5	1.7
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	5	1.7
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	5	1.7
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	5	1.7
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	5	1.7
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	7	1.7
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	7	1.7
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	10	1.7
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	10	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	13	1.7
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	1	1.69
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	1	1.69
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	11	1.69
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	5	1.69
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	20	1.68
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	10	1.68
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	10	1.68
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	10	1.68
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	4	1.68
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	18	1.68
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	18	1.68
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	5	1.68
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	20	1.68
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	2	1.68
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	2	1.68
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	2	1.67
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	19	1.67
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	13	1.67
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	8	1.67
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	8	1.67
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	3	1.67
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	3	1.67
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	11	1.67
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	11	1.67
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	1	1.67
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	16	1.67
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	3	1.67
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	11	1.67
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	6	1.67
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	5	1.67
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	5	1.67
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	12	1.67
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	12	1.67
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	17	1.66
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	17	1.66
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	17	1.66
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	6	1.66
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	15	1.66
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	11	1.66
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	11	1.66
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	18	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	18	1.66
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	8	1.66
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	8	1.66
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	8	1.66
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	8	1.66
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	20	1.66
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	20	1.66
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	18	1.66
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	5	1.65
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	13	1.65
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	2	1.65
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	18	1.65
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	1	1.65
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	1	1.65
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	13	1.65
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	13	1.65
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	7	1.65
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	7	1.65
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	3	1.65
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	3	1.65
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	3	1.65
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	3	1.65
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	3	1.65
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	3	1.65
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	4	1.65
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	18	1.65
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	3	1.64
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	15	1.64
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	18	1.64
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	18	1.64
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	18	1.64
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	18	1.64
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	18	1.64
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	18	1.64
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	18	1.64
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	19	1.64
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	19	1.64
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	19	1.64
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	19	1.64
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	19	1.64
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	19	1.64
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	12	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	7	1.64
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	12	1.64
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	9	1.64
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	9	1.64
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	4	1.64
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	4	1.64
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	4	1.64
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	4	1.64
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	4	1.64
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	4	1.64
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	10	1.64
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	8	1.64
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	8	1.64
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG2	14	1.63
(1,3072)	1:126:A:ASP:H	1:128:A:LYS:HG3	14	1.63
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	18	1.63
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	18	1.63
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	16	1.63
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	16	1.63
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	16	1.63
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	14	1.63
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	14	1.63
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	10	1.63
(1,2060)	1:128:A:LYS:HG2	1:129:A:GLN:HG3	2	1.63
(1,2060)	1:128:A:LYS:HG3	1:129:A:GLN:HG3	2	1.63
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	18	1.63
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	18	1.63
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	11	1.63
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	12	1.63
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	19	1.63
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	19	1.63
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	19	1.63
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	19	1.63
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	18	1.63
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	18	1.63
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	18	1.63
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	1	1.63
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	1	1.63
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	10	1.62
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	11	1.62
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	11	1.62
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	13	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	16	1.62
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	16	1.62
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	17	1.62
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	17	1.62
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	17	1.62
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	17	1.62
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	14	1.62
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	17	1.62
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	17	1.62
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	9	1.62
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	7	1.62
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	7	1.62
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	13	1.62
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	13	1.62
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	6	1.62
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	15	1.62
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	15	1.62
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	19	1.62
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	19	1.62
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	13	1.62
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	13	1.62
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	8	1.61
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	19	1.61
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	17	1.61
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	17	1.61
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	16	1.61
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	16	1.61
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	11	1.61
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	5	1.61
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	1	1.61
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	8	1.61
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	8	1.61
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	6	1.6
(1,3123)	1:119:A:ASP:HB2	1:147:A:LYS:HB3	2	1.6
(1,3123)	1:119:A:ASP:HB3	1:147:A:LYS:HB3	2	1.6
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	12	1.6
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	15	1.6
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	15	1.6
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	15	1.6
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	15	1.6
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	11	1.6
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	11	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	1	1.6
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	1	1.6
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	6	1.6
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	19	1.6
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	19	1.6
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	1	1.6
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	3	1.6
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	5	1.6
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	5	1.6
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	5	1.6
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	5	1.6
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	5	1.6
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	5	1.6
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	1	1.6
(1,179)	1:19:A:LEU:HD11	1:81:A:VAL:HA	13	1.6
(1,179)	1:19:A:LEU:HD12	1:81:A:VAL:HA	13	1.6
(1,179)	1:19:A:LEU:HD13	1:81:A:VAL:HA	13	1.6
(1,179)	1:19:A:LEU:HD21	1:81:A:VAL:HA	13	1.6
(1,179)	1:19:A:LEU:HD22	1:81:A:VAL:HA	13	1.6
(1,179)	1:19:A:LEU:HD23	1:81:A:VAL:HA	13	1.6
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	14	1.6
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	14	1.6
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	14	1.6
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	14	1.6
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	14	1.6
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	14	1.6
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	1	1.59
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	9	1.59
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	12	1.59
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	12	1.59
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	12	1.59
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	14	1.59
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	14	1.59
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	17	1.59
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	17	1.59
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	20	1.59
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	16	1.59
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	16	1.59
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	16	1.59
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	12	1.59
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	12	1.59
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	2	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	2	1.59
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	3	1.59
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	3	1.59
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	16	1.59
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	16	1.59
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	16	1.59
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	16	1.59
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	16	1.59
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	16	1.59
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	16	1.59
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	16	1.59
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	16	1.59
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	16	1.59
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	16	1.59
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	16	1.59
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	4	1.58
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	4	1.58
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	19	1.58
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	4	1.58
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	4	1.58
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	3	1.58
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	3	1.58
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	15	1.58
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	15	1.58
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	15	1.58
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	4	1.58
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	9	1.58
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	9	1.58
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	9	1.58
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	9	1.58
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	9	1.58
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	9	1.58
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	18	1.57
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	18	1.57
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	10	1.57
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	10	1.57
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	2	1.57
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	2	1.57
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	2	1.57
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	3	1.57
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	3	1.57
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	3	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	7	1.57
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	12	1.57
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	12	1.57
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	6	1.57
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	2	1.57
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	2	1.57
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	20	1.57
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	14	1.57
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	4	1.57
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	15	1.56
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	13	1.56
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	5	1.56
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	7	1.56
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	11	1.56
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	17	1.56
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	9	1.56
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	9	1.56
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	20	1.56
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	20	1.56
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	20	1.56
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	20	1.56
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	14	1.56
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	14	1.56
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	14	1.56
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	16	1.56
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	16	1.56
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	14	1.56
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	11	1.55
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	11	1.55
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	11	1.55
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	11	1.55
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	11	1.55
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	11	1.55
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	19	1.55
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	19	1.55
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	7	1.55
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	8	1.55
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	15	1.55
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	15	1.55
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	15	1.55
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	20	1.55
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	20	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	6	1.55
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	6	1.55
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	5	1.55
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	5	1.55
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	5	1.55
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	16	1.55
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	12	1.55
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	12	1.55
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	5	1.55
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	5	1.55
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	4	1.55
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	4	1.55
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	19	1.55
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	9	1.54
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	9	1.54
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	9	1.54
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	9	1.54
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	9	1.54
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	9	1.54
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	9	1.54
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	5	1.54
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	10	1.54
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	10	1.54
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	16	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	1	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	1	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	2	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	2	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	5	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	5	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	7	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	7	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	8	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	8	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	10	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	10	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	11	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	11	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	15	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	15	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	17	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	17	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	19	1.54
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	19	1.54
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	6	1.54
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	6	1.54
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	6	1.54
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	1	1.54
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	1	1.54
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	1	1.54
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	20	1.54
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	20	1.54
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	20	1.54
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	9	1.53
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	9	1.53
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	20	1.53
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	14	1.53
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	5	1.53
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	5	1.53
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	8	1.53
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	8	1.53
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	17	1.53
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	17	1.53
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	18	1.53
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	3	1.53
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	3	1.53
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	12	1.53
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	12	1.53
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	3	1.53
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	3	1.53
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	6	1.53
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	13	1.52
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	13	1.52
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	10	1.52
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	12	1.52
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	17	1.52
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	17	1.52
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	3	1.52
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	15	1.52
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	15	1.52
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	9	1.52
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	9	1.52
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	9	1.52
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	9	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	9	1.52
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	9	1.52
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	1	1.52
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	1	1.52
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	10	1.52
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	10	1.52
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	12	1.52
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	12	1.52
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	12	1.52
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	12	1.52
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	12	1.52
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	12	1.52
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	17	1.51
(1,3125)	1:58:A:THR:HG21	1:68:A:ARG:HE	17	1.51
(1,3125)	1:58:A:THR:HG22	1:68:A:ARG:HE	17	1.51
(1,3125)	1:58:A:THR:HG23	1:68:A:ARG:HE	17	1.51
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	7	1.51
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	6	1.51
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	7	1.51
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	7	1.51
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	19	1.51
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	19	1.51
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	14	1.51
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	14	1.51
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	13	1.51
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	13	1.51
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	8	1.51
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	8	1.51
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	19	1.51
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	18	1.51
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	19	1.51
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	1	1.5
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	15	1.5
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	15	1.5
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	5	1.5
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	5	1.5
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	16	1.5
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	16	1.5
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	15	1.5
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	15	1.5
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	5	1.5
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	5	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	5	1.5
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	8	1.5
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	14	1.5
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	14	1.5
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	6	1.5
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	6	1.5
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	12	1.49
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	1	1.49
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	1	1.49
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	2	1.49
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	2	1.49
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	3	1.49
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	3	1.49
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	14	1.49
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	1	1.49
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	14	1.49
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	11	1.49
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	11	1.49
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	11	1.49
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	16	1.49
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	16	1.49
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	16	1.49
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	3	1.49
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	3	1.49
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	3	1.49
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	3	1.49
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	3	1.49
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	3	1.49
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	5	1.48
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	5	1.48
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	5	1.48
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	5	1.48
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	5	1.48
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	5	1.48
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	16	1.48
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	4	1.48
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	4	1.48
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	4	1.48
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	4	1.48
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	11	1.48
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	11	1.48
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	11	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	6	1.48
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	6	1.48
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	7	1.48
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	11	1.48
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	11	1.48
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	20	1.48
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	7	1.48
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	11	1.48
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	19	1.48
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	19	1.48
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB2	1	1.48
(1,711)	1:36:A:ILE:HD11	1:40:A:TYR:HB3	1	1.48
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB2	1	1.48
(1,711)	1:36:A:ILE:HD12	1:40:A:TYR:HB3	1	1.48
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB2	1	1.48
(1,711)	1:36:A:ILE:HD13	1:40:A:TYR:HB3	1	1.48
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	8	1.47
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	2	1.47
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	18	1.47
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	19	1.47
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	19	1.47
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	14	1.47
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	15	1.47
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	15	1.47
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	15	1.47
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	19	1.47
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	19	1.47
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	19	1.47
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	12	1.47
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	12	1.47
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	15	1.47
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	16	1.46
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	16	1.46
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	16	1.46
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	16	1.46
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	16	1.46
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	5	1.46
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	5	1.46
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	5	1.46
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	19	1.46
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	4	1.46
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	4	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	7	1.46
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	7	1.46
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	7	1.46
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	17	1.46
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	17	1.46
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	17	1.46
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	15	1.46
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	5	1.46
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	5	1.46
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	5	1.46
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	8	1.46
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	15	1.46
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	12	1.46
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	3	1.46
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	3	1.46
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	3	1.46
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	3	1.46
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	3	1.46
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	3	1.46
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	13	1.46
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	13	1.46
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	13	1.46
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	7	1.45
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	14	1.45
(1,2981)	1:59:A:ALA:H	1:68:A:ARG:HE	17	1.45
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	15	1.45
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	18	1.45
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	18	1.45
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	7	1.45
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	7	1.45
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	17	1.45
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	17	1.45
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	20	1.45
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	20	1.45
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	13	1.45
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	2	1.45
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	2	1.45
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	3	1.45
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	3	1.45
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	7	1.45
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	7	1.45
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	10	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	10	1.45
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	10	1.45
(1,3008)	1:58:A:THR:HB	1:68:A:ARG:HE	3	1.44
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	11	1.44
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	6	1.44
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	2	1.44
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	2	1.44
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	1	1.44
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	19	1.44
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	19	1.44
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	19	1.44
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	9	1.44
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	9	1.44
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	18	1.44
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	18	1.44
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	2	1.44
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	2	1.44
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	2	1.44
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	12	1.44
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	12	1.44
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	12	1.44
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	12	1.44
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	6	1.44
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	6	1.44
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	6	1.44
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	6	1.44
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	6	1.44
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	6	1.44
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	13	1.43
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	10	1.43
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	20	1.43
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	11	1.43
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	10	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	10	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	10	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	16	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	16	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	19	1.43
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	19	1.43
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	9	1.43
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	4	1.43
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	4	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	4	1.43
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	17	1.43
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	17	1.43
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	17	1.43
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	18	1.43
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	20	1.43
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	12	1.43
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	12	1.43
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	12	1.43
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	20	1.43
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	4	1.43
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	4	1.43
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	4	1.43
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	4	1.43
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	4	1.43
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	4	1.43
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	20	1.43
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	20	1.43
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	20	1.43
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	20	1.43
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	20	1.43
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	20	1.43
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	20	1.42
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	20	1.42
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	15	1.42
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	15	1.42
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	9	1.42
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	9	1.42
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	8	1.42
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	8	1.42
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	3	1.42
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	3	1.42
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	3	1.42
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	14	1.42
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	18	1.42
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	8	1.42
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	20	1.42
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	20	1.42
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	14	1.42
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	14	1.42
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	14	1.42
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	10	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	15	1.41
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	11	1.41
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	11	1.41
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	8	1.41
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	8	1.41
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	16	1.41
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	14	1.41
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	14	1.41
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	14	1.41
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	19	1.41
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	19	1.41
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	19	1.41
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	19	1.41
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	14	1.41
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	6	1.41
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	6	1.41
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	16	1.41
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	16	1.41
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	16	1.41
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	16	1.41
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	17	1.41
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	17	1.41
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	17	1.41
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	13	1.4
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	19	1.4
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	7	1.4
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	7	1.4
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	12	1.4
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	12	1.4
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	12	1.4
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	12	1.4
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	18	1.4
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	18	1.4
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	13	1.4
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	17	1.4
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	17	1.4
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	17	1.4
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	19	1.4
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	19	1.4
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	19	1.4
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	8	1.4
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	8	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	8	1.4
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	13	1.4
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	13	1.4
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	13	1.4
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	13	1.4
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	13	1.4
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	13	1.4
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	13	1.4
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	13	1.4
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	13	1.4
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	13	1.4
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	13	1.4
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	13	1.4
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	1	1.39
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	11	1.39
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	13	1.39
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	7	1.39
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	7	1.39
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	7	1.39
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	7	1.39
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	7	1.39
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	7	1.39
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	16	1.39
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	14	1.39
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	14	1.39
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	14	1.39
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	16	1.39
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	2	1.39
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	2	1.39
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	6	1.39
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	6	1.39
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	10	1.39
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	10	1.39
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	12	1.39
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	5	1.39
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	5	1.39
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	5	1.39
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	13	1.39
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	13	1.39
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	13	1.39
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	13	1.39
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	14	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	14	1.39
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	14	1.39
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	14	1.39
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	14	1.39
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	14	1.39
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	4	1.39
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	4	1.39
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	4	1.39
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	4	1.39
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	6	1.39
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	6	1.39
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	7	1.39
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	7	1.39
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	7	1.39
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	17	1.38
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	15	1.38
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	17	1.38
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	18	1.38
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	18	1.38
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	18	1.38
(1,2100)	1:13:A:GLY:H	1:15:A:GLY:H	6	1.38
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	4	1.38
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	4	1.38
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	8	1.38
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	8	1.38
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	8	1.38
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	15	1.38
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	15	1.38
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	15	1.38
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	18	1.38
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	18	1.38
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	18	1.38
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	18	1.38
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	3	1.38
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	18	1.38
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	18	1.38
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	7	1.38
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	7	1.38
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	7	1.37
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	6	1.37
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	11	1.37
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	15	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	3	1.37
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	3	1.37
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	13	1.37
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	13	1.37
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	8	1.37
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	9	1.37
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	9	1.37
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	20	1.37
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	20	1.37
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	15	1.37
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	15	1.37
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	17	1.37
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	17	1.37
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	17	1.37
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	17	1.37
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	17	1.37
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	17	1.37
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	13	1.37
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	13	1.37
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	13	1.37
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	13	1.37
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	13	1.37
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	13	1.37
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	18	1.37
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	18	1.37
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	18	1.37
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	18	1.37
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	18	1.37
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	18	1.37
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	1	1.37
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	16	1.37
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	20	1.37
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	20	1.37
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	20	1.37
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	18	1.37
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	18	1.37
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	18	1.37
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	18	1.37
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	18	1.37
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	18	1.37
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	19	1.36
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	13	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	19	1.36
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	19	1.36
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	19	1.36
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	19	1.36
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	12	1.36
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	12	1.36
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	3	1.36
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	12	1.36
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	12	1.36
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	3	1.36
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	3	1.36
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	11	1.36
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	11	1.36
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	11	1.36
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	11	1.36
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	11	1.36
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	11	1.36
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	11	1.36
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	14	1.36
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	14	1.36
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	14	1.36
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	14	1.36
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	11	1.36
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	5	1.35
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	5	1.35
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	5	1.35
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	9	1.35
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	17	1.35
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	6	1.35
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	6	1.35
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	8	1.35
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	15	1.35
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	9	1.35
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	18	1.35
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	18	1.35
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	13	1.35
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	13	1.35
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	18	1.35
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	1	1.35
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	1	1.35
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	4	1.35
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	7	1.35
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	15	1.35
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	15	1.35
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	1	1.35
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	1	1.35
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	1	1.35
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	1	1.35
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	1	1.35
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	1	1.35
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	13	1.35
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	13	1.35
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	13	1.35
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	13	1.35
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	13	1.35
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	13	1.35
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	12	1.35
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	12	1.35
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	12	1.35
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	12	1.35
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	12	1.35
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	12	1.35
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	6	1.35
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	6	1.35
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	6	1.35
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	6	1.35
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	6	1.35
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	6	1.35
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	4	1.35
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	4	1.35
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	4	1.35
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	4	1.35
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	4	1.35
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	4	1.35
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	4	1.35
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	4	1.35
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	4	1.35
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	4	1.35
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	4	1.35
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	4	1.35
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	18	1.34
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	18	1.34
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	18	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	14	1.34
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	14	1.34
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	14	1.34
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	14	1.34
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	7	1.34
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	20	1.34
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	20	1.34
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	17	1.34
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	7	1.34
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	7	1.34
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	10	1.34
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	10	1.34
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	6	1.34
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	6	1.34
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	6	1.34
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	6	1.34
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	15	1.34
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	14	1.34
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	14	1.34
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	20	1.34
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	20	1.34
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	20	1.34
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	20	1.34
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	20	1.34
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	20	1.34
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	13	1.33
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	13	1.33
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	13	1.33
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	17	1.33
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	17	1.33
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	17	1.33
(1,3008)	1:58:A:THR:HB	1:68:A:ARG:HE	17	1.33
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	3	1.33
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	3	1.33
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	3	1.33
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	19	1.33
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	19	1.33
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	16	1.33
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	16	1.33
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	12	1.33
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	4	1.33
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	4	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	1	1.33
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	1	1.33
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	11	1.33
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	11	1.33
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	10	1.33
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	10	1.33
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	10	1.33
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	10	1.33
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	10	1.33
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	10	1.33
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	10	1.33
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	10	1.33
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	10	1.33
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	16	1.33
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	16	1.33
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	12	1.33
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	12	1.33
(1,621)	1:78:A:PHE:HZ	1:104:A:LYS:HD2	4	1.33
(1,621)	1:78:A:PHE:HZ	1:104:A:LYS:HD3	4	1.33
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	19	1.33
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	19	1.33
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	19	1.33
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	19	1.33
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	19	1.33
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	19	1.33
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	18	1.32
(1,3123)	1:119:A:ASP:HB2	1:147:A:LYS:HB3	9	1.32
(1,3123)	1:119:A:ASP:HB3	1:147:A:LYS:HB3	9	1.32
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	4	1.32
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	15	1.32
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	15	1.32
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	15	1.32
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	9	1.32
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	9	1.32
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	9	1.32
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	5	1.32
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	5	1.32
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	15	1.32
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	15	1.32
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	2	1.32
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	9	1.32
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	9	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	9	1.32
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	18	1.32
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	18	1.32
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	18	1.32
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	18	1.32
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	18	1.32
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	18	1.32
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	20	1.32
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	20	1.32
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	11	1.31
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	11	1.31
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	11	1.31
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	19	1.31
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	19	1.31
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	19	1.31
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	1	1.31
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	1	1.31
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	1	1.31
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	1	1.31
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	1	1.31
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	1	1.31
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	10	1.31
(1,2454)	1:162:A:GLU:HB2	1:165:A:LYS:HG2	9	1.31
(1,2454)	1:162:A:GLU:HB3	1:165:A:LYS:HG2	9	1.31
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	11	1.31
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	2	1.31
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	10	1.31
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	10	1.31
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	10	1.31
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	10	1.31
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	6	1.31
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	6	1.31
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	6	1.31
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	6	1.31
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	5	1.31
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	5	1.31
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	5	1.31
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	5	1.31
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	10	1.31
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	10	1.31
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	10	1.31
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	10	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	4	1.31
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	1	1.31
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	16	1.3
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	5	1.3
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	5	1.3
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	5	1.3
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	5	1.3
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	5	1.3
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	5	1.3
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	2	1.3
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	9	1.3
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD2	16	1.3
(1,2431)	1:163:A:ILE:HA	1:164:A:ARG:HD3	16	1.3
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	10	1.3
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	10	1.3
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	11	1.3
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	11	1.3
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	8	1.3
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	8	1.3
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	2	1.3
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	2	1.3
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	14	1.3
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	14	1.3
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	14	1.3
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	11	1.3
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	11	1.3
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	15	1.3
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	15	1.3
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	12	1.3
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	12	1.3
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	12	1.3
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	12	1.3
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	12	1.3
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	12	1.3
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	18	1.3
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	18	1.3
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	18	1.3
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	18	1.3
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	18	1.3
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	18	1.3
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	15	1.3
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	15	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	15	1.3
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	15	1.3
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	15	1.3
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	15	1.3
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	12	1.3
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	12	1.3
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	12	1.3
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	8	1.3
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	4	1.3
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	4	1.3
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	4	1.3
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	9	1.3
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	9	1.3
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	9	1.3
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	19	1.3
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	2	1.3
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	2	1.3
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	6	1.3
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	6	1.3
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	6	1.3
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	6	1.3
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	6	1.3
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	6	1.3
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	3	1.29
(1,3198)	1:109:A:VAL:HA	1:166:A:HIS:HD2	12	1.29
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	8	1.29
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	8	1.29
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	8	1.29
(1,2876)	1:149:A:ARG:HG2	1:150:A:GLN:HE21	2	1.29
(1,2876)	1:149:A:ARG:HG3	1:150:A:GLN:HE21	2	1.29
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	7	1.29
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	7	1.29
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	4	1.29
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	13	1.29
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	13	1.29
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	13	1.29
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	8	1.29
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	8	1.29
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	9	1.29
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	9	1.29
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	9	1.29
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	5	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	7	1.29
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	2	1.29
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	2	1.29
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	12	1.29
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	12	1.29
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	12	1.29
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	12	1.29
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	12	1.29
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	12	1.29
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	10	1.29
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	1	1.28
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	1	1.28
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	7	1.28
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	1	1.28
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	11	1.28
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	11	1.28
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	11	1.28
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	11	1.28
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	11	1.28
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	11	1.28
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	9	1.28
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	9	1.28
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	9	1.28
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	5	1.28
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	5	1.28
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	7	1.28
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	7	1.28
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	7	1.28
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	16	1.28
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	17	1.28
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	6	1.28
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	6	1.28
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	6	1.28
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	6	1.28
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	6	1.28
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	16	1.27
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	16	1.27
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	16	1.27
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	4	1.27
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	4	1.27
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	4	1.27
(1,2642)	1:123:A:ARG:HE	1:126:A:ASP:HB2	9	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2642)	1:123:A:ARG:HE	1:126:A:ASP:HB3	9	1.27
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	13	1.27
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	13	1.27
(1,2439)	1:164:A:ARG:HA	1:167:A:LYS:HB2	3	1.27
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	4	1.27
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	8	1.27
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	8	1.27
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	18	1.27
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	18	1.27
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	16	1.27
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	14	1.27
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	14	1.27
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	14	1.27
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	11	1.27
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	11	1.27
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	11	1.27
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	15	1.27
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	18	1.27
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	12	1.27
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	13	1.27
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	13	1.27
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	13	1.27
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	16	1.27
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	16	1.27
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	16	1.27
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	14	1.27
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	14	1.27
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	7	1.27
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	7	1.27
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	7	1.27
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	14	1.27
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	14	1.27
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	14	1.27
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	9	1.26
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	10	1.26
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	10	1.26
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	10	1.26
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	12	1.26
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	12	1.26
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	12	1.26
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	14	1.26
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	8	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	8	1.26
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	8	1.26
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	8	1.26
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	8	1.26
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	16	1.26
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	16	1.26
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	6	1.26
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	6	1.26
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	6	1.26
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	12	1.26
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	12	1.26
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	12	1.26
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	14	1.26
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	14	1.26
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	15	1.26
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	15	1.26
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	15	1.26
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	15	1.26
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	14	1.26
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	14	1.26
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	8	1.26
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	2	1.26
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	2	1.26
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD2	14	1.26
(1,1705)	1:104:A:LYS:HA	1:104:A:LYS:HD3	14	1.26
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG2	20	1.26
(1,1652)	1:95:A:HIS:HA	1:99:A:GLN:HG3	20	1.26
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	7	1.26
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	7	1.26
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	4	1.26
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	4	1.26
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	4	1.26
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	4	1.26
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	19	1.26
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	19	1.26
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	19	1.26
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	19	1.26
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	19	1.26
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	19	1.26
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	20	1.26
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	20	1.26
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	20	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	20	1.26
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	20	1.26
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	20	1.26
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	14	1.26
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	14	1.26
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	14	1.26
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	14	1.26
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	14	1.26
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	14	1.26
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	4	1.26
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	6	1.26
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	10	1.26
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	10	1.26
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	10	1.26
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	17	1.26
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	17	1.26
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	17	1.26
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	19	1.26
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	19	1.26
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	19	1.26
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	3	1.26
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	3	1.26
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	13	1.26
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	13	1.26
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	8	1.25
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	13	1.25
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	13	1.25
(1,2892)	1:21:A:ILE:HG13	1:25:A:GLN:HB2	18	1.25
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	13	1.25
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	13	1.25
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	13	1.25
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	13	1.25
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	13	1.25
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	13	1.25
(1,2668)	1:99:A:GLN:HA	1:102:A:ARG:HE	5	1.25
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	4	1.25
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	4	1.25
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	17	1.25
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	4	1.25
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	4	1.25
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	4	1.25
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	8	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	8	1.25
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	8	1.25
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	8	1.25
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	13	1.25
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	13	1.25
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	13	1.25
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	10	1.25
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	10	1.25
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	7	1.25
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	7	1.25
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	7	1.25
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	9	1.25
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	9	1.25
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	9	1.25
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	17	1.25
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	17	1.25
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	17	1.25
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	17	1.25
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	17	1.25
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	17	1.25
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	2	1.24
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	2	1.24
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	2	1.24
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	2	1.24
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	2	1.24
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	2	1.24
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	2	1.24
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	2	1.24
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	2	1.24
(1,2642)	1:123:A:ARG:HE	1:126:A:ASP:HB2	14	1.24
(1,2642)	1:123:A:ARG:HE	1:126:A:ASP:HB3	14	1.24
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	3	1.24
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	3	1.24
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	12	1.24
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	12	1.24
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	1	1.24
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	12	1.24
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	16	1.24
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	20	1.24
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	4	1.24
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	4	1.24
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	4	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	4	1.24
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	4	1.24
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	4	1.24
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	8	1.24
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	11	1.24
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	4	1.24
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	4	1.24
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	4	1.24
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	4	1.24
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	4	1.24
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	4	1.24
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	4	1.24
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	13	1.24
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	13	1.24
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	19	1.24
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	10	1.24
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	10	1.24
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	10	1.24
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	13	1.24
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	13	1.24
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	4	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	4	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	4	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	7	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	7	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	7	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	20	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	20	1.23
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	20	1.23
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	20	1.23
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	18	1.23
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	18	1.23
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	18	1.23
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	18	1.23
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	14	1.23
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	14	1.23
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	18	1.23
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	2	1.23
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	2	1.23
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	1	1.23
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	8	1.23
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	8	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	5	1.23
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	5	1.23
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	10	1.23
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	10	1.23
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	10	1.23
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	12	1.23
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	12	1.23
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	12	1.23
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	9	1.23
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	7	1.23
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	7	1.23
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	7	1.23
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	1	1.23
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	17	1.23
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	17	1.23
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	11	1.23
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	11	1.23
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	4	1.22
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	17	1.22
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	6	1.22
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	1	1.22
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	1	1.22
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	1	1.22
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	15	1.22
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	15	1.22
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	15	1.22
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	5	1.22
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	5	1.22
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	5	1.22
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	15	1.22
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	7	1.22
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	20	1.22
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	20	1.22
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	16	1.22
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	16	1.22
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	16	1.22
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	19	1.22
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	19	1.22
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	7	1.22
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	7	1.22
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	9	1.22
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	9	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	9	1.22
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	9	1.22
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	9	1.22
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	9	1.22
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	11	1.22
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	11	1.22
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	11	1.22
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	11	1.22
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	11	1.22
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	11	1.22
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	1	1.22
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	1	1.22
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	1	1.22
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	7	1.22
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	7	1.22
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	7	1.22
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	18	1.22
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	18	1.22
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	18	1.22
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	15	1.22
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	15	1.22
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	15	1.22
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	15	1.22
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	8	1.22
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	8	1.22
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	8	1.22
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	8	1.22
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	8	1.22
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	8	1.22
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	19	1.21
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	19	1.21
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	19	1.21
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	19	1.21
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	19	1.21
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	19	1.21
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	5	1.21
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	14	1.21
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	14	1.21
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	14	1.21
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	6	1.21
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	13	1.21
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	13	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	13	1.21
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	18	1.21
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	5	1.21
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	13	1.21
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	16	1.21
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	16	1.21
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	1	1.21
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	1	1.21
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	1	1.21
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	1	1.21
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	7	1.21
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	7	1.21
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	7	1.21
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	7	1.21
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	7	1.21
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	7	1.21
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	14	1.21
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	14	1.21
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	14	1.21
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	1	1.21
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	1	1.21
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	1	1.21
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	9	1.21
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	1	1.21
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	1	1.21
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	1	1.21
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	7	1.21
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	7	1.21
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	7	1.21
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	12	1.21
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	19	1.2
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	5	1.2
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	5	1.2
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	5	1.2
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	10	1.2
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	10	1.2
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	10	1.2
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	13	1.2
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	15	1.2
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	15	1.2
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	11	1.2
(1,1971)	1:6:A:LEU:HB2	1:78:A:PHE:HA	13	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1971)	1:6:A:LEU:HB3	1:78:A:PHE:HA	13	1.2
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	10	1.2
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	16	1.2
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	4	1.2
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	4	1.2
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	1	1.2
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	1	1.2
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	2	1.2
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	2	1.2
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	5	1.2
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	8	1.2
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	13	1.2
(1,860)	1:41:A:ARG:HG2	1:53:A:LEU:H	18	1.2
(1,860)	1:41:A:ARG:HG3	1:53:A:LEU:H	18	1.2
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	18	1.2
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	18	1.2
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	4	1.2
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	4	1.2
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	4	1.2
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	4	1.2
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	4	1.2
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	4	1.2
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	4	1.2
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	12	1.19
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	12	1.19
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	3	1.19
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	3	1.19
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	3	1.19
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	4	1.19
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	4	1.19
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	4	1.19
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	4	1.19
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	4	1.19
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	4	1.19
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	4	1.19
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	9	1.19
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	4	1.19
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	4	1.19
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	4	1.19
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	4	1.19
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	2	1.19
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	5	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	14	1.19
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	14	1.19
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	14	1.19
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	14	1.19
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	14	1.19
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	14	1.19
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	1	1.19
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	5	1.19
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	5	1.19
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	5	1.19
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	5	1.19
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	5	1.19
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	5	1.19
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	19	1.19
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	19	1.19
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	5	1.19
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	5	1.19
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	5	1.19
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	2	1.19
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	20	1.19
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	20	1.19
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	17	1.18
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	17	1.18
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	17	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	18	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	18	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	18	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	18	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	18	1.18
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	18	1.18
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	9	1.18
(1,3125)	1:58:A:THR:HG21	1:68:A:ARG:HE	3	1.18
(1,3125)	1:58:A:THR:HG22	1:68:A:ARG:HE	3	1.18
(1,3125)	1:58:A:THR:HG23	1:68:A:ARG:HE	3	1.18
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	9	1.18
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	9	1.18
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	9	1.18
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	14	1.18
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	14	1.18
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	14	1.18
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	14	1.18
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	14	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	14	1.18
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	8	1.18
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	8	1.18
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	8	1.18
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	20	1.18
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	20	1.18
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	20	1.18
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	3	1.18
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	20	1.18
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	3	1.18
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	8	1.18
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	16	1.18
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	16	1.18
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	16	1.18
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	16	1.18
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	16	1.18
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	16	1.18
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	16	1.18
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	18	1.18
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	12	1.18
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	12	1.18
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	20	1.18
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	20	1.18
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	15	1.18
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	15	1.18
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	3	1.18
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	3	1.18
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	3	1.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	13	1.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	13	1.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	13	1.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	13	1.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	13	1.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	13	1.18
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	4	1.18
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	4	1.18
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	4	1.18
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	4	1.18
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	4	1.18
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	4	1.18
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	7	1.18
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	10	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	10	1.18
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	10	1.18
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	19	1.18
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	19	1.18
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	19	1.18
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	19	1.18
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	19	1.18
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	19	1.18
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	17	1.18
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	17	1.18
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	17	1.18
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	17	1.18
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	17	1.18
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	17	1.18
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	17	1.17
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	17	1.17
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	17	1.17
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	8	1.17
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	8	1.17
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	8	1.17
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	9	1.17
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	1	1.17
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	1	1.17
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	1	1.17
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	18	1.17
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	18	1.17
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	9	1.17
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	9	1.17
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	9	1.17
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	9	1.17
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	11	1.17
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	11	1.17
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	3	1.17
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	3	1.17
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	1	1.17
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	1	1.17
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	1	1.17
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	1	1.17
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	7	1.17
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	7	1.17
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	7	1.17
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	7	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	10	1.17
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	10	1.17
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	10	1.17
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	19	1.17
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	19	1.17
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	19	1.17
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	19	1.17
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	19	1.17
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	19	1.17
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	9	1.17
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	11	1.17
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	11	1.17
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	11	1.17
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	3	1.16
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	3	1.16
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	3	1.16
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	3	1.16
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	3	1.16
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	3	1.16
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	19	1.16
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	19	1.16
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	19	1.16
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	14	1.16
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	14	1.16
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	20	1.16
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	20	1.16
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	20	1.16
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	10	1.16
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	10	1.16
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	4	1.16
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	10	1.16
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	10	1.16
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	10	1.16
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	3	1.16
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	3	1.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	18	1.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	18	1.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	18	1.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	18	1.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	18	1.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	18	1.16
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	3	1.16
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	3	1.16
(1,1415)	1:77:A:GLY:HA2	1:111:A:MET:HG3	18	1.16
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	10	1.16
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	1	1.16
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	19	1.16
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	19	1.16
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	19	1.16
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	7	1.16
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	9	1.16
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	14	1.16
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	4	1.16
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	4	1.16
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	4	1.16
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	4	1.16
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	3	1.16
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	3	1.16
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	20	1.15
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG21	6	1.15
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG22	6	1.15
(1,3122)	1:1:A:MET:HA	1:2:A:THR:HG23	6	1.15
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	10	1.15
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	10	1.15
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	5	1.15
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	5	1.15
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	5	1.15
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	2	1.15
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	13	1.15
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	13	1.15
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	13	1.15
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	12	1.15
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	6	1.15
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	6	1.15
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	6	1.15
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	13	1.15
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	13	1.15
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	13	1.15
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	13	1.15
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	7	1.15
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	7	1.15
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	7	1.15
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	16	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	16	1.15
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	16	1.15
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	8	1.15
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	8	1.15
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	13	1.15
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	13	1.15
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	4	1.15
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	4	1.15
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	4	1.15
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	4	1.15
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	11	1.15
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	11	1.15
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	11	1.15
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	15	1.15
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	15	1.15
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	15	1.15
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	20	1.15
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	20	1.15
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	10	1.15
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	10	1.15
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	14	1.15
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	15	1.15
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	19	1.14
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	19	1.14
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	19	1.14
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	18	1.14
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	18	1.14
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	16	1.14
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	16	1.14
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	15	1.14
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	4	1.14
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	9	1.14
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	9	1.14
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	9	1.14
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	3	1.14
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	3	1.14
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	10	1.14
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	2	1.14
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	2	1.14
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	2	1.14
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	10	1.14
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	10	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	10	1.14
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	17	1.14
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	17	1.14
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	17	1.14
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	19	1.14
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	19	1.14
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	19	1.14
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	3	1.14
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	12	1.14
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	12	1.14
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	12	1.14
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG21	6	1.14
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG22	6	1.14
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG23	6	1.14
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	8	1.14
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	8	1.14
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	8	1.14
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	13	1.14
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	13	1.14
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	13	1.14
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	17	1.14
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	17	1.14
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	17	1.14
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	19	1.14
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	19	1.14
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	19	1.14
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	1	1.14
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	9	1.14
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	9	1.14
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	9	1.14
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	9	1.14
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	9	1.14
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	9	1.14
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	18	1.14
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	18	1.14
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	18	1.14
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	2	1.14
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	2	1.14
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	2	1.14
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	2	1.14
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	12	1.14
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	12	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	12	1.14
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	19	1.14
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	19	1.14
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	8	1.13
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	13	1.13
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	9	1.13
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	9	1.13
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	2	1.13
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	2	1.13
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	2	1.13
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	10	1.13
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	13	1.13
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	13	1.13
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	16	1.13
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	16	1.13
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	15	1.13
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	15	1.13
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	10	1.13
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	10	1.13
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	10	1.13
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	12	1.13
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	12	1.13
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	12	1.13
(1,2100)	1:13:A:GLY:H	1:15:A:GLY:H	12	1.13
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	5	1.13
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	5	1.13
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	4	1.13
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	4	1.13
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	4	1.13
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	11	1.13
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	11	1.13
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	9	1.13
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	9	1.13
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	15	1.13
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	15	1.13
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	15	1.13
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	15	1.13
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	20	1.13
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	20	1.13
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	20	1.13
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	9	1.13
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	9	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	9	1.13
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	16	1.13
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	16	1.13
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	16	1.13
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	11	1.13
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	11	1.13
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	6	1.13
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	6	1.13
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	6	1.13
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	6	1.13
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	6	1.13
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	6	1.13
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	19	1.12
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	19	1.12
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	7	1.12
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	20	1.12
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	7	1.12
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	7	1.12
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	7	1.12
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	6	1.12
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	6	1.12
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	19	1.12
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	11	1.12
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	11	1.12
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	11	1.12
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	13	1.12
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	13	1.12
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	13	1.12
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	14	1.12
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	14	1.12
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	14	1.12
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	5	1.12
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	5	1.12
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	18	1.12
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	18	1.12
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	15	1.12
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	15	1.12
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	15	1.12
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	8	1.12
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	8	1.12
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	20	1.12
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	3	1.12
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	3	1.12
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	2	1.12
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	2	1.12
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	2	1.12
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	5	1.12
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	5	1.12
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	5	1.12
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	4	1.12
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	7	1.12
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	2	1.12
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	2	1.12
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	6	1.12
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	17	1.12
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	17	1.12
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	17	1.12
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	3	1.12
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	12	1.12
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	12	1.12
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	12	1.12
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	12	1.12
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	9	1.12
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	9	1.12
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	1	1.12
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	1	1.12
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	19	1.12
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	1	1.11
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	18	1.11
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	18	1.11
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	20	1.11
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	12	1.11
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	12	1.11
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	12	1.11
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	12	1.11
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	12	1.11
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	12	1.11
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	20	1.11
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	20	1.11
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	20	1.11
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	2	1.11
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	2	1.11
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	3	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	3	1.11
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	3	1.11
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	11	1.11
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	9	1.11
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	9	1.11
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	5	1.11
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	5	1.11
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	5	1.11
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	20	1.11
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	20	1.11
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	20	1.11
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	11	1.11
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	11	1.11
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	11	1.11
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	11	1.11
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	19	1.11
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	19	1.11
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	12	1.11
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	12	1.11
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	12	1.11
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	12	1.11
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	12	1.11
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	12	1.11
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	7	1.11
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	20	1.11
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	11	1.11
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	11	1.11
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	6	1.11
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	6	1.11
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	6	1.11
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	6	1.11
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	6	1.11
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	6	1.11
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	9	1.11
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	9	1.11
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	9	1.11
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	9	1.11
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	9	1.11
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	9	1.11
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	9	1.11
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	9	1.11
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	9	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	9	1.11
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	9	1.11
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	9	1.11
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	9	1.11
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	9	1.11
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	9	1.11
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	9	1.11
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	9	1.11
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	9	1.11
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	7	1.11
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	7	1.11
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	7	1.11
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	7	1.11
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	7	1.11
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	7	1.11
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	10	1.11
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	10	1.11
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	11	1.11
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	11	1.11
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	5	1.11
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	5	1.11
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	5	1.11
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	12	1.11
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	12	1.11
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	10	1.11
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	10	1.11
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	19	1.11
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	19	1.11
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	19	1.1
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	19	1.1
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	7	1.1
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	17	1.1
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	17	1.1
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	17	1.1
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	18	1.1
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	18	1.1
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	1	1.1
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	1	1.1
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	1	1.1
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	9	1.1
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	9	1.1
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	9	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	8	1.1
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	8	1.1
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	8	1.1
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	8	1.1
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	2	1.1
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	2	1.1
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	2	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	2	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	2	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	2	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	3	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	3	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	3	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	6	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	6	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	6	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	9	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	9	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	9	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	19	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	19	1.1
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	19	1.1
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	18	1.1
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	18	1.1
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	18	1.1
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	18	1.1
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	2	1.1
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	6	1.1
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	17	1.1
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	4	1.1
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	4	1.1
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	12	1.1
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	13	1.1
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	13	1.1
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	13	1.1
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	1	1.1
(1,1160)	1:55:A:ILE:HG13	1:156:A:PHE:HZ	15	1.1
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	5	1.1
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	4	1.1
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	6	1.1
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	6	1.1
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	13	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	13	1.09
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	13	1.09
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	13	1.09
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	13	1.09
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	13	1.09
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	10	1.09
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	16	1.09
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	8	1.09
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	8	1.09
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	8	1.09
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	15	1.09
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	15	1.09
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	15	1.09
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	8	1.09
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	8	1.09
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	15	1.09
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	15	1.09
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	19	1.09
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	2	1.09
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	2	1.09
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	13	1.09
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	15	1.09
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	15	1.09
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	15	1.09
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	3	1.09
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	3	1.09
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	3	1.09
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	10	1.09
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	10	1.09
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	10	1.09
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	6	1.09
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	6	1.09
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	20	1.09
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	20	1.09
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	20	1.09
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	20	1.09
(1,1974)	1:42:A:LYS:HG2	1:43:A:GLN:HA	7	1.09
(1,1974)	1:42:A:LYS:HG3	1:43:A:GLN:HA	7	1.09
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	1	1.09
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	1	1.09
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	6	1.09
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	16	1.09
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	16	1.09
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	15	1.09
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	9	1.09
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	18	1.09
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	3	1.09
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	3	1.09
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	8	1.09
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	8	1.09
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	14	1.09
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	14	1.09
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	14	1.09
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	14	1.09
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	14	1.09
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	14	1.09
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	1	1.09
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	1	1.09
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	1	1.09
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	1	1.09
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	1	1.09
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	1	1.09
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	18	1.09
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	12	1.09
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	12	1.09
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	12	1.09
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	12	1.09
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	12	1.09
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	12	1.09
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	12	1.09
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	12	1.09
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	12	1.09
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	12	1.09
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	12	1.09
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	12	1.09
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	12	1.09
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	12	1.09
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	12	1.09
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	12	1.09
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	12	1.09
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	12	1.09
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	14	1.09
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	14	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	14	1.09
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	14	1.09
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	17	1.09
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	8	1.09
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	8	1.09
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	2	1.08
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	14	1.08
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	14	1.08
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	14	1.08
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	5	1.08
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	19	1.08
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE2	8	1.08
(1,2472)	1:128:A:LYS:H	1:128:A:LYS:HE3	8	1.08
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	7	1.08
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	3	1.08
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	6	1.08
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	6	1.08
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	17	1.08
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	17	1.08
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	10	1.08
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	16	1.08
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	19	1.08
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	18	1.08
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	18	1.08
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	2	1.08
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	2	1.08
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	2	1.08
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	2	1.08
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	2	1.08
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	2	1.08
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	17	1.08
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	17	1.08
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	17	1.08
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	17	1.08
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	17	1.08
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	17	1.08
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	5	1.08
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	5	1.08
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	5	1.08
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	5	1.08
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	5	1.08
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	5	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	17	1.08
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	9	1.08
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	9	1.08
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	9	1.08
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	9	1.08
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	9	1.08
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	9	1.08
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	9	1.08
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	9	1.08
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	9	1.08
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	1	1.08
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	1	1.08
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	1	1.08
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	9	1.08
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	9	1.08
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	9	1.08
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	3	1.08
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	3	1.08
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	3	1.08
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	3	1.08
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	3	1.08
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	3	1.08
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	12	1.07
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	5	1.07
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	5	1.07
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	1	1.07
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	1	1.07
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	10	1.07
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	10	1.07
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	10	1.07
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	19	1.07
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	19	1.07
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	19	1.07
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	16	1.07
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	16	1.07
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	16	1.07
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	16	1.07
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	16	1.07
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	16	1.07
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	6	1.07
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	6	1.07
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	6	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	10	1.07
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	10	1.07
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	10	1.07
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	13	1.07
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	5	1.07
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	6	1.07
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	6	1.07
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	6	1.07
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	6	1.07
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	6	1.07
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	6	1.07
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	7	1.07
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	7	1.07
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	7	1.07
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	8	1.07
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	8	1.07
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	8	1.07
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	12	1.07
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	12	1.07
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	12	1.07
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	18	1.07
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	18	1.07
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	18	1.07
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	7	1.07
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	7	1.07
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	15	1.07
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	15	1.07
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	15	1.07
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	6	1.07
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	13	1.07
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	8	1.07
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	20	1.07
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	20	1.07
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	14	1.07
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	14	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	3	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	3	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	3	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	3	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	3	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	3	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	8	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	8	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	8	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	8	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	8	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	8	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	16	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	16	1.07
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	16	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	16	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	16	1.07
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	16	1.07
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	8	1.07
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	8	1.07
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	8	1.07
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	7	1.07
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	7	1.07
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	7	1.07
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	3	1.07
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	1	1.07
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	1	1.07
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	1	1.07
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	1	1.07
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	1	1.07
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	2	1.07
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	6	1.07
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	6	1.07
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	6	1.07
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	19	1.07
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	19	1.07
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	19	1.07
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	18	1.07
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	18	1.07
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	18	1.07
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	18	1.07
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	2	1.07
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	2	1.07
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	2	1.07
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	2	1.07
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	2	1.07
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	2	1.07
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	6	1.06
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	6	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	17	1.06
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	17	1.06
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	10	1.06
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	10	1.06
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	10	1.06
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	10	1.06
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	10	1.06
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	10	1.06
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	6	1.06
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	6	1.06
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	17	1.06
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	17	1.06
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	2	1.06
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	2	1.06
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	2	1.06
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	6	1.06
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	6	1.06
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	6	1.06
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	8	1.06
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	8	1.06
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	8	1.06
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	20	1.06
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	20	1.06
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	20	1.06
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	9	1.06
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	9	1.06
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	9	1.06
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	9	1.06
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	9	1.06
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	9	1.06
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	13	1.06
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	4	1.06
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	4	1.06
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	4	1.06
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	20	1.06
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	20	1.06
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	20	1.06
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	13	1.06
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	13	1.06
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	13	1.06
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	12	1.06
(1,1645)	1:128:A:LYS:HG2	1:129:A:GLN:HB2	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1645)	1:128:A:LYS:HG3	1:129:A:GLN:HB2	10	1.06
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	2	1.06
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	15	1.06
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	15	1.06
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	15	1.06
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	15	1.06
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	15	1.06
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	15	1.06
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	9	1.06
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	9	1.06
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	9	1.06
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	17	1.06
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	17	1.06
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	17	1.06
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	17	1.06
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	8	1.06
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	8	1.06
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	8	1.06
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	8	1.06
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	8	1.06
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	8	1.06
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	3	1.06
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	3	1.06
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	3	1.06
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	14	1.06
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	14	1.06
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	17	1.06
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	17	1.06
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	15	1.06
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	15	1.06
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	5	1.05
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	11	1.05
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	3	1.05
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	3	1.05
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	3	1.05
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	16	1.05
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	16	1.05
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	16	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	1	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	1	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	1	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	4	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	4	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	4	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	7	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	7	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	7	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	9	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	9	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	9	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	10	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	10	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	10	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	11	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	11	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	11	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	12	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	12	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	12	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	14	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	14	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	14	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	15	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	15	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	15	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	17	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	17	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	17	1.05
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	19	1.05
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	19	1.05
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	19	1.05
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	19	1.05
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	18	1.05
(1,2233)	1:148:A:THR:HG21	1:149:A:ARG:HA	3	1.05
(1,2233)	1:148:A:THR:HG22	1:149:A:ARG:HA	3	1.05
(1,2233)	1:148:A:THR:HG23	1:149:A:ARG:HA	3	1.05
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	3	1.05
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	3	1.05
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	3	1.05
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	5	1.05
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	5	1.05
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	5	1.05
(1,1974)	1:42:A:LYS:HG2	1:43:A:GLN:HA	15	1.05
(1,1974)	1:42:A:LYS:HG3	1:43:A:GLN:HA	15	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG21	12	1.05
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG22	12	1.05
(1,1967)	1:13:A:GLY:H	1:14:A:VAL:HG23	12	1.05
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	4	1.05
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	4	1.05
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	4	1.05
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	4	1.05
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	4	1.05
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	4	1.05
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	10	1.05
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	10	1.05
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	10	1.05
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	10	1.05
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	10	1.05
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	10	1.05
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	10	1.05
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	10	1.05
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	10	1.05
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	10	1.05
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	14	1.05
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	14	1.05
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	14	1.05
(1,815)	1:41:A:ARG:HD2	1:52:A:LEU:HB3	7	1.05
(1,815)	1:41:A:ARG:HD3	1:52:A:LEU:HB3	7	1.05
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	6	1.05
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	6	1.05
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	18	1.04
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	14	1.04
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	14	1.04
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	14	1.04
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	5	1.04
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	5	1.04
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	19	1.04
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	3	1.04
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	3	1.04
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	3	1.04
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	15	1.04
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	8	1.04
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	8	1.04
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	8	1.04
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	19	1.04
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	1	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	1	1.04
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	3	1.04
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	11	1.04
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	11	1.04
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	18	1.04
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	18	1.04
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	18	1.04
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	18	1.04
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	18	1.04
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	4	1.04
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	4	1.04
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	4	1.04
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	4	1.04
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	18	1.04
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	18	1.04
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	10	1.04
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	10	1.04
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	10	1.04
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	10	1.04
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	14	1.04
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	14	1.04
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	14	1.04
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	9	1.04
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	9	1.04
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	17	1.04
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	17	1.04
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	16	1.04
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	16	1.04
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	10	1.04
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	10	1.04
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	10	1.04
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	5	1.04
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	5	1.04
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	5	1.04
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	1	1.04
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	1	1.04
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	1	1.04
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	16	1.04
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	20	1.04
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	20	1.04
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	20	1.04
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	20	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	12	1.04
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	14	1.04
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	14	1.04
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	14	1.04
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	14	1.04
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	14	1.04
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	14	1.04
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	7	1.03
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	7	1.03
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	13	1.03
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	13	1.03
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	5	1.03
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	12	1.03
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	19	1.03
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	12	1.03
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	12	1.03
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	9	1.03
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	9	1.03
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	12	1.03
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	12	1.03
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	12	1.03
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	18	1.03
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	10	1.03
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	11	1.03
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	14	1.03
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	6	1.03
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	1	1.03
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	1	1.03
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	1	1.03
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	16	1.03
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	16	1.03
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	16	1.03
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	5	1.03
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	5	1.03
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	15	1.03
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	15	1.03
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	12	1.03
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	12	1.03
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	1	1.03
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	1	1.03
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	4	1.03
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	4	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	10	1.03
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	20	1.03
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	20	1.03
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	20	1.03
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	5	1.03
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	5	1.03
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	14	1.03
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	14	1.03
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	12	1.03
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	12	1.03
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	12	1.03
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	12	1.03
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	12	1.03
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	12	1.03
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	4	1.03
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	2	1.03
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	2	1.03
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	6	1.03
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	6	1.03
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	6	1.03
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	7	1.03
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	12	1.03
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	12	1.03
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	10	1.03
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	8	1.03
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	8	1.03
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	8	1.03
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	13	1.03
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	13	1.03
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	13	1.03
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	13	1.03
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	8	1.02
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	17	1.02
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	7	1.02
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	7	1.02
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	2	1.02
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	2	1.02
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	2	1.02
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	2	1.02
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	2	1.02
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	2	1.02
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	13	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	13	1.02
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	13	1.02
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	1	1.02
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	9	1.02
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	8	1.02
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	18	1.02
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	2	1.02
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	2	1.02
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	9	1.02
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	13	1.02
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	13	1.02
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	13	1.02
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	13	1.02
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	13	1.02
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	13	1.02
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	8	1.02
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	8	1.02
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	8	1.02
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	11	1.02
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	11	1.02
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	11	1.02
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	18	1.02
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	18	1.02
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	16	1.02
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	7	1.02
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	7	1.02
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	7	1.02
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	7	1.02
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	7	1.02
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	7	1.02
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	1	1.02
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	1	1.02
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	13	1.02
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	13	1.02
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	8	1.02
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	3	1.02
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	3	1.02
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	3	1.02
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	7	1.02
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	7	1.02
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	7	1.02
(1,1188)	1:56:A:LEU:HD11	1:71:A:TYR:HD1	6	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:56:A:LEU:HD11	1:71:A:TYR:HD2	6	1.02
(1,1188)	1:56:A:LEU:HD12	1:71:A:TYR:HD1	6	1.02
(1,1188)	1:56:A:LEU:HD12	1:71:A:TYR:HD2	6	1.02
(1,1188)	1:56:A:LEU:HD13	1:71:A:TYR:HD1	6	1.02
(1,1188)	1:56:A:LEU:HD13	1:71:A:TYR:HD2	6	1.02
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	19	1.02
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	19	1.02
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	19	1.02
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	2	1.02
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	2	1.02
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	2	1.02
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	11	1.02
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	20	1.02
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	10	1.02
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	10	1.02
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	10	1.02
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	10	1.02
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	10	1.02
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	10	1.02
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	18	1.02
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	18	1.02
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	4	1.01
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	4	1.01
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	4	1.01
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	4	1.01
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	4	1.01
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	4	1.01
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	19	1.01
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	5	1.01
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	5	1.01
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	14	1.01
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	14	1.01
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	18	1.01
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	18	1.01
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	14	1.01
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	14	1.01
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	14	1.01
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	14	1.01
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	1	1.01
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	4	1.01
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	14	1.01
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	17	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	17	1.01
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	17	1.01
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	2	1.01
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	2	1.01
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	7	1.01
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	7	1.01
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	1	1.01
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	1	1.01
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	13	1.01
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	13	1.01
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	4	1.01
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	14	1.01
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	14	1.01
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	14	1.01
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	12	1.01
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	6	1.01
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	6	1.01
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	6	1.01
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	1	1.01
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	1	1.01
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	12	1.01
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	12	1.01
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	1	1.01
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	4	1.01
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	14	1.01
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	5	1.01
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	5	1.01
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	5	1.01
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	5	1.01
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	5	1.01
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	5	1.01
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	11	1.01
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	15	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	10	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	10	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	10	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	10	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	10	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	10	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	15	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	15	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	15	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	15	1.01
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	15	1.01
(1,1706)	1:104:A:LYS:HA	1:104:A:LYS:HD3	4	1.01
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	15	1.01
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	15	1.01
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	15	1.01
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	15	1.01
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	12	1.01
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	12	1.01
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	12	1.01
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	12	1.01
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	12	1.01
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	12	1.01
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	4	1.01
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	14	1.01
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	14	1.01
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	14	1.01
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	13	1.01
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	13	1.01
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	18	1.01
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	3	1.01
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	1	1.0
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	4	1.0
(1,2634)	1:80:A:CYS:HB2	1:112:A:VAL:HB	10	1.0
(1,2634)	1:80:A:CYS:HB3	1:112:A:VAL:HB	10	1.0
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	16	1.0
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	16	1.0
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	16	1.0
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	12	1.0
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	10	1.0
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	11	1.0
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	16	1.0
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	16	1.0
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	16	1.0
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	4	1.0
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	4	1.0
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	4	1.0
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	10	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	5	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	5	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	5	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	7	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	7	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	7	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	14	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	14	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	14	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB1	18	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB2	18	1.0
(1,2078)	1:129:A:GLN:HB2	1:130:A:ALA:HB3	18	1.0
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	1	1.0
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	1	1.0
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	7	1.0
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	7	1.0
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	8	1.0
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	8	1.0
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	8	1.0
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	8	1.0
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	10	1.0
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	13	1.0
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	13	1.0
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	13	1.0
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	13	1.0
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	13	1.0
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	13	1.0
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	19	1.0
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	19	1.0
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	19	1.0
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	19	1.0
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	19	1.0
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	19	1.0
(1,1199)	1:56:A:LEU:HD11	1:59:A:ALA:H	20	1.0
(1,1199)	1:56:A:LEU:HD12	1:59:A:ALA:H	20	1.0
(1,1199)	1:56:A:LEU:HD13	1:59:A:ALA:H	20	1.0
(1,1199)	1:56:A:LEU:HD21	1:59:A:ALA:H	20	1.0
(1,1199)	1:56:A:LEU:HD22	1:59:A:ALA:H	20	1.0
(1,1199)	1:56:A:LEU:HD23	1:59:A:ALA:H	20	1.0
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	6	1.0
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	20	1.0
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	20	1.0
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	20	1.0
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	6	1.0
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	17	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	17	1.0
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	17	1.0
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	15	1.0
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	15	1.0
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	15	1.0
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	15	1.0
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	15	1.0
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	15	1.0
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	7	0.99
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	7	0.99
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	7	0.99
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	7	0.99
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	7	0.99
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	7	0.99
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	4	0.99
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	4	0.99
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	10	0.99
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	10	0.99
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	7	0.99
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	7	0.99
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	1	0.99
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	20	0.99
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	3	0.99
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	3	0.99
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	17	0.99
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	17	0.99
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	18	0.99
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	18	0.99
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	18	0.99
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	18	0.99
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	18	0.99
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	18	0.99
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	11	0.99
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	11	0.99
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	11	0.99
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	14	0.99
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	14	0.99
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	14	0.99
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	14	0.99
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	14	0.99
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	5	0.99
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	5	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG2	2	0.99
(1,2030)	1:4:A:TYR:H	1:5:A:LYS:HG3	2	0.99
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	18	0.99
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	18	0.99
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	3	0.99
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	9	0.99
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	16	0.99
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	2	0.99
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	2	0.99
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	17	0.99
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	17	0.99
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	13	0.99
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	14	0.99
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	14	0.99
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	14	0.99
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	14	0.99
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	14	0.99
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	14	0.99
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	3	0.99
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	3	0.99
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	3	0.99
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	14	0.99
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	14	0.99
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	14	0.99
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	19	0.99
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	19	0.99
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	20	0.99
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	6	0.99
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	4	0.99
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	4	0.99
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	4	0.99
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	4	0.99
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	4	0.99
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	4	0.99
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	10	0.98
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	17	0.98
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	5	0.98
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	5	0.98
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	5	0.98
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	5	0.98
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	5	0.98
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	5	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	5	0.98
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	5	0.98
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	5	0.98
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	11	0.98
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	11	0.98
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	11	0.98
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	11	0.98
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	11	0.98
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	11	0.98
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	19	0.98
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	16	0.98
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	16	0.98
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	16	0.98
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	2	0.98
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	2	0.98
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	13	0.98
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	13	0.98
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	13	0.98
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	13	0.98
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	18	0.98
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	18	0.98
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	18	0.98
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	18	0.98
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	9	0.98
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	9	0.98
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	9	0.98
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	8	0.98
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	8	0.98
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	18	0.98
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	18	0.98
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	7	0.98
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	12	0.98
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	17	0.98
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	17	0.98
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	17	0.98
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	17	0.98
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	17	0.98
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	17	0.98
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	7	0.98
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	7	0.98
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	7	0.98
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	7	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	18	0.98
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	18	0.98
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	15	0.98
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	15	0.98
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	15	0.98
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	15	0.98
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	15	0.98
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	15	0.98
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	14	0.98
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	14	0.98
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	15	0.98
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	15	0.98
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	4	0.98
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	4	0.98
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	4	0.98
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	4	0.98
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	4	0.98
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	4	0.98
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	7	0.98
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	7	0.98
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	7	0.98
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	7	0.98
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	7	0.98
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	7	0.98
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	16	0.98
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	16	0.98
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	16	0.98
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	16	0.98
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	16	0.98
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	16	0.98
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	6	0.98
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	6	0.98
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	6	0.98
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	4	0.98
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	15	0.98
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	15	0.98
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	15	0.98
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	10	0.98
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	18	0.98
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	16	0.98
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	16	0.98
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	2	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	2	0.97
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	2	0.97
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	15	0.97
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	15	0.97
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	15	0.97
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	5	0.97
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	5	0.97
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	5	0.97
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	3	0.97
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	8	0.97
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	8	0.97
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	8	0.97
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	8	0.97
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	8	0.97
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	8	0.97
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	16	0.97
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	16	0.97
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	16	0.97
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	16	0.97
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	16	0.97
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	16	0.97
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	3	0.97
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	3	0.97
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	3	0.97
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	3	0.97
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	17	0.97
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	17	0.97
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	17	0.97
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	17	0.97
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	20	0.97
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	20	0.97
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	5	0.97
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	12	0.97
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	15	0.97
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	17	0.97
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	1	0.97
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	6	0.97
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	1	0.97
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	7	0.97
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	7	0.97
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	9	0.97
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	9	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	8	0.97
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	8	0.97
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	6	0.97
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	6	0.97
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	6	0.97
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	6	0.97
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	6	0.97
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	6	0.97
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	11	0.97
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	11	0.97
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	11	0.97
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	11	0.97
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	11	0.97
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	11	0.97
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	15	0.97
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	15	0.97
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	15	0.97
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	15	0.97
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	15	0.97
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	15	0.97
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	8	0.97
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	8	0.97
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	6	0.97
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	12	0.97
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	13	0.97
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	13	0.97
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	13	0.97
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	4	0.97
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	4	0.97
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	4	0.97
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	4	0.97
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	4	0.97
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	4	0.97
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	9	0.97
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	9	0.97
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	15	0.96
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	15	0.96
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	15	0.96
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	17	0.96
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	17	0.96
(1,2981)	1:59:A:ALA:H	1:68:A:ARG:HE	9	0.96
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	4	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	4	0.96
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	4	0.96
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	19	0.96
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	19	0.96
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	19	0.96
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	19	0.96
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	19	0.96
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	19	0.96
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	12	0.96
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	18	0.96
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	18	0.96
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	18	0.96
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	18	0.96
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	18	0.96
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	18	0.96
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	3	0.96
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	3	0.96
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	3	0.96
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	3	0.96
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	19	0.96
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	19	0.96
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	19	0.96
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	2	0.96
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	9	0.96
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	9	0.96
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	9	0.96
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	9	0.96
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	7	0.96
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	11	0.96
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	19	0.96
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	17	0.96
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	9	0.96
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	9	0.96
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	6	0.96
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	6	0.96
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	2	0.96
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	2	0.96
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	2	0.96
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	2	0.96
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	2	0.96
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	2	0.96
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	10	0.96
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	20	0.96
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	20	0.96
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	20	0.96
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	15	0.96
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	14	0.96
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	14	0.96
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	10	0.96
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	10	0.96
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	10	0.96
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	10	0.96
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	11	0.96
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	5	0.96
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	9	0.96
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	14	0.96
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	17	0.96
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	17	0.96
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	17	0.96
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	9	0.96
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	9	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	1	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	1	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	2	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	2	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	15	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	15	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	17	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	17	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	18	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	18	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	19	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	19	0.96
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	20	0.96
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	20	0.96
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	2	0.96
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	2	0.96
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	2	0.96
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	2	0.96
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	2	0.96
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	2	0.96
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	11	0.95
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	11	0.95
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	14	0.95
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	16	0.95
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	15	0.95
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	15	0.95
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	10	0.95
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	10	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	3	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	3	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	3	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	5	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	5	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	5	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	10	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	10	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	10	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	12	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	12	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	12	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	13	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	13	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	13	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	15	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	15	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	15	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	16	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	16	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	16	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	17	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	17	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	17	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	19	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	19	0.95
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	19	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	2	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	2	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	2	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	2	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	2	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	2	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	2	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	2	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	2	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	2	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	2	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	2	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	9	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	9	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	9	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	9	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	9	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	9	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	9	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	9	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	9	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	9	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	9	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	9	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	16	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	16	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	16	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	16	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	16	0.95
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	16	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	16	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	16	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	16	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	16	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	16	0.95
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	16	0.95
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	12	0.95
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	12	0.95
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	12	0.95
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	14	0.95
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	2	0.95
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	2	0.95
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	2	0.95
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	2	0.95
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	2	0.95
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	2	0.95
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	8	0.95
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	8	0.95
(1,2452)	1:162:A:GLU:HA	1:165:A:LYS:HG2	9	0.95
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	12	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	10	0.95
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	18	0.95
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	18	0.95
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	2	0.95
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	18	0.95
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	18	0.95
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	18	0.95
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	14	0.95
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	19	0.95
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	19	0.95
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	19	0.95
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	19	0.95
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	19	0.95
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	19	0.95
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	19	0.95
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	19	0.95
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	12	0.95
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	9	0.95
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	9	0.95
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	9	0.95
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	9	0.95
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	9	0.95
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	9	0.95
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	10	0.95
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	10	0.95
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	10	0.95
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	10	0.95
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	10	0.95
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	10	0.95
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	14	0.95
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	14	0.95
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	14	0.95
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	14	0.95
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	14	0.95
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	14	0.95
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	19	0.95
(1,783)	1:142:A:ILE:HD11	1:143:A:GLU:HB2	14	0.95
(1,783)	1:142:A:ILE:HD12	1:143:A:GLU:HB2	14	0.95
(1,783)	1:142:A:ILE:HD13	1:143:A:GLU:HB2	14	0.95
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	6	0.95
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	16	0.95
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	20	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	20	0.95
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	20	0.95
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	7	0.95
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	7	0.95
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	6	0.95
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	6	0.95
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	7	0.95
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	7	0.95
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	8	0.95
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	8	0.95
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	11	0.95
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	11	0.95
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	13	0.95
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	13	0.95
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	2	0.94
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	2	0.94
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	2	0.94
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	3	0.94
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	5	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	1	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	1	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	1	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	2	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	2	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	2	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	7	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	7	0.94
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	7	0.94
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	15	0.94
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	15	0.94
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	15	0.94
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	17	0.94
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	5	0.94
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	12	0.94
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	17	0.94
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	17	0.94
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	3	0.94
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	3	0.94
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	14	0.94
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	14	0.94
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	14	0.94
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	14	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	20	0.94
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	20	0.94
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	20	0.94
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	20	0.94
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	14	0.94
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	14	0.94
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	11	0.94
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	11	0.94
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	8	0.94
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	8	0.94
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	7	0.94
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	7	0.94
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	7	0.94
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	10	0.94
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	20	0.94
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	19	0.94
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	19	0.94
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	19	0.94
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	19	0.94
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	19	0.94
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	19	0.94
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	15	0.94
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	15	0.94
(1,1723)	1:104:A:LYS:HA	1:104:A:LYS:HE2	12	0.94
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	3	0.94
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	3	0.94
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	3	0.94
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	3	0.94
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	3	0.94
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	3	0.94
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	19	0.94
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD11	10	0.94
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD12	10	0.94
(1,1482)	1:162:A:GLU:HB2	1:163:A:ILE:HD13	10	0.94
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD11	10	0.94
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD12	10	0.94
(1,1482)	1:162:A:GLU:HB3	1:163:A:ILE:HD13	10	0.94
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	5	0.94
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	5	0.94
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	5	0.94
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	7	0.94
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	2	0.94
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	2	0.94
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	2	0.94
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	18	0.94
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	18	0.94
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	11	0.94
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	11	0.94
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	12	0.94
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	13	0.94
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	5	0.94
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	5	0.94
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	5	0.94
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	5	0.94
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	5	0.94
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	5	0.94
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	20	0.94
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	20	0.94
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	20	0.94
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	4	0.94
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	4	0.94
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	5	0.94
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	5	0.94
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE1	14	0.93
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE2	14	0.93
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE1	14	0.93
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE2	14	0.93
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE1	14	0.93
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE2	14	0.93
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE1	14	0.93
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE2	14	0.93
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE1	14	0.93
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE2	14	0.93
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE1	14	0.93
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE2	14	0.93
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	6	0.93
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	12	0.93
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	12	0.93
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	10	0.93
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	8	0.93
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	8	0.93
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	13	0.93
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	13	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	8	0.93
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	8	0.93
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	8	0.93
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	19	0.93
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	19	0.93
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	19	0.93
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	2	0.93
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	8	0.93
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	20	0.93
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	12	0.93
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	12	0.93
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	5	0.93
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	10	0.93
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	10	0.93
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	10	0.93
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	10	0.93
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	19	0.93
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	19	0.93
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	19	0.93
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	19	0.93
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	6	0.93
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	6	0.93
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	10	0.93
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	10	0.93
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	19	0.93
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	19	0.93
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	17	0.93
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	17	0.93
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	17	0.93
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	1	0.93
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	1	0.93
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	1	0.93
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	12	0.93
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	12	0.93
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	12	0.93
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	12	0.93
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	12	0.93
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	12	0.93
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	10	0.93
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	10	0.93
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	17	0.93
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	17	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	17	0.93
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	17	0.93
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	17	0.93
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	17	0.93
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	1	0.93
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	1	0.93
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	1	0.93
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	3	0.93
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	3	0.93
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	3	0.93
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	17	0.93
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	18	0.93
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	18	0.93
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	18	0.93
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	9	0.93
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	9	0.93
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	11	0.93
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	11	0.93
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	17	0.93
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	8	0.93
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	4	0.93
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	4	0.93
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	10	0.92
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD11	1	0.92
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD12	1	0.92
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD13	1	0.92
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD21	1	0.92
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD22	1	0.92
(1,3321)	1:111:A:MET:H	1:159:A:LEU:HD23	1	0.92
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	15	0.92
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	19	0.92
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	1	0.92
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	5	0.92
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	9	0.92
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	9	0.92
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	9	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	6	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	6	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	6	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	8	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	8	0.92
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	8	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	16	0.92
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	16	0.92
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	16	0.92
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	16	0.92
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	16	0.92
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	16	0.92
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	4	0.92
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	4	0.92
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	4	0.92
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	4	0.92
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	4	0.92
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	4	0.92
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	4	0.92
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	5	0.92
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	5	0.92
(1,2458)	1:165:A:LYS:HB2	1:166:A:HIS:HB2	13	0.92
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	17	0.92
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	17	0.92
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	17	0.92
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	17	0.92
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	17	0.92
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	17	0.92
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	8	0.92
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	8	0.92
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	8	0.92
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	8	0.92
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	8	0.92
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	8	0.92
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	12	0.92
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	12	0.92
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	12	0.92
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	19	0.92
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	8	0.92
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	8	0.92
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	7	0.92
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	7	0.92
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	7	0.92
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	7	0.92
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	4	0.92
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	4	0.92
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	4	0.92
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	6	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	1	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	1	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	1	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	1	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	1	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	1	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	8	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	8	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	8	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	8	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	8	0.92
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	8	0.92
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	19	0.92
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	19	0.92
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	4	0.92
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	4	0.92
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	5	0.92
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	18	0.92
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	18	0.92
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	18	0.92
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	18	0.92
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	18	0.92
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	18	0.92
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD2	8	0.92
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD3	8	0.92
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD2	17	0.92
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD3	17	0.92
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	18	0.92
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	6	0.92
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	6	0.92
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	6	0.92
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	6	0.92
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	6	0.92
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	6	0.92
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	6	0.92
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	6	0.92
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	6	0.92
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	6	0.92
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	6	0.92
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	6	0.92
(1,955)	1:43:A:GLN:H	1:43:A:GLN:HE21	17	0.92
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	1	0.92
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	1	0.92
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	12	0.92
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	12	0.92
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	20	0.92
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	20	0.92
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	5	0.92
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	5	0.92
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	5	0.92
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	5	0.92
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	5	0.92
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	5	0.92
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	18	0.92
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	11	0.92
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	14	0.92
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	14	0.92
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	14	0.92
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	16	0.92
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	16	0.92
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	11	0.92
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	11	0.92
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	11	0.92
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	11	0.92
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	11	0.92
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	11	0.92
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	4	0.91
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	18	0.91
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	3	0.91
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	16	0.91
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	16	0.91
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	19	0.91
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	19	0.91
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	20	0.91
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	20	0.91
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	20	0.91
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	18	0.91
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	18	0.91
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	18	0.91
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	18	0.91
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	20	0.91
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	20	0.91
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	15	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	1	0.91
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	1	0.91
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	13	0.91
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	13	0.91
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	12	0.91
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	12	0.91
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	11	0.91
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	11	0.91
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	11	0.91
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	1	0.91
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	11	0.91
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	15	0.91
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	12	0.91
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	12	0.91
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	14	0.91
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	14	0.91
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	17	0.91
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	17	0.91
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	18	0.91
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	18	0.91
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	18	0.91
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	18	0.91
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	18	0.91
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	18	0.91
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	5	0.91
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	5	0.91
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	5	0.91
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	10	0.91
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	18	0.91
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	18	0.91
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	18	0.91
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	9	0.91
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	19	0.91
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	1	0.91
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	1	0.91
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	1	0.91
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	1	0.91
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	20	0.91
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	20	0.91
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	20	0.91
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	19	0.91
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	19	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	19	0.91
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	19	0.91
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	19	0.91
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	19	0.91
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	17	0.91
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	12	0.91
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	12	0.91
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	12	0.91
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	12	0.91
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	12	0.91
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	12	0.91
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	4	0.9
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	4	0.9
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	4	0.9
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	13	0.9
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	16	0.9
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	16	0.9
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	16	0.9
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	3	0.9
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	3	0.9
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	2	0.9
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	2	0.9
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	14	0.9
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	14	0.9
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	16	0.9
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	16	0.9
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	16	0.9
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	14	0.9
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	1	0.9
(1,2454)	1:162:A:GLU:HB2	1:165:A:LYS:HG2	1	0.9
(1,2454)	1:162:A:GLU:HB3	1:165:A:LYS:HG2	1	0.9
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	3	0.9
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	3	0.9
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	8	0.9
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	8	0.9
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	8	0.9
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	10	0.9
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	10	0.9
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	10	0.9
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	12	0.9
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	3	0.9
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	3	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	4	0.9
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	4	0.9
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	5	0.9
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	5	0.9
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG21	8	0.9
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG22	8	0.9
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG23	8	0.9
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG21	8	0.9
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG22	8	0.9
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG23	8	0.9
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	11	0.9
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	8	0.9
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG21	14	0.9
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG22	14	0.9
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG23	14	0.9
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG21	14	0.9
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG22	14	0.9
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG23	14	0.9
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	16	0.9
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	16	0.9
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	16	0.9
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	12	0.9
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	12	0.9
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	16	0.9
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	19	0.9
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	3	0.9
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	3	0.9
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	3	0.9
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	3	0.9
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	3	0.9
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	3	0.9
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	3	0.9
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	3	0.9
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	3	0.9
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	3	0.9
(1,1232)	1:94:A:HIS:HE1	1:97:A:ARG:HD3	7	0.9
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	5	0.9
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD11	11	0.9
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD12	11	0.9
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD13	11	0.9
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD21	11	0.9
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD22	11	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD23	11	0.9
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	5	0.9
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	5	0.9
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	19	0.9
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	19	0.9
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	2	0.9
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	2	0.9
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	2	0.9
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	2	0.9
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	2	0.9
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	2	0.9
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	3	0.9
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	3	0.9
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	3	0.9
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	3	0.9
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	3	0.9
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	3	0.9
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	14	0.9
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	14	0.9
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	11	0.89
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	11	0.89
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	11	0.89
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	16	0.89
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	16	0.89
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	16	0.89
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	14	0.89
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	14	0.89
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	10	0.89
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	1	0.89
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	1	0.89
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	2	0.89
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	2	0.89
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	4	0.89
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	4	0.89
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	2	0.89
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	2	0.89
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	2	0.89
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	7	0.89
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	7	0.89
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	7	0.89
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	17	0.89
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	15	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	18	0.89
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	18	0.89
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	18	0.89
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	18	0.89
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	18	0.89
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	18	0.89
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	9	0.89
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	7	0.89
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	7	0.89
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	14	0.89
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	16	0.89
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	20	0.89
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	19	0.89
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	19	0.89
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	20	0.89
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	17	0.89
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	17	0.89
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	13	0.89
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	13	0.89
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	13	0.89
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	13	0.89
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	13	0.89
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	13	0.89
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	2	0.89
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	2	0.89
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	19	0.89
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	19	0.89
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	19	0.89
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	19	0.89
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	18	0.89
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	8	0.89
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	20	0.89
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	20	0.89
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	10	0.89
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	10	0.89
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	10	0.89
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	3	0.89
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	3	0.89
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	8	0.89
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	8	0.89
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG2	19	0.89
(1,1243)	1:106:A:SER:HA	1:107:A:GLU:HG3	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	12	0.89
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	12	0.89
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	12	0.89
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	12	0.89
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	12	0.89
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	12	0.89
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	6	0.89
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	6	0.89
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	6	0.89
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	12	0.89
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD11	20	0.89
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD12	20	0.89
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD13	20	0.89
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD21	20	0.89
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD22	20	0.89
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD23	20	0.89
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	20	0.89
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	20	0.89
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	11	0.89
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	11	0.89
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	11	0.89
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	2	0.89
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	2	0.89
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	5	0.89
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	5	0.89
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	5	0.89
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	5	0.89
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	3	0.89
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	3	0.89
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	3	0.89
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	4	0.89
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	13	0.89
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	13	0.89
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	13	0.89
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	19	0.89
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	19	0.89
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	19	0.89
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	20	0.89
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	20	0.89
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	20	0.89
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	20	0.89
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	20	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	20	0.89
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	13	0.89
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	13	0.89
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	13	0.89
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	13	0.89
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	13	0.89
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	13	0.89
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	19	0.88
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	12	0.88
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	12	0.88
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	12	0.88
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	15	0.88
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	15	0.88
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	4	0.88
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	20	0.88
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	20	0.88
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	20	0.88
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	19	0.88
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	11	0.88
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	11	0.88
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	20	0.88
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	20	0.88
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	15	0.88
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	15	0.88
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	15	0.88
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	15	0.88
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	15	0.88
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	15	0.88
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	18	0.88
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	18	0.88
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	18	0.88
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	16	0.88
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	16	0.88
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	5	0.88
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	5	0.88
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	5	0.88
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	6	0.88
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	6	0.88
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	6	0.88
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	6	0.88
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	6	0.88
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	19	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	19	0.88
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	19	0.88
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	19	0.88
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	2	0.88
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	2	0.88
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	2	0.88
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	2	0.88
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	6	0.88
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	6	0.88
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	6	0.88
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	6	0.88
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	15	0.88
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	15	0.88
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	7	0.88
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	7	0.88
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	17	0.88
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	17	0.88
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	12	0.88
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	18	0.88
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	18	0.88
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	15	0.88
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	8	0.88
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	8	0.88
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	8	0.88
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	8	0.88
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	8	0.88
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	8	0.88
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	13	0.88
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	13	0.88
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	13	0.88
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	13	0.88
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	13	0.88
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	13	0.88
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	6	0.88
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	6	0.88
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	8	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	10	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	10	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	13	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	13	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	16	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	16	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	17	0.88
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	17	0.88
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	16	0.88
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	16	0.88
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	16	0.88
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	16	0.88
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	16	0.88
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	16	0.88
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	2	0.88
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	7	0.88
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	20	0.88
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	20	0.88
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	20	0.88
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	20	0.88
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	20	0.88
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	20	0.88
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	9	0.88
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	9	0.88
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	9	0.88
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	14	0.88
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	14	0.88
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	14	0.88
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	10	0.88
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	10	0.88
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	10	0.88
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	10	0.88
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	10	0.88
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	10	0.88
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	19	0.88
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	19	0.88
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	19	0.88
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	19	0.88
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	19	0.88
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	19	0.88
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	13	0.87
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	9	0.87
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	3	0.87
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	12	0.87
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	12	0.87
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	12	0.87
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	9	0.87
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	9	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	9	0.87
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	15	0.87
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	15	0.87
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	15	0.87
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	15	0.87
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	15	0.87
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	15	0.87
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	11	0.87
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	11	0.87
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	11	0.87
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	13	0.87
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	13	0.87
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	13	0.87
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	2	0.87
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	6	0.87
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	17	0.87
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	18	0.87
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	16	0.87
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	16	0.87
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	18	0.87
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	18	0.87
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	9	0.87
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	10	0.87
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	10	0.87
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	8	0.87
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	8	0.87
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	8	0.87
(1,1799)	1:110:A:PRO:HA	1:111:A:MET:HB2	18	0.87
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	18	0.87
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	18	0.87
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	18	0.87
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	18	0.87
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	18	0.87
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	18	0.87
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	5	0.87
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	5	0.87
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	6	0.87
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	6	0.87
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	6	0.87
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	6	0.87
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	6	0.87
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	6	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	20	0.87
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	20	0.87
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	20	0.87
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	20	0.87
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	20	0.87
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	20	0.87
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	5	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	9	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	9	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	9	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	16	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	16	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	16	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	19	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	19	0.87
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	19	0.87
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	14	0.87
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	14	0.87
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	14	0.87
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	6	0.87
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	6	0.87
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	6	0.87
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	2	0.87
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	9	0.87
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	9	0.87
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	13	0.87
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	13	0.87
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	13	0.87
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	1	0.87
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	1	0.87
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	1	0.87
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	1	0.87
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	1	0.87
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	1	0.87
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	7	0.87
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	7	0.87
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	7	0.87
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	7	0.87
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	7	0.87
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	7	0.87
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	1	0.86
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	14	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	7	0.86
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	7	0.86
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	6	0.86
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	6	0.86
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	6	0.86
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	1	0.86
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	1	0.86
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	1	0.86
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	17	0.86
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	17	0.86
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	17	0.86
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	3	0.86
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	5	0.86
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	5	0.86
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	2	0.86
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	2	0.86
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	2	0.86
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	2	0.86
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	2	0.86
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	2	0.86
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	12	0.86
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	12	0.86
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	11	0.86
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	11	0.86
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	11	0.86
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	6	0.86
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	6	0.86
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	6	0.86
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	13	0.86
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	13	0.86
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	13	0.86
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	16	0.86
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	15	0.86
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	15	0.86
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB2	9	0.86
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB3	9	0.86
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB2	9	0.86
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB3	9	0.86
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	16	0.86
(1,1712)	1:104:A:LYS:HA	1:104:A:LYS:HD2	14	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	5	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	5	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	5	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	5	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	5	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	5	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	9	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	9	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	9	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	9	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	9	0.86
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	9	0.86
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	10	0.86
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	10	0.86
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	2	0.86
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	20	0.86
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	12	0.86
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	12	0.86
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	12	0.86
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	6	0.86
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	6	0.86
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	7	0.86
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	7	0.86
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	19	0.86
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	19	0.86
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	9	0.86
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	9	0.86
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	9	0.86
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	18	0.86
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	18	0.86
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	18	0.86
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	11	0.86
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	4	0.86
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	4	0.86
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	3	0.86
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	3	0.86
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	3	0.86
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	3	0.86
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	10	0.86
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	7	0.86
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	7	0.86
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	15	0.86
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	15	0.86
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	19	0.86
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	17	0.85
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	17	0.85
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	12	0.85
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	11	0.85
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	11	0.85
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	11	0.85
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	6	0.85
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	6	0.85
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	6	0.85
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	6	0.85
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	2	0.85
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	2	0.85
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	2	0.85
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	9	0.85
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	9	0.85
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	9	0.85
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	2	0.85
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	18	0.85
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	18	0.85
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	18	0.85
(1,2542)	1:100:A:ILE:HG21	1:104:A:LYS:HA	20	0.85
(1,2542)	1:100:A:ILE:HG22	1:104:A:LYS:HA	20	0.85
(1,2542)	1:100:A:ILE:HG23	1:104:A:LYS:HA	20	0.85
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	11	0.85
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	11	0.85
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	11	0.85
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	7	0.85
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	7	0.85
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	8	0.85
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	8	0.85
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	19	0.85
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	19	0.85
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	19	0.85
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	19	0.85
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	19	0.85
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	19	0.85
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	19	0.85
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	11	0.85
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	1	0.85
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	1	0.85
(1,1713)	1:75:A:GLY:HA2	1:104:A:LYS:HD2	4	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1713)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	4	0.85
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	3	0.85
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	3	0.85
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE1	2	0.85
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE2	2	0.85
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	12	0.85
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	12	0.85
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	12	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	5	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	5	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	11	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	11	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	12	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	12	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	15	0.85
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	15	0.85
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	2	0.85
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	2	0.85
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	2	0.85
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	18	0.85
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	18	0.85
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	12	0.85
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	12	0.85
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	12	0.85
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	17	0.85
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	17	0.85
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	17	0.85
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	16	0.85
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	1	0.85
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	16	0.85
(1,484)	1:29:A:VAL:HA	1:30:A:ASP:HB2	6	0.85
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	3	0.85
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	3	0.85
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	3	0.85
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	14	0.85
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	14	0.85
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	14	0.85
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	9	0.85
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	9	0.85
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	9	0.85
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	14	0.85
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	14	0.85
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	14	0.85
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	14	0.85
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	14	0.85
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	16	0.85
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	15	0.85
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	15	0.85
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	15	0.85
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	15	0.85
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	15	0.85
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	15	0.85
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	17	0.85
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	17	0.85
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	17	0.85
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	17	0.85
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	17	0.85
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	17	0.85
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	11	0.85
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	11	0.85
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	1	0.84
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	1	0.84
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	19	0.84
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	19	0.84
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	1	0.84
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	16	0.84
(1,2888)	1:137:A:TYR:HE1	1:138:A:GLY:H	15	0.84
(1,2888)	1:137:A:TYR:HE2	1:138:A:GLY:H	15	0.84
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	19	0.84
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	19	0.84
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	19	0.84
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	14	0.84
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	14	0.84
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	14	0.84
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	3	0.84
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	3	0.84
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	3	0.84
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	20	0.84
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	20	0.84
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	20	0.84
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	10	0.84
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	1	0.84
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	1	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	1	0.84
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	7	0.84
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	8	0.84
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	1	0.84
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	1	0.84
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	1	0.84
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	1	0.84
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	1	0.84
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	1	0.84
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	9	0.84
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	9	0.84
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	9	0.84
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	9	0.84
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	9	0.84
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	9	0.84
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	10	0.84
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	10	0.84
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	10	0.84
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	10	0.84
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	10	0.84
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	10	0.84
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	9	0.84
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	9	0.84
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	9	0.84
(1,2173)	1:147:A:LYS:HD2	2:201:A:GNP:HN1	19	0.84
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	17	0.84
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	17	0.84
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	8	0.84
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	8	0.84
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	15	0.84
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	15	0.84
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	3	0.84
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	3	0.84
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	3	0.84
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	2	0.84
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	3	0.84
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	3	0.84
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	3	0.84
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	5	0.84
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	5	0.84
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD11	20	0.84
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD12	20	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1302)	1:111:A:MET:HB3	1:139:A:ILE:HD13	20	0.84
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	15	0.84
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	15	0.84
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	15	0.84
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	20	0.84
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	20	0.84
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	20	0.84
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	4	0.84
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	4	0.84
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	20	0.84
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	20	0.84
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	2	0.84
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	18	0.84
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	11	0.84
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	11	0.84
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	11	0.84
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	11	0.84
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	11	0.84
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	11	0.84
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	7	0.84
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	19	0.84
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	19	0.84
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	19	0.84
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	4	0.84
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	4	0.84
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	19	0.84
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	14	0.83
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	4	0.83
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	18	0.83
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	18	0.83
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	16	0.83
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	18	0.83
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	18	0.83
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	18	0.83
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	10	0.83
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	7	0.83
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	8	0.83
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	20	0.83
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	20	0.83
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	2	0.83
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	2	0.83
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	12	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	12	0.83
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	12	0.83
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	12	0.83
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	12	0.83
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	12	0.83
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	19	0.83
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	20	0.83
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	1	0.83
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	16	0.83
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	16	0.83
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	18	0.83
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	18	0.83
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	10	0.83
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	10	0.83
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	10	0.83
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	16	0.83
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	16	0.83
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	11	0.83
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	15	0.83
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	8	0.83
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	8	0.83
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	10	0.83
(1,1453)	1:79:A:LEU:HD11	1:112:A:VAL:HB	8	0.83
(1,1453)	1:79:A:LEU:HD12	1:112:A:VAL:HB	8	0.83
(1,1453)	1:79:A:LEU:HD13	1:112:A:VAL:HB	8	0.83
(1,1453)	1:79:A:LEU:HD21	1:112:A:VAL:HB	8	0.83
(1,1453)	1:79:A:LEU:HD22	1:112:A:VAL:HB	8	0.83
(1,1453)	1:79:A:LEU:HD23	1:112:A:VAL:HB	8	0.83
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	5	0.83
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	14	0.83
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	14	0.83
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	15	0.83
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	15	0.83
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	15	0.83
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	15	0.83
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	8	0.83
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	8	0.83
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	1	0.83
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	1	0.83
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	2	0.83
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	2	0.83
(1,1091)	1:2:A:THR:HG21	1:51:A:CYS:HA	16	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1091)	1:2:A:THR:HG22	1:51:A:CYS:HA	16	0.83
(1,1091)	1:2:A:THR:HG23	1:51:A:CYS:HA	16	0.83
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	16	0.83
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	19	0.83
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	1	0.83
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	1	0.83
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	4	0.83
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	4	0.83
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	16	0.83
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	16	0.83
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	11	0.83
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	11	0.83
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	11	0.83
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	11	0.83
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	11	0.83
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	11	0.83
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	17	0.83
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	17	0.83
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	17	0.83
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	17	0.83
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	17	0.83
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	17	0.83
(1,329)	1:42:A:LYS:HG2	1:43:A:GLN:H	2	0.83
(1,329)	1:42:A:LYS:HG3	1:43:A:GLN:H	2	0.83
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	6	0.83
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	17	0.83
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	8	0.83
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	8	0.83
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	8	0.83
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	8	0.83
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	8	0.83
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	8	0.83
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	15	0.83
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	15	0.83
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	15	0.83
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	15	0.83
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	15	0.83
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	15	0.83
(1,3070)	1:127:A:THR:H	1:128:A:LYS:HB3	4	0.82
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	9	0.82
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	9	0.82
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	16	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	16	0.82
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	16	0.82
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	16	0.82
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	7	0.82
(1,2627)	1:47:A:ASP:HB2	1:161:A:ARG:HE	12	0.82
(1,2627)	1:47:A:ASP:HB3	1:161:A:ARG:HE	12	0.82
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	1	0.82
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	1	0.82
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	1	0.82
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	1	0.82
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	1	0.82
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	1	0.82
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	6	0.82
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	6	0.82
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	6	0.82
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	15	0.82
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	15	0.82
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	15	0.82
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	6	0.82
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	6	0.82
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	20	0.82
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	13	0.82
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	13	0.82
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	2	0.82
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	2	0.82
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	20	0.82
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	20	0.82
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	13	0.82
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	1	0.82
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	1	0.82
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	1	0.82
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	14	0.82
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	14	0.82
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	16	0.82
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	16	0.82
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	1	0.82
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	1	0.82
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	6	0.82
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	6	0.82
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	6	0.82
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	6	0.82
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	4	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	4	0.82
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	4	0.82
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	14	0.82
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD2	14	0.82
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD3	14	0.82
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	18	0.82
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	18	0.82
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	6	0.82
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	6	0.82
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	4	0.82
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	3	0.82
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	3	0.82
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	16	0.82
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	16	0.82
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	2	0.82
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	2	0.82
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	5	0.82
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	5	0.82
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	10	0.82
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	10	0.82
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	10	0.82
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	15	0.82
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	15	0.82
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	15	0.82
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	15	0.82
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	9	0.82
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	9	0.82
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	9	0.82
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	9	0.82
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	9	0.82
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	9	0.82
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	19	0.82
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	19	0.82
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	19	0.82
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	19	0.82
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	19	0.82
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	19	0.82
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	1	0.82
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	1	0.82
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	4	0.82
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	4	0.82
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	18	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	18	0.82
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	9	0.81
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	9	0.81
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	9	0.81
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	11	0.81
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	11	0.81
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	19	0.81
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	19	0.81
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	17	0.81
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	17	0.81
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	17	0.81
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	16	0.81
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	16	0.81
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	15	0.81
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	15	0.81
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	19	0.81
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	12	0.81
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	13	0.81
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	14	0.81
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	19	0.81
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	19	0.81
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	19	0.81
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	19	0.81
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	19	0.81
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	19	0.81
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	12	0.81
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	12	0.81
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	12	0.81
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	9	0.81
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	9	0.81
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	7	0.81
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	7	0.81
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	7	0.81
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	7	0.81
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	7	0.81
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	7	0.81
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	10	0.81
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	10	0.81
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	13	0.81
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	13	0.81
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	13	0.81
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	13	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	13	0.81
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	13	0.81
(1,2288)	1:143:A:GLU:HB3	1:151:A:GLY:HA3	9	0.81
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	12	0.81
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	10	0.81
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	10	0.81
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	7	0.81
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	7	0.81
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	10	0.81
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	10	0.81
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	1	0.81
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	1	0.81
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	1	0.81
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	20	0.81
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	20	0.81
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	20	0.81
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	6	0.81
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	6	0.81
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	6	0.81
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	6	0.81
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	5	0.81
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	6	0.81
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	10	0.81
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	6	0.81
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	6	0.81
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	20	0.81
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	20	0.81
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	20	0.81
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	20	0.81
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	20	0.81
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	20	0.81
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	5	0.81
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	10	0.81
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	20	0.81
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	17	0.81
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	17	0.81
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	9	0.81
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	9	0.81
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	18	0.81
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	18	0.81
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	18	0.81
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	18	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	19	0.81
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	19	0.81
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	3	0.81
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	3	0.81
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	9	0.81
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	9	0.81
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	6	0.81
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	6	0.81
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	6	0.81
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	14	0.81
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	15	0.81
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	6	0.81
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	6	0.81
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	6	0.81
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	6	0.81
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	8	0.81
(1,429)	1:61:A:GLN:HG2	1:62:A:GLU:HA	4	0.81
(1,429)	1:61:A:GLN:HG3	1:62:A:GLU:HA	4	0.81
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	19	0.81
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	19	0.81
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	19	0.81
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	19	0.81
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	19	0.81
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	19	0.81
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	7	0.81
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	7	0.81
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	14	0.8
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	14	0.8
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	14	0.8
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	12	0.8
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	12	0.8
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	17	0.8
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	4	0.8
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	15	0.8
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	10	0.8
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	6	0.8
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	12	0.8
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	12	0.8
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	13	0.8
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	13	0.8
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	6	0.8
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	1	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	1	0.8
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	1	0.8
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	3	0.8
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	3	0.8
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	13	0.8
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	13	0.8
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	13	0.8
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	11	0.8
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	11	0.8
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	11	0.8
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	11	0.8
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	11	0.8
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	11	0.8
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	18	0.8
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	12	0.8
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	12	0.8
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	12	0.8
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	16	0.8
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	16	0.8
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	6	0.8
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	6	0.8
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	7	0.8
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	7	0.8
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	9	0.8
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	19	0.8
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	8	0.8
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	8	0.8
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	8	0.8
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	13	0.8
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	13	0.8
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	13	0.8
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	4	0.8
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD11	16	0.8
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD12	16	0.8
(1,1017)	1:53:A:LEU:HA	1:55:A:ILE:HD13	16	0.8
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	5	0.8
(1,955)	1:43:A:GLN:H	1:43:A:GLN:HE21	20	0.8
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	3	0.8
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	3	0.8
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	12	0.8
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	12	0.8
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	8	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	7	0.8
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	7	0.8
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	7	0.8
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	7	0.8
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	7	0.8
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	7	0.8
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	17	0.8
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	17	0.8
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	17	0.8
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	3	0.8
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	3	0.8
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	3	0.8
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	3	0.8
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	3	0.8
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	3	0.8
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	12	0.8
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	12	0.8
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	10	0.8
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	10	0.8
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	10	0.8
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	10	0.8
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	10	0.8
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	10	0.8
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	4	0.79
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	8	0.79
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	12	0.79
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	5	0.79
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	5	0.79
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	8	0.79
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	8	0.79
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	8	0.79
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB2	9	0.79
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB3	9	0.79
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB2	9	0.79
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB3	9	0.79
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB2	9	0.79
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB3	9	0.79
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	18	0.79
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	18	0.79
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	5	0.79
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	16	0.79
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	20	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	20	0.79
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	20	0.79
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	20	0.79
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	20	0.79
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	20	0.79
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	8	0.79
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	8	0.79
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	8	0.79
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	14	0.79
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	14	0.79
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	14	0.79
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	2	0.79
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	2	0.79
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	6	0.79
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	6	0.79
(1,1974)	1:42:A:LYS:HG2	1:43:A:GLN:HA	2	0.79
(1,1974)	1:42:A:LYS:HG3	1:43:A:GLN:HA	2	0.79
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	4	0.79
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	4	0.79
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	4	0.79
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	7	0.79
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	7	0.79
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	7	0.79
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	7	0.79
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	7	0.79
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	7	0.79
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	6	0.79
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	6	0.79
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	6	0.79
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	6	0.79
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	6	0.79
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	6	0.79
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	16	0.79
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	16	0.79
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	1	0.79
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	3	0.79
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	8	0.79
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	3	0.79
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	3	0.79
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	4	0.79
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	4	0.79
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	4	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	11	0.79
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	11	0.79
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	1	0.79
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	1	0.79
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	1	0.79
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	1	0.79
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	1	0.79
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	1	0.79
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	8	0.79
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	8	0.79
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	8	0.79
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	8	0.79
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	8	0.79
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	8	0.79
(1,1113)	1:45:A:VAL:H	1:46:A:ILE:HG13	5	0.79
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	6	0.79
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	5	0.79
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	5	0.79
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	5	0.79
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	16	0.79
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	16	0.79
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	16	0.79
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	9	0.79
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	8	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD11	8	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD12	8	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD13	8	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD21	8	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD22	8	0.79
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD23	8	0.79
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	9	0.79
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	9	0.79
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	14	0.79
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	15	0.79
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	4	0.79
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	4	0.79
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	4	0.79
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	12	0.79
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	12	0.79
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	12	0.79
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	2	0.79
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	16	0.79
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	16	0.79
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	17	0.79
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	17	0.79
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	10	0.79
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	10	0.79
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	10	0.79
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	10	0.79
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	10	0.79
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	10	0.79
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	16	0.79
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	16	0.79
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	16	0.79
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	16	0.79
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	16	0.79
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	16	0.79
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	20	0.78
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	20	0.78
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	20	0.78
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	1	0.78
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	5	0.78
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	1	0.78
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	1	0.78
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	4	0.78
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	4	0.78
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	16	0.78
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	16	0.78
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	20	0.78
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	20	0.78
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	3	0.78
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	1	0.78
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	1	0.78
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	1	0.78
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	1	0.78
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	1	0.78
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	1	0.78
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	7	0.78
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	7	0.78
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	7	0.78
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	7	0.78
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	7	0.78
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	7	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	16	0.78
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	16	0.78
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	16	0.78
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	16	0.78
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	16	0.78
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	16	0.78
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	16	0.78
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	16	0.78
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	16	0.78
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	7	0.78
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	7	0.78
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	7	0.78
(1,2268)	1:150:A:GLN:HG3	1:151:A:GLY:H	17	0.78
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	1	0.78
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	1	0.78
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	8	0.78
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	8	0.78
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	8	0.78
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	14	0.78
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	14	0.78
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	14	0.78
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	8	0.78
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	8	0.78
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	8	0.78
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	7	0.78
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	16	0.78
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	13	0.78
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	13	0.78
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	14	0.78
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	8	0.78
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	7	0.78
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	18	0.78
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	1	0.78
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE1	9	0.78
(1,1257)	1:64:A:TYR:HA	1:64:A:TYR:HE2	9	0.78
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	5	0.78
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	11	0.78
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	12	0.78
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	19	0.78
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	2	0.78
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	15	0.78
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	11	0.78
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	10	0.78
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	10	0.78
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	10	0.78
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	10	0.78
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	10	0.78
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	16	0.78
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	16	0.78
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	16	0.78
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	18	0.78
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	18	0.78
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	18	0.78
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	3	0.78
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	3	0.78
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	3	0.78
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	18	0.78
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	18	0.78
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	19	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	6	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	6	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	10	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	10	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	12	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	12	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	13	0.78
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	13	0.78
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	3	0.77
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	3	0.77
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	3	0.77
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	1	0.77
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	3	0.77
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	7	0.77
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	16	0.77
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	20	0.77
(1,3249)	1:3:A:GLU:HG3	1:4:A:TYR:H	12	0.77
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	3	0.77
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	19	0.77
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	17	0.77
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	17	0.77
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	17	0.77
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	17	0.77
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	17	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	17	0.77
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	18	0.77
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	18	0.77
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	13	0.77
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	13	0.77
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	13	0.77
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	13	0.77
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	13	0.77
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	13	0.77
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	19	0.77
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	19	0.77
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	2	0.77
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	2	0.77
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	14	0.77
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	14	0.77
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	14	0.77
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	14	0.77
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	14	0.77
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	14	0.77
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	16	0.77
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	16	0.77
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	16	0.77
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	17	0.77
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	17	0.77
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	17	0.77
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	5	0.77
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	10	0.77
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	10	0.77
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	18	0.77
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	16	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	1	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	1	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	1	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	1	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	1	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	1	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	4	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	4	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	4	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	4	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	4	0.77
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	4	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:141:A:PHE:HZ	1:143:A:GLU:HG3	12	0.77
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	19	0.77
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	19	0.77
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	19	0.77
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	8	0.77
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	20	0.77
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	20	0.77
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	20	0.77
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	20	0.77
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	20	0.77
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	20	0.77
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	8	0.77
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	8	0.77
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	12	0.77
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	4	0.77
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	4	0.77
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	17	0.77
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	19	0.77
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	19	0.77
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	19	0.77
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	19	0.77
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	2	0.77
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	2	0.77
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	2	0.77
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	2	0.77
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	13	0.77
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	13	0.77
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	17	0.77
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	17	0.77
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	1	0.77
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	7	0.77
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	7	0.77
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	7	0.77
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	18	0.77
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	9	0.77
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	9	0.77
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	15	0.77
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	15	0.77
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	15	0.77
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	15	0.77
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	15	0.77
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	18	0.77
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	6	0.76
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	8	0.76
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	14	0.76
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	15	0.76
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	16	0.76
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	9	0.76
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	17	0.76
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	2	0.76
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	2	0.76
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	6	0.76
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	6	0.76
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	6	0.76
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	15	0.76
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	15	0.76
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	15	0.76
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	15	0.76
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	6	0.76
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	6	0.76
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	11	0.76
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	11	0.76
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	11	0.76
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	17	0.76
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	5	0.76
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	5	0.76
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	5	0.76
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	5	0.76
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	5	0.76
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	5	0.76
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	20	0.76
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	20	0.76
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	20	0.76
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	20	0.76
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	20	0.76
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	20	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	5	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	5	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	5	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	5	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	5	0.76
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	5	0.76
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	3	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	3	0.76
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	3	0.76
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	3	0.76
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	7	0.76
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	7	0.76
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	7	0.76
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	20	0.76
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	20	0.76
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	9	0.76
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	2	0.76
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	15	0.76
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	15	0.76
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	15	0.76
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	6	0.76
(1,1974)	1:42:A:LYS:HG2	1:43:A:GLN:HA	20	0.76
(1,1974)	1:42:A:LYS:HG3	1:43:A:GLN:HA	20	0.76
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	1	0.76
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	1	0.76
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	1	0.76
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	20	0.76
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	20	0.76
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	20	0.76
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	20	0.76
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	20	0.76
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	20	0.76
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	13	0.76
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	13	0.76
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	6	0.76
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	6	0.76
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	15	0.76
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	11	0.76
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	11	0.76
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	11	0.76
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	2	0.76
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	2	0.76
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	2	0.76
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	2	0.76
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	9	0.76
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	18	0.76
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	15	0.76
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	12	0.76
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	12	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	12	0.76
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	12	0.76
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	12	0.76
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	12	0.76
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	12	0.76
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	12	0.76
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	12	0.76
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	12	0.76
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	12	0.76
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	12	0.76
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	10	0.76
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	10	0.76
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	14	0.76
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	14	0.76
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	18	0.76
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	1	0.76
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	12	0.76
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	12	0.76
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	12	0.76
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	12	0.76
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	12	0.76
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	12	0.76
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	13	0.76
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	13	0.76
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	13	0.76
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	12	0.75
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	13	0.75
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	19	0.75
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	1	0.75
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	1	0.75
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	1	0.75
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	6	0.75
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	15	0.75
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	20	0.75
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	14	0.75
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	2	0.75
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	3	0.75
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	3	0.75
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE1	9	0.75
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE2	9	0.75
(1,2645)	1:67:A:MET:HA	1:67:A:MET:HE3	9	0.75
(1,2612)	1:25:A:GLN:HB3	1:27:A:HIS:HE1	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	16	0.75
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	17	0.75
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	17	0.75
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	17	0.75
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	1	0.75
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	14	0.75
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	14	0.75
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	14	0.75
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	19	0.75
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	19	0.75
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	20	0.75
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	20	0.75
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	2	0.75
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	2	0.75
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	2	0.75
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	2	0.75
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	2	0.75
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	2	0.75
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	11	0.75
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	5	0.75
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	5	0.75
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	5	0.75
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	5	0.75
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	5	0.75
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	5	0.75
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	1	0.75
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	1	0.75
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	20	0.75
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	3	0.75
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	3	0.75
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	20	0.75
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	5	0.75
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	5	0.75
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	20	0.75
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	20	0.75
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	15	0.75
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	15	0.75
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	15	0.75
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	18	0.75
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	18	0.75
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	9	0.75
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	9	0.75
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	9	0.75
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	12	0.75
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	7	0.75
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	7	0.75
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	7	0.75
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	7	0.75
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	8	0.75
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	13	0.75
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	13	0.75
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	13	0.75
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	13	0.75
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	7	0.75
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	7	0.75
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	7	0.75
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	7	0.75
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	7	0.75
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	7	0.75
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	8	0.75
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	5	0.75
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	5	0.75
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	5	0.75
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	5	0.75
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	5	0.75
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	5	0.75
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	5	0.75
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	5	0.75
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	5	0.75
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	5	0.75
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	5	0.75
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	5	0.75
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	1	0.75
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	1	0.75
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	1	0.75
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	1	0.75
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	1	0.75
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	1	0.75
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	2	0.74
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	10	0.74
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	14	0.74
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	17	0.74
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	3	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	11	0.74
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	12	0.74
(1,2454)	1:162:A:GLU:HB2	1:165:A:LYS:HG2	13	0.74
(1,2454)	1:162:A:GLU:HB3	1:165:A:LYS:HG2	13	0.74
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	12	0.74
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	12	0.74
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	12	0.74
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	12	0.74
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	12	0.74
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	12	0.74
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	19	0.74
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	19	0.74
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	19	0.74
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	2	0.74
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	2	0.74
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	2	0.74
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	17	0.74
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	17	0.74
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	17	0.74
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	1	0.74
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	1	0.74
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	1	0.74
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	1	0.74
(1,2037)	1:129:A:GLN:HA	1:132:A:ASP:HB3	18	0.74
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	10	0.74
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	10	0.74
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	12	0.74
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	12	0.74
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	12	0.74
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	6	0.74
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	5	0.74
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	9	0.74
(1,1714)	1:75:A:GLY:HA2	1:104:A:LYS:HD2	4	0.74
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	6	0.74
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	6	0.74
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	12	0.74
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	12	0.74
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	11	0.74
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	11	0.74
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	9	0.74
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	9	0.74
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	9	0.74
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	9	0.74
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	9	0.74
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	14	0.74
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	14	0.74
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	14	0.74
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	14	0.74
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	14	0.74
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	14	0.74
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	18	0.74
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	18	0.74
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	6	0.74
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	6	0.74
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	6	0.74
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	4	0.74
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	4	0.74
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	4	0.74
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	4	0.74
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	13	0.74
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	13	0.74
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	17	0.74
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	17	0.74
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	19	0.74
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	19	0.74
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	8	0.74
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	8	0.74
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	8	0.74
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	8	0.74
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	11	0.74
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	11	0.74
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	11	0.74
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	11	0.74
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	7	0.74
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	7	0.74
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	7	0.74
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	19	0.74
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	19	0.74
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	17	0.74
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	5	0.74
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	5	0.74
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	5	0.74
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	9	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	9	0.74
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	9	0.74
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	11	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	1	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	1	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	1	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	2	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	2	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	2	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	4	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	4	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	4	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	5	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	5	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	5	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	7	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	7	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	7	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	9	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	9	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	9	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	13	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	13	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	13	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	18	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	18	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	18	0.74
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	19	0.74
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	19	0.74
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	19	0.74
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	5	0.73
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	9	0.73
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	6	0.73
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	20	0.73
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	15	0.73
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	15	0.73
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	8	0.73
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	8	0.73
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	20	0.73
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	17	0.73
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	17	0.73
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	17	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	17	0.73
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	17	0.73
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	17	0.73
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	16	0.73
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	16	0.73
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	16	0.73
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	16	0.73
(1,2684)	1:111:A:MET:HA	1:111:A:MET:HE1	11	0.73
(1,2684)	1:111:A:MET:HA	1:111:A:MET:HE2	11	0.73
(1,2684)	1:111:A:MET:HA	1:111:A:MET:HE3	11	0.73
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	17	0.73
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	6	0.73
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	13	0.73
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	13	0.73
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	13	0.73
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	10	0.73
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	2	0.73
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	2	0.73
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	7	0.73
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	7	0.73
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	4	0.73
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	7	0.73
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	7	0.73
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	15	0.73
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	15	0.73
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	15	0.73
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	20	0.73
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	9	0.73
(1,1930)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	9	0.73
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	11	0.73
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	11	0.73
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	12	0.73
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	6	0.73
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	3	0.73
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	3	0.73
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	3	0.73
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	3	0.73
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	3	0.73
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	3	0.73
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	3	0.73
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	8	0.73
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	3	0.73
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	3	0.73
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	20	0.73
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	20	0.73
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	20	0.73
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	20	0.73
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	20	0.73
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	20	0.73
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	20	0.73
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	20	0.73
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	20	0.73
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	20	0.73
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	20	0.73
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	20	0.73
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	20	0.73
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	20	0.73
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	20	0.73
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	20	0.73
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	20	0.73
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	20	0.73
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	11	0.73
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	11	0.73
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	11	0.73
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	10	0.73
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	1	0.73
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	12	0.73
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	17	0.73
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	3	0.73
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	7	0.73
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	7	0.73
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	17	0.73
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	1	0.73
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	20	0.73
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	20	0.73
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	20	0.73
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	10	0.73
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	10	0.73
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	10	0.73
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	10	0.73
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	10	0.73
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	10	0.73
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	3	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	3	0.73
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	3	0.73
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	2	0.73
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	7	0.73
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	7	0.73
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	7	0.73
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	7	0.73
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	7	0.73
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	7	0.73
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	12	0.72
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	19	0.72
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	10	0.72
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	8	0.72
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	12	0.72
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	12	0.72
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	6	0.72
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	6	0.72
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	1	0.72
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	1	0.72
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	1	0.72
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	1	0.72
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	1	0.72
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	1	0.72
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	4	0.72
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	4	0.72
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	4	0.72
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	4	0.72
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	4	0.72
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	4	0.72
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	4	0.72
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	4	0.72
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	4	0.72
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	4	0.72
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	4	0.72
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	4	0.72
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	4	0.72
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	15	0.72
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	15	0.72
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	15	0.72
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	15	0.72
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	15	0.72
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	15	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	1	0.72
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	1	0.72
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	1	0.72
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	9	0.72
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	8	0.72
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	8	0.72
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	8	0.72
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	2	0.72
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	6	0.72
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	12	0.72
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	12	0.72
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	4	0.72
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	4	0.72
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	4	0.72
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	18	0.72
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	18	0.72
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	18	0.72
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	9	0.72
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	9	0.72
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	9	0.72
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	9	0.72
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	15	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	8	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	8	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	8	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	8	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	8	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	8	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	13	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	13	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	13	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	13	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	13	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	13	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	14	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	14	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	14	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	14	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	14	0.72
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	14	0.72
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	17	0.72
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	3	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	11	0.72
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	11	0.72
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	11	0.72
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	11	0.72
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	5	0.72
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	5	0.72
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	5	0.72
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	5	0.72
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	5	0.72
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	5	0.72
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	7	0.72
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	7	0.72
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	7	0.72
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	7	0.72
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	7	0.72
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	7	0.72
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	5	0.72
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	4	0.72
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	13	0.72
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	14	0.72
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	17	0.72
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	13	0.72
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	13	0.72
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	13	0.72
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	3	0.72
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	3	0.72
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	3	0.72
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	3	0.72
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	7	0.72
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	17	0.72
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	15	0.72
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	15	0.72
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	16	0.72
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	13	0.72
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	13	0.72
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	4	0.72
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	4	0.72
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	4	0.72
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	4	0.72
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	7	0.72
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	16	0.72
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	16	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	16	0.72
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	16	0.72
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	16	0.72
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	16	0.72
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	19	0.72
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	19	0.72
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	19	0.72
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	16	0.72
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	16	0.72
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	16	0.72
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	20	0.72
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	20	0.72
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	20	0.72
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	3	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	1	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	1	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	1	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	1	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	1	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	1	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	4	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	4	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	4	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	4	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	4	0.72
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	4	0.72
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	19	0.72
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	5	0.72
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	5	0.72
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	5	0.72
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	5	0.72
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	5	0.72
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	5	0.72
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	16	0.71
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	11	0.71
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	11	0.71
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	14	0.71
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	14	0.71
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	14	0.71
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	10	0.71
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	19	0.71
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	13	0.71
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	18	0.71
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	15	0.71
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	15	0.71
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	9	0.71
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	9	0.71
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	9	0.71
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	5	0.71
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	5	0.71
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	5	0.71
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	13	0.71
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	13	0.71
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	13	0.71
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	20	0.71
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	20	0.71
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	20	0.71
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	20	0.71
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	20	0.71
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	20	0.71
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	3	0.71
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	3	0.71
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	3	0.71
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	3	0.71
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	3	0.71
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	3	0.71
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	13	0.71
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	13	0.71
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	13	0.71
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	13	0.71
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	13	0.71
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	13	0.71
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	10	0.71
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	10	0.71
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	10	0.71
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	10	0.71
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	10	0.71
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	10	0.71
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	10	0.71
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	19	0.71
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	19	0.71
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	13	0.71
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	13	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	13	0.71
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	5	0.71
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	5	0.71
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	5	0.71
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	5	0.71
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	7	0.71
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	7	0.71
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	7	0.71
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	7	0.71
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	7	0.71
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	7	0.71
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	9	0.71
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	9	0.71
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	19	0.71
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	9	0.71
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	9	0.71
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	9	0.71
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	9	0.71
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	9	0.71
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	9	0.71
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	8	0.71
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	8	0.71
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	8	0.71
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	8	0.71
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	8	0.71
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	8	0.71
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	8	0.71
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	17	0.71
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	17	0.71
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	17	0.71
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	7	0.71
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	14	0.71
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	20	0.71
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	5	0.71
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	5	0.71
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	14	0.71
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	6	0.71
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	6	0.71
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	12	0.71
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	12	0.71
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	13	0.71
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	2	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	12	0.71
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	11	0.71
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	11	0.71
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	11	0.71
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	11	0.71
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	11	0.71
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	11	0.71
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	15	0.71
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	13	0.71
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	5	0.71
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	5	0.71
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	1	0.71
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	4	0.71
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	20	0.71
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	20	0.71
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	20	0.71
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	20	0.71
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	20	0.71
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	20	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	1	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	1	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	1	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	1	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	1	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	1	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	1	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	1	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	1	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	1	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	1	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	1	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	5	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	5	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	5	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	5	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	5	0.71
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	5	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	5	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	5	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	5	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	5	0.71
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	5	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	5	0.71
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	15	0.71
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	15	0.71
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	3	0.71
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	10	0.71
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	13	0.71
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	15	0.71
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	2	0.71
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	8	0.71
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	8	0.71
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	8	0.71
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	17	0.71
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	17	0.71
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	17	0.71
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	17	0.71
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	17	0.71
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	17	0.71
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	6	0.71
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	6	0.71
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	6	0.71
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	8	0.71
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	8	0.71
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	8	0.71
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	11	0.71
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	11	0.71
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	11	0.71
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	18	0.7
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	7	0.7
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	7	0.7
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	7	0.7
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	7	0.7
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	18	0.7
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	18	0.7
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	2	0.7
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	2	0.7
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	16	0.7
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	16	0.7
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	5	0.7
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	5	0.7
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	5	0.7
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	2	0.7
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	2	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	15	0.7
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	15	0.7
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	18	0.7
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	18	0.7
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	6	0.7
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	17	0.7
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	9	0.7
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	9	0.7
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	9	0.7
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	9	0.7
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	9	0.7
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	9	0.7
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	13	0.7
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	20	0.7
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	20	0.7
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	20	0.7
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	3	0.7
(1,2574)	1:84:A:ILE:HD11	1:123:A:ARG:HE	18	0.7
(1,2574)	1:84:A:ILE:HD12	1:123:A:ARG:HE	18	0.7
(1,2574)	1:84:A:ILE:HD13	1:123:A:ARG:HE	18	0.7
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	4	0.7
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	3	0.7
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	3	0.7
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	3	0.7
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	3	0.7
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	3	0.7
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	3	0.7
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	18	0.7
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	18	0.7
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	18	0.7
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	3	0.7
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	4	0.7
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	12	0.7
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	13	0.7
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	14	0.7
(1,2331)	1:23:A:LEU:HG	1:156:A:PHE:HB3	18	0.7
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	11	0.7
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	11	0.7
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	11	0.7
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	14	0.7
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	14	0.7
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	14	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	13	0.7
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	13	0.7
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	13	0.7
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	13	0.7
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	14	0.7
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	14	0.7
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	14	0.7
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	16	0.7
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	16	0.7
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	16	0.7
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	16	0.7
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	16	0.7
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	16	0.7
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	10	0.7
(1,1802)	1:78:A:PHE:HD1	1:111:A:MET:HG3	11	0.7
(1,1802)	1:78:A:PHE:HD2	1:111:A:MET:HG3	11	0.7
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	11	0.7
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	11	0.7
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	11	0.7
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	11	0.7
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	11	0.7
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	11	0.7
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	6	0.7
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	6	0.7
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	6	0.7
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	6	0.7
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	6	0.7
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	6	0.7
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	8	0.7
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	8	0.7
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	3	0.7
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	11	0.7
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	15	0.7
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	16	0.7
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	9	0.7
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	11	0.7
(1,1357)	1:128:A:LYS:H	1:128:A:LYS:HD3	2	0.7
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	11	0.7
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	11	0.7
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	11	0.7
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	17	0.7
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	17	0.7
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	7	0.7
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	7	0.7
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	7	0.7
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	7	0.7
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	7	0.7
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	7	0.7
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	7	0.7
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	7	0.7
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	7	0.7
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	7	0.7
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	7	0.7
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	7	0.7
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	7	0.7
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	7	0.7
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	7	0.7
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	7	0.7
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	7	0.7
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	7	0.7
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	5	0.7
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	5	0.7
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	5	0.7
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	5	0.7
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	5	0.7
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	5	0.7
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	14	0.7
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	18	0.7
(1,955)	1:43:A:GLN:H	1:43:A:GLN:HE21	11	0.7
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	5	0.7
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	15	0.7
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	15	0.7
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	15	0.7
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	3	0.7
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	1	0.7
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	1	0.7
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	1	0.7
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	20	0.7
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	20	0.7
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	20	0.7
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	3	0.7
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	3	0.7
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	3	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	3	0.7
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	3	0.7
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	3	0.7
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	3	0.7
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	3	0.7
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	3	0.7
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	3	0.7
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	3	0.7
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	3	0.7
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	3	0.7
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	1	0.7
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	1	0.7
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	1	0.7
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	20	0.7
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	20	0.7
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	20	0.7
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	5	0.7
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	5	0.7
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	5	0.7
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	5	0.7
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	5	0.7
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	5	0.7
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	5	0.7
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	9	0.7
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	16	0.7
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	10	0.7
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	10	0.7
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	10	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	2	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	2	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	2	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	2	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	2	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	2	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	17	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	17	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	17	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	17	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	17	0.7
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	17	0.7
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	6	0.7
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	6	0.7
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	6	0.7
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	6	0.7
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	6	0.7
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	15	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	3	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	3	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	9	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	9	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	10	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	10	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	13	0.69
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	13	0.69
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	12	0.69
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	12	0.69
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	12	0.69
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	17	0.69
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	17	0.69
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	17	0.69
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	17	0.69
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	6	0.69
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	6	0.69
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	6	0.69
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	6	0.69
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	6	0.69
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	6	0.69
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	17	0.69
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	3	0.69
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	3	0.69
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	3	0.69
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	11	0.69
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	11	0.69
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	11	0.69
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	7	0.69
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	7	0.69
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	19	0.69
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	19	0.69
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	19	0.69
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	19	0.69
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	19	0.69
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	19	0.69
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	2	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	4	0.69
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	4	0.69
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	7	0.69
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	2	0.69
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	2	0.69
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	2	0.69
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	2	0.69
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	13	0.69
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	13	0.69
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	13	0.69
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	3	0.69
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	14	0.69
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	14	0.69
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	4	0.69
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	4	0.69
(1,2038)	1:90:A:PHE:HE1	1:129:A:GLN:HA	16	0.69
(1,2038)	1:90:A:PHE:HE2	1:129:A:GLN:HA	16	0.69
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	15	0.69
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	15	0.69
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	15	0.69
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	15	0.69
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	15	0.69
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	15	0.69
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	15	0.69
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	15	0.69
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	15	0.69
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	16	0.69
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	16	0.69
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	16	0.69
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	5	0.69
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	5	0.69
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	5	0.69
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	5	0.69
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	5	0.69
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	5	0.69
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	19	0.69
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	20	0.69
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	20	0.69
(1,1700)	1:100:A:ILE:HG21	1:103:A:VAL:HB	8	0.69
(1,1700)	1:100:A:ILE:HG22	1:103:A:VAL:HB	8	0.69
(1,1700)	1:100:A:ILE:HG23	1:103:A:VAL:HB	8	0.69
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	6	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	19	0.69
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	19	0.69
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	6	0.69
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	15	0.69
(1,1331)	1:95:A:HIS:HA	1:99:A:GLN:H	6	0.69
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	12	0.69
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	10	0.69
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	10	0.69
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	15	0.69
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	15	0.69
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	12	0.69
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	12	0.69
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	12	0.69
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	20	0.69
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	20	0.69
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	20	0.69
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	20	0.69
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	20	0.69
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	20	0.69
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	15	0.69
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	17	0.69
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	20	0.69
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	11	0.69
(1,865)	1:41:A:ARG:HG2	1:52:A:LEU:HD11	13	0.69
(1,865)	1:41:A:ARG:HG2	1:52:A:LEU:HD12	13	0.69
(1,865)	1:41:A:ARG:HG2	1:52:A:LEU:HD13	13	0.69
(1,865)	1:41:A:ARG:HG2	1:52:A:LEU:HD21	13	0.69
(1,865)	1:41:A:ARG:HG2	1:52:A:LEU:HD22	13	0.69
(1,865)	1:41:A:ARG:HG2	1:52:A:LEU:HD23	13	0.69
(1,865)	1:41:A:ARG:HG3	1:52:A:LEU:HD11	13	0.69
(1,865)	1:41:A:ARG:HG3	1:52:A:LEU:HD12	13	0.69
(1,865)	1:41:A:ARG:HG3	1:52:A:LEU:HD13	13	0.69
(1,865)	1:41:A:ARG:HG3	1:52:A:LEU:HD21	13	0.69
(1,865)	1:41:A:ARG:HG3	1:52:A:LEU:HD22	13	0.69
(1,865)	1:41:A:ARG:HG3	1:52:A:LEU:HD23	13	0.69
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	6	0.69
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	7	0.69
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	7	0.69
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	7	0.69
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	3	0.69
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	3	0.69
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	3	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	3	0.69
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	17	0.69
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	17	0.69
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	17	0.69
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	17	0.69
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	3	0.69
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	3	0.69
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	5	0.69
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	5	0.69
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	8	0.69
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	8	0.69
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	8	0.69
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	8	0.69
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	8	0.69
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	8	0.69
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	8	0.69
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	8	0.69
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	8	0.69
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	1	0.69
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	1	0.69
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	1	0.69
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	1	0.69
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	1	0.69
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	1	0.69
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	14	0.69
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	14	0.69
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	20	0.69
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	5	0.69
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	10	0.69
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	17	0.69
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	17	0.69
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	17	0.69
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	9	0.68
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	9	0.68
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	9	0.68
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	16	0.68
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	16	0.68
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	17	0.68
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD1	14	0.68
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD2	14	0.68
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD1	14	0.68
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD2	14	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD1	14	0.68
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD2	14	0.68
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD1	14	0.68
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD2	14	0.68
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD1	14	0.68
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD2	14	0.68
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD1	14	0.68
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD2	14	0.68
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	16	0.68
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	16	0.68
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	16	0.68
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	11	0.68
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	11	0.68
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	16	0.68
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	16	0.68
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	12	0.68
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	12	0.68
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	12	0.68
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	4	0.68
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	4	0.68
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	4	0.68
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	4	0.68
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	4	0.68
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	4	0.68
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	1	0.68
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	1	0.68
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	1	0.68
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	11	0.68
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	11	0.68
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	11	0.68
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	11	0.68
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	11	0.68
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	11	0.68
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	9	0.68
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	10	0.68
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	16	0.68
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	8	0.68
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	8	0.68
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	8	0.68
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	4	0.68
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	4	0.68
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	20	0.68
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	20	0.68
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	20	0.68
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	1	0.68
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	11	0.68
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	5	0.68
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	2	0.68
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	2	0.68
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	19	0.68
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	19	0.68
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	3	0.68
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	3	0.68
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	3	0.68
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	3	0.68
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	3	0.68
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	3	0.68
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	9	0.68
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	7	0.68
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	7	0.68
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	7	0.68
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	7	0.68
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	7	0.68
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	7	0.68
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	15	0.68
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	15	0.68
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	18	0.68
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	7	0.68
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	17	0.68
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	1	0.68
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	7	0.68
(1,1495)	1:99:A:GLN:HA	1:99:A:GLN:HE22	10	0.68
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	2	0.68
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	2	0.68
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	2	0.68
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	6	0.68
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	1	0.68
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	1	0.68
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	1	0.68
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	1	0.68
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	1	0.68
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	1	0.68
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	1	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	1	0.68
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	1	0.68
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	1	0.68
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	1	0.68
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	1	0.68
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	1	0.68
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	1	0.68
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	1	0.68
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	1	0.68
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	1	0.68
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	1	0.68
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	12	0.68
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	12	0.68
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	12	0.68
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	12	0.68
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	12	0.68
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	12	0.68
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	6	0.68
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	13	0.68
(1,1112)	1:50:A:THR:HA	1:51:A:CYS:HB3	16	0.68
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	17	0.68
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	17	0.68
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	17	0.68
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	16	0.68
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	17	0.68
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	1	0.68
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG11	18	0.68
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG12	18	0.68
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG13	18	0.68
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG21	18	0.68
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG22	18	0.68
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG23	18	0.68
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	17	0.68
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	17	0.68
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	17	0.68
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	17	0.68
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	17	0.68
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	17	0.68
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	17	0.68
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	17	0.68
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	17	0.68
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	17	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	17	0.68
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	17	0.68
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	5	0.68
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	20	0.68
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	10	0.68
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	10	0.68
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	10	0.68
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	17	0.68
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	17	0.68
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	17	0.68
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	16	0.68
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	16	0.68
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	16	0.68
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	6	0.68
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	6	0.68
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	6	0.68
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	6	0.68
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	6	0.68
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	6	0.68
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	13	0.68
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	13	0.68
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	11	0.68
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	8	0.68
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	14	0.68
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	7	0.68
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	7	0.68
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	7	0.68
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	19	0.68
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	19	0.68
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	19	0.68
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	7	0.68
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	7	0.68
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	7	0.68
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	7	0.68
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	7	0.68
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	7	0.68
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	2	0.68
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	2	0.68
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	2	0.68
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	2	0.68
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	2	0.68
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	2	0.67
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	2	0.67
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	13	0.67
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	13	0.67
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	13	0.67
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	11	0.67
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	11	0.67
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	7	0.67
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	7	0.67
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	15	0.67
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	15	0.67
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	8	0.67
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	8	0.67
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	5	0.67
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	7	0.67
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	3	0.67
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	15	0.67
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	10	0.67
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	10	0.67
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	10	0.67
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	9	0.67
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	9	0.67
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	9	0.67
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	9	0.67
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	9	0.67
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	9	0.67
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	19	0.67
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	19	0.67
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	19	0.67
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	17	0.67
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	11	0.67
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	11	0.67
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	11	0.67
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	11	0.67
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	11	0.67
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	11	0.67
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	6	0.67
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	6	0.67
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	6	0.67
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	17	0.67
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	19	0.67
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	16	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	9	0.67
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	9	0.67
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	15	0.67
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	1	0.67
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	1	0.67
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	1	0.67
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	2	0.67
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	6	0.67
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	17	0.67
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	17	0.67
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	4	0.67
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	4	0.67
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	4	0.67
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	4	0.67
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	4	0.67
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	4	0.67
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	6	0.67
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	6	0.67
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	6	0.67
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	6	0.67
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	6	0.67
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	6	0.67
(1,1846)	1:41:A:ARG:HD2	1:52:A:LEU:HB2	7	0.67
(1,1846)	1:41:A:ARG:HD3	1:52:A:LEU:HB2	7	0.67
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	3	0.67
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	5	0.67
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	5	0.67
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	5	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	3	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	3	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	3	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	3	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	3	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	3	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	15	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	15	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	15	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	15	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	15	0.67
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	15	0.67
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	15	0.67
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	7	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	7	0.67
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	7	0.67
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	17	0.67
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	15	0.67
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	15	0.67
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	5	0.67
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	5	0.67
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	15	0.67
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	15	0.67
(1,1625)	1:97:A:ARG:H	1:97:A:ARG:HD3	2	0.67
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	17	0.67
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	17	0.67
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	14	0.67
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	14	0.67
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	15	0.67
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	15	0.67
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	3	0.67
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	3	0.67
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	3	0.67
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	3	0.67
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	3	0.67
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	3	0.67
(1,1357)	1:128:A:LYS:H	1:128:A:LYS:HD3	10	0.67
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	18	0.67
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	18	0.67
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	18	0.67
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	18	0.67
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	13	0.67
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	13	0.67
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	13	0.67
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	13	0.67
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	13	0.67
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	13	0.67
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	4	0.67
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	4	0.67
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	4	0.67
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	4	0.67
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	4	0.67
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	4	0.67
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	4	0.67
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	4	0.67
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	4	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	4	0.67
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	4	0.67
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	4	0.67
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD11	17	0.67
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD12	17	0.67
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD13	17	0.67
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD21	17	0.67
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD22	17	0.67
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD23	17	0.67
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	17	0.67
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	17	0.67
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	1	0.67
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	1	0.67
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	1	0.67
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	9	0.67
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	9	0.67
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	9	0.67
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	15	0.67
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	15	0.67
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	15	0.67
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	14	0.67
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	14	0.67
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	14	0.67
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	14	0.67
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	14	0.67
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	14	0.67
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	17	0.67
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	17	0.67
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	17	0.67
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	4	0.67
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	7	0.67
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	14	0.67
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	11	0.67
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	11	0.67
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	11	0.67
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	11	0.67
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	11	0.67
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	11	0.67
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	14	0.67
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	20	0.67
(1,115)	1:95:A:HIS:HA	1:98:A:GLU:H	6	0.67
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	3	0.67
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	3	0.67
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	3	0.67
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	3	0.67
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	3	0.67
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	13	0.67
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	18	0.66
(1,3277)	1:112:A:VAL:H	1:159:A:LEU:HA	17	0.66
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	8	0.66
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	8	0.66
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	20	0.66
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	1	0.66
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	1	0.66
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	1	0.66
(1,3008)	1:58:A:THR:HB	1:68:A:ARG:HE	20	0.66
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	15	0.66
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	20	0.66
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	17	0.66
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	17	0.66
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	12	0.66
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	12	0.66
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	12	0.66
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	13	0.66
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	13	0.66
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	13	0.66
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	13	0.66
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	13	0.66
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	13	0.66
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	15	0.66
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	15	0.66
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	15	0.66
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	15	0.66
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	15	0.66
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	15	0.66
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	15	0.66
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	15	0.66
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	15	0.66
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	9	0.66
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	9	0.66
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	9	0.66
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	9	0.66
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	9	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	9	0.66
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	1	0.66
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	1	0.66
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	8	0.66
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	8	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	1	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	1	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	1	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	9	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	9	0.66
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	9	0.66
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	19	0.66
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	8	0.66
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	5	0.66
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	5	0.66
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	5	0.66
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	5	0.66
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	5	0.66
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	5	0.66
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	18	0.66
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	18	0.66
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	18	0.66
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	18	0.66
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	18	0.66
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	18	0.66
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	11	0.66
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	17	0.66
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	9	0.66
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	9	0.66
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	9	0.66
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	9	0.66
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	9	0.66
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	9	0.66
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	5	0.66
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	5	0.66
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	5	0.66
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	16	0.66
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	16	0.66
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	16	0.66
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	6	0.66
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	6	0.66
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	12	0.66
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	12	0.66
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	13	0.66
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	4	0.66
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	4	0.66
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	4	0.66
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	4	0.66
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	4	0.66
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	4	0.66
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	4	0.66
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	4	0.66
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	4	0.66
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	4	0.66
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	4	0.66
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	4	0.66
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	4	0.66
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	4	0.66
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	4	0.66
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	4	0.66
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	4	0.66
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	4	0.66
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	6	0.66
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	6	0.66
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	3	0.66
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	1	0.66
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	3	0.66
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	3	0.66
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	3	0.66
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	7	0.66
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	7	0.66
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	7	0.66
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD11	2	0.66
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD12	2	0.66
(1,1266)	1:138:A:GLY:HA2	1:139:A:ILE:HD13	2	0.66
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	12	0.66
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	12	0.66
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	8	0.66
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	11	0.66
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	2	0.66
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	2	0.66
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	2	0.66
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	2	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	2	0.66
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	2	0.66
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	2	0.66
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	2	0.66
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	2	0.66
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	2	0.66
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	2	0.66
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	2	0.66
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	2	0.66
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	2	0.66
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	2	0.66
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	2	0.66
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	2	0.66
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	2	0.66
(1,1192)	1:56:A:LEU:HD11	1:71:A:TYR:HE1	6	0.66
(1,1192)	1:56:A:LEU:HD11	1:71:A:TYR:HE2	6	0.66
(1,1192)	1:56:A:LEU:HD12	1:71:A:TYR:HE1	6	0.66
(1,1192)	1:56:A:LEU:HD12	1:71:A:TYR:HE2	6	0.66
(1,1192)	1:56:A:LEU:HD13	1:71:A:TYR:HE1	6	0.66
(1,1192)	1:56:A:LEU:HD13	1:71:A:TYR:HE2	6	0.66
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	1	0.66
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	1	0.66
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	19	0.66
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	19	0.66
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	7	0.66
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	7	0.66
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	7	0.66
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB2	4	0.66
(1,918)	1:25:A:GLN:HE22	1:40:A:TYR:HB3	4	0.66
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	20	0.66
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	20	0.66
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	15	0.66
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	15	0.66
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	15	0.66
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	15	0.66
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	15	0.66
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	14	0.66
(1,605)	1:36:A:ILE:HD11	1:37:A:GLU:H	14	0.66
(1,605)	1:36:A:ILE:HD12	1:37:A:GLU:H	14	0.66
(1,605)	1:36:A:ILE:HD13	1:37:A:GLU:H	14	0.66
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	6	0.66
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	6	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	6	0.66
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	11	0.66
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	11	0.66
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	11	0.66
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	8	0.66
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	8	0.66
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	8	0.66
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	1	0.66
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	1	0.66
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	1	0.66
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	1	0.66
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	1	0.66
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	1	0.66
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	8	0.66
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	8	0.66
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	8	0.66
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	8	0.66
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	8	0.66
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	8	0.66
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	14	0.66
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	14	0.66
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	14	0.66
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	15	0.66
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	18	0.66
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	20	0.66
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	20	0.66
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	20	0.66
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	20	0.66
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	20	0.66
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	20	0.66
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	1	0.66
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	1	0.66
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	1	0.66
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	1	0.66
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	1	0.66
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	1	0.66
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	11	0.65
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	11	0.65
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	11	0.65
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	11	0.65
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	11	0.65
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	11	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	11	0.65
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	11	0.65
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	11	0.65
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	11	0.65
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	11	0.65
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	11	0.65
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	14	0.65
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	14	0.65
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	2	0.65
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	16	0.65
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	16	0.65
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	18	0.65
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	18	0.65
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	6	0.65
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	19	0.65
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG21	7	0.65
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG22	7	0.65
(1,2772)	1:145:A:SER:H	1:148:A:THR:HG23	7	0.65
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	18	0.65
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	18	0.65
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	18	0.65
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	7	0.65
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	7	0.65
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	7	0.65
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	12	0.65
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	12	0.65
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	11	0.65
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	14	0.65
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	8	0.65
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	8	0.65
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	8	0.65
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	8	0.65
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	8	0.65
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	8	0.65
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	8	0.65
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	8	0.65
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	8	0.65
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	8	0.65
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	8	0.65
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	8	0.65
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	4	0.65
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	4	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	9	0.65
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	9	0.65
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	17	0.65
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	17	0.65
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	17	0.65
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	17	0.65
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	17	0.65
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	17	0.65
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	18	0.65
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	18	0.65
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	18	0.65
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	18	0.65
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	18	0.65
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	18	0.65
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	6	0.65
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	6	0.65
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	5	0.65
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	16	0.65
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	19	0.65
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	19	0.65
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	19	0.65
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	19	0.65
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	19	0.65
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	19	0.65
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	14	0.65
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	14	0.65
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	5	0.65
(1,2026)	1:128:A:LYS:H	1:128:A:LYS:HD2	11	0.65
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	7	0.65
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	7	0.65
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	7	0.65
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	7	0.65
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	7	0.65
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	7	0.65
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	8	0.65
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	8	0.65
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	6	0.65
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	8	0.65
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	8	0.65
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	8	0.65
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	10	0.65
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	10	0.65
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	15	0.65
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	15	0.65
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	18	0.65
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	18	0.65
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	18	0.65
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	18	0.65
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	18	0.65
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	18	0.65
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	18	0.65
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	18	0.65
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	18	0.65
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	18	0.65
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	18	0.65
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	18	0.65
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	18	0.65
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	18	0.65
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	18	0.65
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	18	0.65
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	18	0.65
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	18	0.65
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	18	0.65
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	20	0.65
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	19	0.65
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	19	0.65
(1,1441)	1:46:A:ILE:HG13	1:47:A:ASP:H	5	0.65
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE1	13	0.65
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE2	13	0.65
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	16	0.65
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	16	0.65
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	16	0.65
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	13	0.65
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	13	0.65
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	13	0.65
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	13	0.65
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	13	0.65
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	13	0.65
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	17	0.65
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	17	0.65
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	17	0.65
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	17	0.65
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	17	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	17	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	1	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	2	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	5	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	10	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	15	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	17	0.65
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	19	0.65
(1,1188)	1:56:A:LEU:HD11	1:71:A:TYR:HD1	16	0.65
(1,1188)	1:56:A:LEU:HD11	1:71:A:TYR:HD2	16	0.65
(1,1188)	1:56:A:LEU:HD12	1:71:A:TYR:HD1	16	0.65
(1,1188)	1:56:A:LEU:HD12	1:71:A:TYR:HD2	16	0.65
(1,1188)	1:56:A:LEU:HD13	1:71:A:TYR:HD1	16	0.65
(1,1188)	1:56:A:LEU:HD13	1:71:A:TYR:HD2	16	0.65
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	4	0.65
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	4	0.65
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	2	0.65
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	2	0.65
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	2	0.65
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	2	0.65
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	2	0.65
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	2	0.65
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	8	0.65
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	8	0.65
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	8	0.65
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	10	0.65
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	10	0.65
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	17	0.65
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	17	0.65
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	17	0.65
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	19	0.65
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	19	0.65
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	1	0.65
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	1	0.65
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	1	0.65
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	1	0.65
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	13	0.65
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	2	0.65
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	2	0.65
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	2	0.65
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	13	0.65
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	13	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	13	0.65
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	13	0.65
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	13	0.65
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	13	0.65
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	4	0.65
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	20	0.65
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	20	0.65
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	20	0.65
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	20	0.65
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	20	0.65
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	20	0.65
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	12	0.65
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	12	0.65
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	15	0.65
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	15	0.65
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	15	0.65
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	13	0.65
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	13	0.65
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	3	0.65
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	4	0.65
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	4	0.65
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	4	0.65
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	12	0.65
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	12	0.65
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	12	0.65
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	12	0.65
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	12	0.65
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	12	0.65
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	8	0.64
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	8	0.64
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	8	0.64
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	2	0.64
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	1	0.64
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	1	0.64
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	1	0.64
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	1	0.64
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	1	0.64
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	1	0.64
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	1	0.64
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	1	0.64
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	1	0.64
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	1	0.64
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	1	0.64
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	7	0.64
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	7	0.64
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	7	0.64
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	17	0.64
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	17	0.64
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	17	0.64
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	17	0.64
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	17	0.64
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	17	0.64
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	2	0.64
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	2	0.64
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	2	0.64
(1,3116)	1:85:A:ASN:HB2	1:124:A:THR:H	14	0.64
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	9	0.64
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	9	0.64
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	9	0.64
(1,3054)	1:128:A:LYS:H	1:128:A:LYS:HB3	4	0.64
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	6	0.64
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	6	0.64
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	8	0.64
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	20	0.64
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	4	0.64
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	4	0.64
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	4	0.64
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	4	0.64
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	4	0.64
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	4	0.64
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	19	0.64
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	19	0.64
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	16	0.64
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	16	0.64
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	16	0.64
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	11	0.64
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	11	0.64
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	11	0.64
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	4	0.64
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	4	0.64
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	13	0.64
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	13	0.64
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	13	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	7	0.64
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	7	0.64
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	7	0.64
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	12	0.64
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	12	0.64
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	12	0.64
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	19	0.64
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	19	0.64
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	7	0.64
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	7	0.64
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	7	0.64
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	7	0.64
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	17	0.64
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	17	0.64
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	17	0.64
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	3	0.64
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	3	0.64
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	3	0.64
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	8	0.64
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	8	0.64
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	8	0.64
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	11	0.64
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	11	0.64
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	11	0.64
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	17	0.64
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	17	0.64
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	17	0.64
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	17	0.64
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	17	0.64
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	17	0.64
(1,1824)	1:79:A:LEU:HA	1:112:A:VAL:HB	9	0.64
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	19	0.64
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	19	0.64
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	19	0.64
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	19	0.64
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	19	0.64
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	19	0.64
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	4	0.64
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	4	0.64
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	3	0.64
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	20	0.64
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	12	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	12	0.64
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	12	0.64
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	12	0.64
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	12	0.64
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	12	0.64
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	8	0.64
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	19	0.64
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	19	0.64
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	19	0.64
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	16	0.64
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	16	0.64
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	16	0.64
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	5	0.64
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	5	0.64
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	5	0.64
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	1	0.64
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	1	0.64
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	1	0.64
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	1	0.64
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	1	0.64
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	1	0.64
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	7	0.64
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	9	0.64
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	12	0.64
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	13	0.64
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	16	0.64
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	20	0.64
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	7	0.64
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	7	0.64
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	4	0.64
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	15	0.64
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	15	0.64
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	15	0.64
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	15	0.64
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	15	0.64
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	15	0.64
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	15	0.64
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	15	0.64
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	15	0.64
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	15	0.64
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	15	0.64
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	20	0.64
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	3	0.64
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	3	0.64
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	6	0.64
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	6	0.64
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	4	0.64
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	4	0.64
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	4	0.64
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	4	0.64
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	5	0.64
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	5	0.64
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	5	0.64
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	8	0.64
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	8	0.64
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	8	0.64
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	15	0.64
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	15	0.64
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	15	0.64
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	17	0.64
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	17	0.64
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	17	0.64
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	19	0.64
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	19	0.64
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	19	0.64
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	16	0.64
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	16	0.64
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	16	0.64
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	16	0.64
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	9	0.64
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	9	0.64
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	9	0.64
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	9	0.64
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	9	0.64
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	9	0.64
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	4	0.64
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	7	0.64
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	2	0.64
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	2	0.64
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	2	0.64
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	5	0.64
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	5	0.64
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	5	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	13	0.64
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	12	0.64
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	12	0.64
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	12	0.64
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	6	0.64
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	7	0.64
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	17	0.64
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	18	0.64
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	19	0.64
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	15	0.64
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	3	0.64
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	3	0.64
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	7	0.64
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	12	0.64
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	14	0.64
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	15	0.64
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	9	0.63
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	9	0.63
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	12	0.63
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	2	0.63
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	1	0.63
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	1	0.63
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	1	0.63
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	1	0.63
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	16	0.63
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	16	0.63
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	16	0.63
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	16	0.63
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	16	0.63
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	16	0.63
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	10	0.63
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	10	0.63
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	10	0.63
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	19	0.63
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	6	0.63
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	7	0.63
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	2	0.63
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	2	0.63
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	19	0.63
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	16	0.63
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	19	0.63
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	9	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	9	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	1	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	1	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	1	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	1	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	1	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	1	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	1	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	1	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	1	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	13	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	13	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	13	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	13	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	13	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	13	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	13	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	13	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	13	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	17	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	17	0.63
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	17	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	17	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	17	0.63
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	17	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	17	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	17	0.63
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	17	0.63
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	7	0.63
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	7	0.63
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	2	0.63
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	2	0.63
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	2	0.63
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	5	0.63
(1,2156)	1:111:A:MET:H	1:140:A:PRO:HD3	17	0.63
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	17	0.63
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	17	0.63
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	17	0.63
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	17	0.63
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	17	0.63
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	17	0.63
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	16	0.63
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	16	0.63
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	16	0.63
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	16	0.63
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	6	0.63
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	6	0.63
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	6	0.63
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	6	0.63
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	6	0.63
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	19	0.63
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	19	0.63
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	19	0.63
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	10	0.63
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	8	0.63
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	7	0.63
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	7	0.63
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	17	0.63
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	17	0.63
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	17	0.63
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	17	0.63
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	17	0.63
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	17	0.63
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	20	0.63
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	20	0.63
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	14	0.63
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	17	0.63
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	6	0.63
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	6	0.63
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	6	0.63
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	17	0.63
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	12	0.63
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	18	0.63
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	5	0.63
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	5	0.63
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	5	0.63
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	5	0.63
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	5	0.63
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	5	0.63
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	20	0.63
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	20	0.63
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	1	0.63
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	4	0.63
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	6	0.63
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	18	0.63
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	12	0.63
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	12	0.63
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	16	0.63
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	16	0.63
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	3	0.63
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	17	0.63
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	11	0.63
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	11	0.63
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	11	0.63
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	14	0.63
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	14	0.63
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	14	0.63
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	6	0.63
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	6	0.63
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	6	0.63
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	9	0.63
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	9	0.63
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	9	0.63
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	16	0.63
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	16	0.63
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	16	0.63
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	4	0.63
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	9	0.63
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	9	0.63
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	9	0.63
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB2	9	0.63
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB3	9	0.63
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	11	0.63
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	7	0.63
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	7	0.63
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	7	0.63
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	7	0.63
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	7	0.63
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	7	0.63
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	12	0.63
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	1	0.63
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	3	0.63
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD1	5	0.63
(1,120)	1:93:A:ILE:HD11	1:96:A:TYR:HD2	5	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD1	5	0.63
(1,120)	1:93:A:ILE:HD12	1:96:A:TYR:HD2	5	0.63
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD1	5	0.63
(1,120)	1:93:A:ILE:HD13	1:96:A:TYR:HD2	5	0.63
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	17	0.63
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	2	0.62
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	2	0.62
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	3	0.62
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	3	0.62
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	20	0.62
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	20	0.62
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	7	0.62
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	7	0.62
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	7	0.62
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	7	0.62
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	20	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	10	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	10	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	10	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	10	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	10	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	10	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	15	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	15	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	15	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	15	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	15	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	15	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	19	0.62
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	19	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	19	0.62
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	19	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	19	0.62
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	19	0.62
(1,2737)	1:28:A:PHE:HD1	1:146:A:ALA:HB1	16	0.62
(1,2737)	1:28:A:PHE:HD1	1:146:A:ALA:HB2	16	0.62
(1,2737)	1:28:A:PHE:HD1	1:146:A:ALA:HB3	16	0.62
(1,2737)	1:28:A:PHE:HD2	1:146:A:ALA:HB1	16	0.62
(1,2737)	1:28:A:PHE:HD2	1:146:A:ALA:HB2	16	0.62
(1,2737)	1:28:A:PHE:HD2	1:146:A:ALA:HB3	16	0.62
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	19	0.62
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	19	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	19	0.62
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	19	0.62
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	19	0.62
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	19	0.62
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	12	0.62
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	12	0.62
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	12	0.62
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	12	0.62
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	12	0.62
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	12	0.62
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	4	0.62
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	18	0.62
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	7	0.62
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	7	0.62
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	7	0.62
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	7	0.62
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	7	0.62
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	7	0.62
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	2	0.62
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	2	0.62
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	2	0.62
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	2	0.62
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	2	0.62
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	2	0.62
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	14	0.62
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	14	0.62
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	14	0.62
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	14	0.62
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	14	0.62
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	14	0.62
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	6	0.62
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	6	0.62
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	6	0.62
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	6	0.62
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	6	0.62
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	6	0.62
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	6	0.62
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	6	0.62
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	6	0.62
(1,2268)	1:150:A:GLN:HG3	1:151:A:GLY:H	2	0.62
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	20	0.62
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	20	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	20	0.62
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	11	0.62
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	11	0.62
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	11	0.62
(1,2176)	1:148:A:THR:HG21	2:201:A:GNP:HN1	20	0.62
(1,2176)	1:148:A:THR:HG22	2:201:A:GNP:HN1	20	0.62
(1,2176)	1:148:A:THR:HG23	2:201:A:GNP:HN1	20	0.62
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	20	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	2	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	2	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	2	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	5	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	5	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	5	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	6	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	6	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	6	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	7	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	7	0.62
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	7	0.62
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	1	0.62
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	1	0.62
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	1	0.62
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	1	0.62
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	16	0.62
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	16	0.62
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB2	14	0.62
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB3	14	0.62
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB2	14	0.62
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB3	14	0.62
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	8	0.62
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	8	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	6	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	6	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	6	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	6	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	6	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	6	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	12	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	12	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	12	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	12	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	12	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	12	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	19	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	19	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	19	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	19	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	19	0.62
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	19	0.62
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	12	0.62
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	16	0.62
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	11	0.62
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	11	0.62
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	11	0.62
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	11	0.62
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	13	0.62
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	17	0.62
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	20	0.62
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	1	0.62
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	7	0.62
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	16	0.62
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	1	0.62
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	1	0.62
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	14	0.62
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	14	0.62
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	14	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	1	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	2	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	4	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	5	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	6	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	7	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	8	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	10	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	11	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	13	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	14	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	15	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	16	0.62
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	17	0.62
(1,1357)	1:128:A:LYS:H	1:128:A:LYS:HD3	7	0.62
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	2	0.62
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	2	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	2	0.62
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	2	0.62
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	2	0.62
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	2	0.62
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	16	0.62
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	16	0.62
(1,1223)	1:95:A:HIS:H	1:95:A:HIS:HB3	14	0.62
(1,1192)	1:56:A:LEU:HD11	1:71:A:TYR:HE1	16	0.62
(1,1192)	1:56:A:LEU:HD11	1:71:A:TYR:HE2	16	0.62
(1,1192)	1:56:A:LEU:HD12	1:71:A:TYR:HE1	16	0.62
(1,1192)	1:56:A:LEU:HD12	1:71:A:TYR:HE2	16	0.62
(1,1192)	1:56:A:LEU:HD13	1:71:A:TYR:HE1	16	0.62
(1,1192)	1:56:A:LEU:HD13	1:71:A:TYR:HE2	16	0.62
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	6	0.62
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	7	0.62
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	7	0.62
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	7	0.62
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	7	0.62
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	7	0.62
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	7	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	3	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	3	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	3	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	3	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	3	0.62
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	3	0.62
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	3	0.62
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	3	0.62
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	3	0.62
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	3	0.62
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	3	0.62
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	3	0.62
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	4	0.62
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	4	0.62
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	16	0.62
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	16	0.62
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	16	0.62
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	9	0.62
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	9	0.62
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	18	0.62
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	18	0.62
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	18	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	2	0.62
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	2	0.62
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	2	0.62
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	2	0.62
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	2	0.62
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	2	0.62
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	10	0.62
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	10	0.62
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	10	0.62
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	4	0.62
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	4	0.62
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	4	0.62
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	4	0.62
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	4	0.62
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	4	0.62
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	14	0.62
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	15	0.62
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	1	0.62
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	1	0.62
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	7	0.62
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	7	0.62
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	17	0.62
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	17	0.62
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	17	0.62
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	17	0.62
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	17	0.62
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	17	0.62
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	17	0.62
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	17	0.62
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	17	0.62
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	17	0.62
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	17	0.62
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	17	0.62
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	17	0.62
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	17	0.62
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	17	0.62
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	17	0.62
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	17	0.62
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	17	0.62
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	17	0.62
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	17	0.62
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	17	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	17	0.62
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	17	0.62
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	17	0.62
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	17	0.62
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	17	0.62
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	17	0.62
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	17	0.62
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	17	0.62
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	17	0.62
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	17	0.62
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	17	0.62
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	17	0.62
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	17	0.62
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	17	0.62
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	17	0.62
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	20	0.62
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	6	0.61
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	6	0.61
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	6	0.61
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	6	0.61
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	6	0.61
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	6	0.61
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	6	0.61
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	6	0.61
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	6	0.61
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	6	0.61
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	6	0.61
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	6	0.61
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	19	0.61
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	19	0.61
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	19	0.61
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	14	0.61
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	18	0.61
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	18	0.61
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	11	0.61
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	20	0.61
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	20	0.61
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	20	0.61
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	20	0.61
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	20	0.61
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	20	0.61
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	20	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	20	0.61
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	8	0.61
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	8	0.61
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	8	0.61
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	8	0.61
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	8	0.61
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	8	0.61
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	4	0.61
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	4	0.61
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	4	0.61
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	18	0.61
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	18	0.61
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	18	0.61
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	1	0.61
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	1	0.61
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	1	0.61
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	1	0.61
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	1	0.61
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	1	0.61
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	19	0.61
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	19	0.61
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	19	0.61
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	19	0.61
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	19	0.61
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	19	0.61
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	19	0.61
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	19	0.61
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	19	0.61
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	19	0.61
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	19	0.61
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	19	0.61
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	2	0.61
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	1	0.61
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	1	0.61
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	17	0.61
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	17	0.61
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	6	0.61
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	6	0.61
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	6	0.61
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	6	0.61
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	6	0.61
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	7	0.61
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	7	0.61
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	7	0.61
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	7	0.61
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	7	0.61
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	7	0.61
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	20	0.61
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	17	0.61
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	17	0.61
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	17	0.61
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	12	0.61
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	12	0.61
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	12	0.61
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	14	0.61
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	14	0.61
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	9	0.61
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	9	0.61
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	9	0.61
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	9	0.61
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	9	0.61
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	9	0.61
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	18	0.61
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	8	0.61
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG21	6	0.61
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG22	6	0.61
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG23	6	0.61
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG21	6	0.61
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG22	6	0.61
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG23	6	0.61
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	3	0.61
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	3	0.61
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	5	0.61
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	15	0.61
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	15	0.61
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	15	0.61
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	8	0.61
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	8	0.61
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	8	0.61
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	11	0.61
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	11	0.61
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	11	0.61
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	11	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	11	0.61
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	11	0.61
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	16	0.61
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	16	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	3	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	3	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	3	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	3	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	3	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	3	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	10	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	10	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	10	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	10	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	10	0.61
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	10	0.61
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	16	0.61
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	16	0.61
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	10	0.61
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	4	0.61
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	4	0.61
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	4	0.61
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	4	0.61
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	4	0.61
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	4	0.61
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	3	0.61
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	3	0.61
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	3	0.61
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	13	0.61
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	9	0.61
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	9	0.61
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	9	0.61
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	9	0.61
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	19	0.61
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	20	0.61
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	7	0.61
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	7	0.61
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	7	0.61
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	7	0.61
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	7	0.61
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	7	0.61
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	7	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	7	0.61
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	7	0.61
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	7	0.61
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	7	0.61
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	7	0.61
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	7	0.61
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	7	0.61
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	19	0.61
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	19	0.61
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	19	0.61
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	20	0.61
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	20	0.61
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	20	0.61
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	20	0.61
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	20	0.61
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	20	0.61
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	17	0.61
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	17	0.61
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	17	0.61
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	17	0.61
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	8	0.61
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	8	0.61
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	6	0.61
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	6	0.61
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	19	0.61
(1,911)	1:97:A:ARG:HD2	1:137:A:TYR:HD1	2	0.61
(1,911)	1:97:A:ARG:HD2	1:137:A:TYR:HD2	2	0.61
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	3	0.61
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	3	0.61
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	3	0.61
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	2	0.61
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	2	0.61
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	2	0.61
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	2	0.61
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	2	0.61
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	2	0.61
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	3	0.61
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	3	0.61
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	3	0.61
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	2	0.61
(1,575)	1:165:A:LYS:HB2	1:166:A:HIS:HA	13	0.61
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	15	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	4	0.61
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	13	0.61
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	13	0.61
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	13	0.61
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	11	0.61
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	11	0.61
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	11	0.61
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	12	0.61
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	12	0.61
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	16	0.61
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	16	0.61
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	16	0.61
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	16	0.61
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	16	0.61
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	16	0.61
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	13	0.61
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	1	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	2	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	2	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	2	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	5	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	5	0.61
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	5	0.61
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	8	0.61
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	8	0.61
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG11	8	0.61
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG12	8	0.61
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG13	8	0.61
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG21	8	0.61
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG22	8	0.61
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG23	8	0.61
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	8	0.61
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	13	0.6
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	13	0.6
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	18	0.6
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	18	0.6
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	1	0.6
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	2	0.6
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	11	0.6
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	9	0.6
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	9	0.6
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	6	0.6
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	6	0.6
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	6	0.6
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	12	0.6
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	5	0.6
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	5	0.6
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	5	0.6
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	5	0.6
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	5	0.6
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	5	0.6
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	3	0.6
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	3	0.6
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	3	0.6
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	3	0.6
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	3	0.6
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	3	0.6
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	7	0.6
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	3	0.6
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	19	0.6
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	9	0.6
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	10	0.6
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	10	0.6
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	19	0.6
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	19	0.6
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	19	0.6
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	19	0.6
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	19	0.6
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	19	0.6
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	13	0.6
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	19	0.6
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	19	0.6
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	19	0.6
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	19	0.6
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	19	0.6
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	19	0.6
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	19	0.6
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	1	0.6
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	10	0.6
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	10	0.6
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	10	0.6
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	18	0.6
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	18	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	18	0.6
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	18	0.6
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	18	0.6
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	18	0.6
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	4	0.6
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	4	0.6
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	5	0.6
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	5	0.6
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	5	0.6
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	5	0.6
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	13	0.6
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	9	0.6
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	9	0.6
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	9	0.6
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	9	0.6
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	9	0.6
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	9	0.6
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	16	0.6
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	18	0.6
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	5	0.6
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	13	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	1	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	1	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	7	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	7	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	10	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	10	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	18	0.6
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	18	0.6
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	18	0.6
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	18	0.6
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	19	0.6
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	19	0.6
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	19	0.6
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	19	0.6
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	19	0.6
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	19	0.6
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	18	0.6
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	18	0.6
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	18	0.6
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	19	0.6
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	19	0.6
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	8	0.6
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	15	0.6
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	15	0.6
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	15	0.6
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	10	0.6
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	10	0.6
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	10	0.6
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	10	0.6
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	10	0.6
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	10	0.6
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	11	0.6
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	11	0.6
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	11	0.6
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	11	0.6
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	11	0.6
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	11	0.6
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	18	0.6
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	18	0.6
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	18	0.6
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	15	0.6
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	10	0.6
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	10	0.6
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	10	0.6
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	15	0.6
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	15	0.6
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	15	0.6
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	8	0.6
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	8	0.6
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	8	0.6
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	8	0.6
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	8	0.6
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	8	0.6
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	8	0.6
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	8	0.6
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	8	0.6
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	8	0.6
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	8	0.6
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	8	0.6
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	15	0.6
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	15	0.6
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	6	0.6
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	6	0.6
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	7	0.6
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	7	0.6
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	7	0.6
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	7	0.6
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	7	0.6
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	7	0.6
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	12	0.6
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	12	0.6
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	12	0.6
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	12	0.6
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	12	0.6
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	12	0.6
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	17	0.6
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	5	0.6
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	5	0.6
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	5	0.6
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	5	0.6
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	5	0.6
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	5	0.6
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	16	0.6
(1,421)	1:21:A:ILE:HD11	1:25:A:GLN:HE22	3	0.6
(1,421)	1:21:A:ILE:HD12	1:25:A:GLN:HE22	3	0.6
(1,421)	1:21:A:ILE:HD13	1:25:A:GLN:HE22	3	0.6
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	5	0.6
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	19	0.6
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	19	0.6
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	19	0.6
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	10	0.59
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	10	0.59
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	10	0.59
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	14	0.59
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	14	0.59
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	14	0.59
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	8	0.59
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	8	0.59
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	20	0.59
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	20	0.59
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	9	0.59
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	9	0.59
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	9	0.59
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	9	0.59
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	9	0.59
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	2	0.59
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	12	0.59
(1,3125)	1:58:A:THR:HG21	1:68:A:ARG:HE	20	0.59
(1,3125)	1:58:A:THR:HG22	1:68:A:ARG:HE	20	0.59
(1,3125)	1:58:A:THR:HG23	1:68:A:ARG:HE	20	0.59
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	4	0.59
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	8	0.59
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	8	0.59
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	8	0.59
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	8	0.59
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	9	0.59
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	9	0.59
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	9	0.59
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	9	0.59
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	1	0.59
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	1	0.59
(1,2835)	1:73:A:ARG:HB2	1:73:A:ARG:HE	4	0.59
(1,2835)	1:73:A:ARG:HB3	1:73:A:ARG:HE	4	0.59
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB2	13	0.59
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB3	13	0.59
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB2	13	0.59
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB3	13	0.59
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB2	13	0.59
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB3	13	0.59
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	7	0.59
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	11	0.59
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	11	0.59
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	11	0.59
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	5	0.59
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	5	0.59
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	5	0.59
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	5	0.59
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	5	0.59
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	5	0.59
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	5	0.59
(1,2518)	1:164:A:ARG:H	1:165:A:LYS:HG2	15	0.59
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	8	0.59
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	8	0.59
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	8	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	18	0.59
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	18	0.59
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	18	0.59
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	18	0.59
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	18	0.59
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	18	0.59
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	18	0.59
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	18	0.59
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	18	0.59
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	12	0.59
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	12	0.59
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	12	0.59
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	1	0.59
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	1	0.59
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	2	0.59
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	15	0.59
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	15	0.59
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	15	0.59
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	15	0.59
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	17	0.59
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	6	0.59
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	6	0.59
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	6	0.59
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	6	0.59
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	20	0.59
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	20	0.59
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	20	0.59
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	12	0.59
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	12	0.59
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	12	0.59
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	12	0.59
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	9	0.59
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	9	0.59
(1,1974)	1:42:A:LYS:HG2	1:43:A:GLN:HA	16	0.59
(1,1974)	1:42:A:LYS:HG3	1:43:A:GLN:HA	16	0.59
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	12	0.59
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	12	0.59
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	12	0.59
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	12	0.59
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	12	0.59
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	12	0.59
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	13	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	13	0.59
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	13	0.59
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	13	0.59
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	13	0.59
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	13	0.59
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG11	13	0.59
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG12	13	0.59
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG13	13	0.59
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG21	13	0.59
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG22	13	0.59
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG23	13	0.59
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	7	0.59
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	7	0.59
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	7	0.59
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	7	0.59
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	7	0.59
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	7	0.59
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	10	0.59
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	7	0.59
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	7	0.59
(1,1632)	1:4:A:TYR:HD1	1:51:A:CYS:HB3	8	0.59
(1,1632)	1:4:A:TYR:HD2	1:51:A:CYS:HB3	8	0.59
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	17	0.59
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	12	0.59
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	12	0.59
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	9	0.59
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	9	0.59
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	9	0.59
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	9	0.59
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	9	0.59
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	9	0.59
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	20	0.59
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	20	0.59
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	20	0.59
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	18	0.59
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	18	0.59
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	18	0.59
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	18	0.59
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	18	0.59
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	18	0.59
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	18	0.59
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	18	0.59
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	18	0.59
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	18	0.59
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	18	0.59
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	18	0.59
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	18	0.59
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	18	0.59
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	18	0.59
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	18	0.59
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	18	0.59
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	18	0.59
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	11	0.59
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	11	0.59
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	11	0.59
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	11	0.59
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	11	0.59
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	11	0.59
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	5	0.59
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	18	0.59
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	7	0.59
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	14	0.59
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	14	0.59
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	14	0.59
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	2	0.59
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	8	0.59
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD21	9	0.59
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD22	9	0.59
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD23	9	0.59
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD11	9	0.59
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD12	9	0.59
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD13	9	0.59
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD21	9	0.59
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD22	9	0.59
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD23	9	0.59
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	8	0.59
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	19	0.59
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	19	0.59
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	19	0.59
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	14	0.59
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	14	0.59
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	14	0.59
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	5	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	12	0.59
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	12	0.59
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	12	0.59
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	4	0.59
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	6	0.59
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	6	0.59
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	6	0.59
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	6	0.59
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	6	0.59
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	6	0.59
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	6	0.59
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	6	0.59
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	6	0.59
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	6	0.59
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	6	0.59
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	6	0.59
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	3	0.59
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	8	0.59
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	16	0.59
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	20	0.59
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	19	0.59
(1,482)	1:24:A:ILE:HG21	1:26:A:ASN:H	2	0.59
(1,482)	1:24:A:ILE:HG22	1:26:A:ASN:H	2	0.59
(1,482)	1:24:A:ILE:HG23	1:26:A:ASN:H	2	0.59
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	16	0.59
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	13	0.59
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	13	0.59
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	13	0.59
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	5	0.59
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	5	0.59
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	5	0.59
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	12	0.59
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	12	0.59
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	18	0.59
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	1	0.59
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	10	0.59
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	2	0.59
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	11	0.59
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	11	0.59
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	11	0.59
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	11	0.59
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	11	0.59
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	14	0.59
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	15	0.59
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	15	0.59
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	15	0.59
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	15	0.59
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	15	0.59
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	15	0.59
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	18	0.59
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	18	0.59
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	17	0.59
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	17	0.59
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	17	0.59
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	7	0.58
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	7	0.58
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	7	0.58
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	7	0.58
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	7	0.58
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	7	0.58
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	7	0.58
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	7	0.58
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	7	0.58
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	7	0.58
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	7	0.58
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	7	0.58
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	12	0.58
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	12	0.58
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	2	0.58
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	2	0.58
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	19	0.58
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	19	0.58
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	18	0.58
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	18	0.58
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	7	0.58
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	8	0.58
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	12	0.58
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	15	0.58
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	15	0.58
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	18	0.58
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	18	0.58
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	18	0.58
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	20	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	16	0.58
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	17	0.58
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	11	0.58
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	11	0.58
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	11	0.58
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	11	0.58
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	11	0.58
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	11	0.58
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	3	0.58
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	3	0.58
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	3	0.58
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	3	0.58
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	3	0.58
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	3	0.58
(1,2440)	1:160:A:VAL:HG11	1:164:A:ARG:HA	5	0.58
(1,2440)	1:160:A:VAL:HG12	1:164:A:ARG:HA	5	0.58
(1,2440)	1:160:A:VAL:HG13	1:164:A:ARG:HA	5	0.58
(1,2440)	1:160:A:VAL:HG21	1:164:A:ARG:HA	5	0.58
(1,2440)	1:160:A:VAL:HG22	1:164:A:ARG:HA	5	0.58
(1,2440)	1:160:A:VAL:HG23	1:164:A:ARG:HA	5	0.58
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	8	0.58
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	8	0.58
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	8	0.58
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	8	0.58
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	8	0.58
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	8	0.58
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	8	0.58
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	8	0.58
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	8	0.58
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	13	0.58
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	13	0.58
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	9	0.58
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	9	0.58
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	9	0.58
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	9	0.58
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	9	0.58
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	9	0.58
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	9	0.58
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	9	0.58
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	9	0.58
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	9	0.58
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	9	0.58
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	4	0.58
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	3	0.58
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	3	0.58
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	3	0.58
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	16	0.58
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	16	0.58
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	16	0.58
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	16	0.58
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	16	0.58
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	16	0.58
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB2	18	0.58
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB3	18	0.58
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	1	0.58
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	1	0.58
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	1	0.58
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	1	0.58
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	1	0.58
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	1	0.58
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	9	0.58
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	2	0.58
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	2	0.58
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	2	0.58
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	18	0.58
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	8	0.58
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	12	0.58
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	9	0.58
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	12	0.58
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	13	0.58
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	13	0.58
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	10	0.58
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	10	0.58
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	10	0.58
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	10	0.58
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	10	0.58
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	10	0.58
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	16	0.58
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	16	0.58
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	6	0.58
(1,1502)	1:97:A:ARG:HD3	1:137:A:TYR:HE1	20	0.58
(1,1502)	1:97:A:ARG:HD3	1:137:A:TYR:HE2	20	0.58
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	11	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	14	0.58
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	7	0.58
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	7	0.58
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	7	0.58
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	10	0.58
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	10	0.58
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	10	0.58
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	12	0.58
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	9	0.58
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	9	0.58
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	16	0.58
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	16	0.58
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	16	0.58
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	2	0.58
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	2	0.58
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	8	0.58
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	8	0.58
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	8	0.58
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	10	0.58
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	13	0.58
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	15	0.58
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	15	0.58
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	6	0.58
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	6	0.58
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	6	0.58
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	6	0.58
(1,643)	1:78:A:PHE:H	1:110:A:PRO:HB2	11	0.58
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	19	0.58
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	4	0.58
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	4	0.58
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	4	0.58
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	11	0.58
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	11	0.58
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	11	0.58
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	11	0.58
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	11	0.58
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	11	0.58
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	19	0.58
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	8	0.58
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	8	0.58
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	8	0.58
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	3	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	9	0.58
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	16	0.58
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	1	0.58
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	1	0.58
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	1	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	5	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	5	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	5	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	5	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	5	0.58
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	5	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	7	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	7	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	7	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	7	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	7	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	7	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	10	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	10	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	10	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	10	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	10	0.58
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	10	0.58
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	13	0.58
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	13	0.58
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	13	0.58
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	13	0.58
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	13	0.58
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	13	0.58
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	13	0.58
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	13	0.58
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	13	0.58
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	13	0.58
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	13	0.58
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	13	0.58
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	13	0.58
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	13	0.58
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	13	0.58
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	13	0.58
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	13	0.58
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	13	0.58
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	8	0.58
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	16	0.58
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	16	0.58
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	6	0.58
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	6	0.58
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	6	0.58
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	5	0.57
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	5	0.57
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	5	0.57
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	3	0.57
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	3	0.57
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	1	0.57
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	1	0.57
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	5	0.57
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	5	0.57
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	11	0.57
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	11	0.57
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	14	0.57
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	14	0.57
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	18	0.57
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	18	0.57
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	19	0.57
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	19	0.57
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	19	0.57
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	19	0.57
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	19	0.57
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	19	0.57
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	9	0.57
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	7	0.57
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	7	0.57
(1,3068)	1:123:A:ARG:HE	1:127:A:THR:H	5	0.57
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	20	0.57
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	12	0.57
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	20	0.57
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	20	0.57
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	10	0.57
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	10	0.57
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	10	0.57
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	15	0.57
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	20	0.57
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	20	0.57
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	20	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	20	0.57
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	20	0.57
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	20	0.57
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	20	0.57
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	20	0.57
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG21	9	0.57
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG22	9	0.57
(1,2743)	1:146:A:ALA:H	1:148:A:THR:HG23	9	0.57
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	4	0.57
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	19	0.57
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	19	0.57
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	13	0.57
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	12	0.57
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	12	0.57
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	12	0.57
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	12	0.57
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	12	0.57
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	12	0.57
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	14	0.57
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	3	0.57
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	3	0.57
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	17	0.57
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	2	0.57
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	2	0.57
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	2	0.57
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	2	0.57
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	2	0.57
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	2	0.57
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	2	0.57
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	2	0.57
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	2	0.57
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	14	0.57
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	14	0.57
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	14	0.57
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	14	0.57
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	14	0.57
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	14	0.57
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	14	0.57
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	14	0.57
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	14	0.57
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	12	0.57
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	12	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	12	0.57
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	12	0.57
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	12	0.57
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	12	0.57
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	7	0.57
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	16	0.57
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	16	0.57
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	17	0.57
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	17	0.57
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	8	0.57
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	14	0.57
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	18	0.57
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	11	0.57
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	3	0.57
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	3	0.57
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB2	5	0.57
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB3	5	0.57
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB2	5	0.57
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB3	5	0.57
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	17	0.57
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	17	0.57
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	17	0.57
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	17	0.57
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	17	0.57
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	17	0.57
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	18	0.57
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	18	0.57
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	18	0.57
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	18	0.57
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	18	0.57
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	18	0.57
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	19	0.57
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	19	0.57
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	14	0.57
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	14	0.57
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	10	0.57
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	10	0.57
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	14	0.57
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	15	0.57
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	5	0.57
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	13	0.57
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	13	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	13	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	13	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	13	0.57
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	16	0.57
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	16	0.57
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	16	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	16	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	16	0.57
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	16	0.57
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	3	0.57
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	3	0.57
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	3	0.57
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	3	0.57
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	3	0.57
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	3	0.57
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	3	0.57
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	3	0.57
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	3	0.57
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	3	0.57
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	3	0.57
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	3	0.57
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	3	0.57
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	3	0.57
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	3	0.57
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	3	0.57
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	3	0.57
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	3	0.57
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	16	0.57
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	16	0.57
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	20	0.57
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	20	0.57
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	20	0.57
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	7	0.57
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	15	0.57
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	19	0.57
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	20	0.57
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	15	0.57
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	15	0.57
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	15	0.57
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	7	0.57
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	14	0.57
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	14	0.57
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	14	0.57
(1,1195)	1:56:A:LEU:HD11	1:57:A:ASP:H	11	0.57
(1,1195)	1:56:A:LEU:HD12	1:57:A:ASP:H	11	0.57
(1,1195)	1:56:A:LEU:HD13	1:57:A:ASP:H	11	0.57
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	20	0.57
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	4	0.57
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	4	0.57
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	4	0.57
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	4	0.57
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	4	0.57
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	4	0.57
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	18	0.57
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	18	0.57
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	18	0.57
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	18	0.57
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	18	0.57
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	18	0.57
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	6	0.57
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	6	0.57
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	6	0.57
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	5	0.57
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	5	0.57
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	11	0.57
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	13	0.57
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	13	0.57
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	13	0.57
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	7	0.57
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	7	0.57
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	7	0.57
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	1	0.57
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	1	0.57
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	2	0.57
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	15	0.57
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	9	0.57
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	9	0.57
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	9	0.57
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	9	0.57
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	19	0.57
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	19	0.57
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	19	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	4	0.57
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	4	0.57
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	4	0.57
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	14	0.57
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	14	0.57
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	11	0.57
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	4	0.57
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	6	0.57
(1,575)	1:165:A:LYS:HB2	1:166:A:HIS:HA	1	0.57
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	17	0.57
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	16	0.57
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	16	0.57
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	16	0.57
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	16	0.57
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	16	0.57
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	16	0.57
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	1	0.57
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	1	0.57
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	1	0.57
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	1	0.57
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	1	0.57
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	1	0.57
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	18	0.57
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	18	0.57
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	18	0.57
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	17	0.57
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	17	0.57
(1,234)	1:20:A:THR:HG21	1:55:A:ILE:HB	11	0.57
(1,234)	1:20:A:THR:HG22	1:55:A:ILE:HB	11	0.57
(1,234)	1:20:A:THR:HG23	1:55:A:ILE:HB	11	0.57
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	8	0.57
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	3	0.57
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	3	0.57
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	3	0.57
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	3	0.57
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	3	0.57
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	3	0.57
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	20	0.57
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	20	0.57
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	10	0.57
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	10	0.57
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	19	0.56
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	19	0.56
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	19	0.56
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	19	0.56
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	19	0.56
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	19	0.56
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	19	0.56
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	19	0.56
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	19	0.56
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	19	0.56
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	19	0.56
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	19	0.56
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	18	0.56
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	18	0.56
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	12	0.56
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	4	0.56
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	4	0.56
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	7	0.56
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	7	0.56
(1,2835)	1:73:A:ARG:HB2	1:73:A:ARG:HE	6	0.56
(1,2835)	1:73:A:ARG:HB3	1:73:A:ARG:HE	6	0.56
(1,2819)	1:113:A:LEU:HG	1:142:A:ILE:H	2	0.56
(1,2819)	1:113:A:LEU:HG	1:142:A:ILE:H	9	0.56
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB2	1	0.56
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB3	1	0.56
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB2	1	0.56
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB3	1	0.56
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB2	1	0.56
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB3	1	0.56
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB2	3	0.56
(1,2816)	1:66:A:ALA:HB1	1:69:A:ASP:HB3	3	0.56
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB2	3	0.56
(1,2816)	1:66:A:ALA:HB2	1:69:A:ASP:HB3	3	0.56
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB2	3	0.56
(1,2816)	1:66:A:ALA:HB3	1:69:A:ASP:HB3	3	0.56
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	2	0.56
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	18	0.56
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	13	0.56
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	15	0.56
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	19	0.56
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	17	0.56
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	17	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	5	0.56
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	5	0.56
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	5	0.56
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	10	0.56
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	10	0.56
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	10	0.56
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	10	0.56
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	10	0.56
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	10	0.56
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	5	0.56
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	5	0.56
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	14	0.56
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	14	0.56
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	14	0.56
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	3	0.56
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	10	0.56
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	6	0.56
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	6	0.56
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	6	0.56
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	6	0.56
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	6	0.56
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	6	0.56
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	20	0.56
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	20	0.56
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	20	0.56
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	20	0.56
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	20	0.56
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	20	0.56
(1,2042)	1:90:A:PHE:HE1	1:129:A:GLN:HB3	16	0.56
(1,2042)	1:90:A:PHE:HE2	1:129:A:GLN:HB3	16	0.56
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	1	0.56
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	1	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	1	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	1	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	1	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	1	0.56
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	14	0.56
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	14	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	14	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	14	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	14	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	19	0.56
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	19	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	19	0.56
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	19	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	19	0.56
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	19	0.56
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	4	0.56
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	4	0.56
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	4	0.56
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	4	0.56
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	4	0.56
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	4	0.56
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	7	0.56
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	20	0.56
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	3	0.56
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	4	0.56
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	5	0.56
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	5	0.56
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	14	0.56
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	14	0.56
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	17	0.56
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	17	0.56
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	1	0.56
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	1	0.56
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	1	0.56
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	1	0.56
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	1	0.56
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	1	0.56
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	8	0.56
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	8	0.56
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	8	0.56
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	8	0.56
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	8	0.56
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	8	0.56
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	18	0.56
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	18	0.56
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	18	0.56
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	18	0.56
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	18	0.56
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	18	0.56
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	19	0.56
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	19	0.56
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	9	0.56
(1,1373)	1:27:A:HIS:HD2	1:28:A:PHE:H	3	0.56
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	17	0.56
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	17	0.56
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	17	0.56
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	17	0.56
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	17	0.56
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	17	0.56
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	17	0.56
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	17	0.56
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	17	0.56
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	17	0.56
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	17	0.56
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	17	0.56
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	17	0.56
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	17	0.56
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	17	0.56
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	17	0.56
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	17	0.56
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	17	0.56
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	3	0.56
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	3	0.56
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	3	0.56
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	3	0.56
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	3	0.56
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	3	0.56
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	3	0.56
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	3	0.56
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	3	0.56
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	3	0.56
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	3	0.56
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	3	0.56
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	3	0.56
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	3	0.56
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	3	0.56
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	3	0.56
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	3	0.56
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	3	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	1	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	1	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	1	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	7	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	7	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	7	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	9	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	9	0.56
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	9	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD11	8	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD12	8	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD13	8	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD11	11	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD12	11	0.56
(1,1198)	1:39:A:SER:H	1:56:A:LEU:HD13	11	0.56
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	10	0.56
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	1	0.56
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	1	0.56
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	1	0.56
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	1	0.56
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	1	0.56
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	1	0.56
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	1	0.56
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	1	0.56
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	1	0.56
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	1	0.56
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	1	0.56
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	1	0.56
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	9	0.56
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	9	0.56
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	9	0.56
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	9	0.56
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	9	0.56
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	9	0.56
(1,1102)	1:26:A:ASN:HB2	1:27:A:HIS:HD2	6	0.56
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	6	0.56
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	12	0.56
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	12	0.56
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	12	0.56
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	13	0.56
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	13	0.56
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	17	0.56
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	17	0.56
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	8	0.56
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	8	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	7	0.56
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG12	19	0.56
(1,774)	1:90:A:PHE:HD1	1:93:A:ILE:HG13	19	0.56
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG12	19	0.56
(1,774)	1:90:A:PHE:HD2	1:93:A:ILE:HG13	19	0.56
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	20	0.56
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	20	0.56
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	13	0.56
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	13	0.56
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	13	0.56
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	13	0.56
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	13	0.56
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	13	0.56
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	13	0.56
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	11	0.56
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	12	0.56
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	14	0.56
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	2	0.56
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	2	0.56
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	2	0.56
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	2	0.56
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	2	0.56
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	2	0.56
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	14	0.56
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	13	0.56
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	4	0.56
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	2	0.56
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	11	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	9	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	9	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	9	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	9	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	9	0.56
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	9	0.56
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	12	0.56
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	6	0.56
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	6	0.56
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	5	0.56
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	13	0.56
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	13	0.56
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	10	0.55
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	20	0.55
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	20	0.55
(1,3214)	1:114:A:VAL:HB	1:116:A:ASN:H	20	0.55
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	1	0.55
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	4	0.55
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	5	0.55
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	14	0.55
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	20	0.55
(1,3062)	1:9:A:VAL:HB	1:81:A:VAL:H	6	0.55
(1,2819)	1:113:A:LEU:HG	1:142:A:ILE:H	10	0.55
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	20	0.55
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	7	0.55
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	10	0.55
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	8	0.55
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	8	0.55
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	18	0.55
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	18	0.55
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	18	0.55
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	18	0.55
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	18	0.55
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	18	0.55
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	18	0.55
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	18	0.55
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	18	0.55
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	18	0.55
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	18	0.55
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	18	0.55
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	6	0.55
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	6	0.55
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	6	0.55
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	13	0.55
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	13	0.55
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	13	0.55
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	13	0.55
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	13	0.55
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	13	0.55
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	6	0.55
(1,2322)	1:151:A:GLY:H	1:154:A:ASP:HB3	13	0.55
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	13	0.55
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	13	0.55
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	13	0.55
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	18	0.55
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	18	0.55
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	14	0.55
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	14	0.55
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	14	0.55
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	14	0.55
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	14	0.55
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	14	0.55
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	14	0.55
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	14	0.55
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	14	0.55
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	14	0.55
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	14	0.55
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	14	0.55
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	3	0.55
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	9	0.55
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	9	0.55
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	9	0.55
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	2	0.55
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	15	0.55
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	15	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	1	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	2	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	3	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	4	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	5	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	7	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	8	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	9	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	10	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	11	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	12	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	14	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	16	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	18	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	19	0.55
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	20	0.55
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	13	0.55
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	13	0.55
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	16	0.55
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	16	0.55
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	5	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	18	0.55
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	14	0.55
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	19	0.55
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	3	0.55
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	4	0.55
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	18	0.55
(1,1357)	1:128:A:LYS:H	1:128:A:LYS:HD3	18	0.55
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	14	0.55
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	14	0.55
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	14	0.55
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	14	0.55
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	14	0.55
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	14	0.55
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	3	0.55
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	3	0.55
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	7	0.55
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	7	0.55
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	20	0.55
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	20	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	2	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	2	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	2	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	3	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	3	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	3	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	4	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	4	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	4	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	10	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	10	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	10	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	15	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	15	0.55
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	15	0.55
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	7	0.55
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	7	0.55
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	7	0.55
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	19	0.55
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	13	0.55
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	15	0.55
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	4	0.55
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	4	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	4	0.55
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	14	0.55
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	14	0.55
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	14	0.55
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	14	0.55
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	14	0.55
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	14	0.55
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	14	0.55
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	14	0.55
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	14	0.55
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	14	0.55
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	14	0.55
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	14	0.55
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	8	0.55
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	13	0.55
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	13	0.55
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	8	0.55
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	8	0.55
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	16	0.55
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	16	0.55
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	16	0.55
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	19	0.55
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	2	0.55
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	2	0.55
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	2	0.55
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	2	0.55
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	2	0.55
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	2	0.55
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	10	0.55
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	15	0.55
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	11	0.55
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	13	0.55
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	13	0.55
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	13	0.55
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	3	0.55
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	3	0.55
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	11	0.55
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	11	0.55
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	18	0.55
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	18	0.55
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	5	0.55
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	10	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	11	0.55
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	13	0.55
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	14	0.55
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	20	0.55
(1,225)	1:6:A:LEU:H	1:6:A:LEU:HG	10	0.55
(1,204)	1:32:A:TYR:HD1	2:201:A:GNP:H1'	10	0.55
(1,204)	1:32:A:TYR:HD2	2:201:A:GNP:H1'	10	0.55
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	20	0.55
(1,165)	1:19:A:LEU:HD11	1:79:A:LEU:HD11	13	0.55
(1,165)	1:19:A:LEU:HD11	1:79:A:LEU:HD12	13	0.55
(1,165)	1:19:A:LEU:HD11	1:79:A:LEU:HD13	13	0.55
(1,165)	1:19:A:LEU:HD11	1:79:A:LEU:HD21	13	0.55
(1,165)	1:19:A:LEU:HD11	1:79:A:LEU:HD22	13	0.55
(1,165)	1:19:A:LEU:HD11	1:79:A:LEU:HD23	13	0.55
(1,165)	1:19:A:LEU:HD12	1:79:A:LEU:HD11	13	0.55
(1,165)	1:19:A:LEU:HD12	1:79:A:LEU:HD12	13	0.55
(1,165)	1:19:A:LEU:HD12	1:79:A:LEU:HD13	13	0.55
(1,165)	1:19:A:LEU:HD12	1:79:A:LEU:HD21	13	0.55
(1,165)	1:19:A:LEU:HD12	1:79:A:LEU:HD22	13	0.55
(1,165)	1:19:A:LEU:HD12	1:79:A:LEU:HD23	13	0.55
(1,165)	1:19:A:LEU:HD13	1:79:A:LEU:HD11	13	0.55
(1,165)	1:19:A:LEU:HD13	1:79:A:LEU:HD12	13	0.55
(1,165)	1:19:A:LEU:HD13	1:79:A:LEU:HD13	13	0.55
(1,165)	1:19:A:LEU:HD13	1:79:A:LEU:HD21	13	0.55
(1,165)	1:19:A:LEU:HD13	1:79:A:LEU:HD22	13	0.55
(1,165)	1:19:A:LEU:HD13	1:79:A:LEU:HD23	13	0.55
(1,165)	1:19:A:LEU:HD21	1:79:A:LEU:HD11	13	0.55
(1,165)	1:19:A:LEU:HD21	1:79:A:LEU:HD12	13	0.55
(1,165)	1:19:A:LEU:HD21	1:79:A:LEU:HD13	13	0.55
(1,165)	1:19:A:LEU:HD21	1:79:A:LEU:HD21	13	0.55
(1,165)	1:19:A:LEU:HD21	1:79:A:LEU:HD22	13	0.55
(1,165)	1:19:A:LEU:HD21	1:79:A:LEU:HD23	13	0.55
(1,165)	1:19:A:LEU:HD22	1:79:A:LEU:HD11	13	0.55
(1,165)	1:19:A:LEU:HD22	1:79:A:LEU:HD12	13	0.55
(1,165)	1:19:A:LEU:HD22	1:79:A:LEU:HD13	13	0.55
(1,165)	1:19:A:LEU:HD22	1:79:A:LEU:HD21	13	0.55
(1,165)	1:19:A:LEU:HD22	1:79:A:LEU:HD22	13	0.55
(1,165)	1:19:A:LEU:HD22	1:79:A:LEU:HD23	13	0.55
(1,165)	1:19:A:LEU:HD23	1:79:A:LEU:HD11	13	0.55
(1,165)	1:19:A:LEU:HD23	1:79:A:LEU:HD12	13	0.55
(1,165)	1:19:A:LEU:HD23	1:79:A:LEU:HD13	13	0.55
(1,165)	1:19:A:LEU:HD23	1:79:A:LEU:HD21	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,165)	1:19:A:LEU:HD23	1:79:A:LEU:HD22	13	0.55
(1,165)	1:19:A:LEU:HD23	1:79:A:LEU:HD23	13	0.55
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	8	0.55
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	17	0.55
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	17	0.55
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	14	0.55
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	14	0.55
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	14	0.55
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	14	0.55
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	14	0.55
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	14	0.55
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	14	0.55
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	14	0.55
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	14	0.55
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	14	0.55
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	14	0.55
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	14	0.55
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	14	0.55
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	14	0.55
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	14	0.55
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	14	0.55
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	14	0.55
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	14	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	6	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	6	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	14	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	14	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	15	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	15	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	19	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	19	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	20	0.55
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	20	0.55
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	10	0.54
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	10	0.54
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	10	0.54
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	10	0.54
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	10	0.54
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	10	0.54
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	9	0.54
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	9	0.54
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	9	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	11	0.54
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	11	0.54
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	11	0.54
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	3	0.54
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	6	0.54
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	6	0.54
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	15	0.54
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	15	0.54
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	6	0.54
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD11	2	0.54
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD12	2	0.54
(1,3024)	1:130:A:ALA:HA	1:133:A:LEU:HD13	2	0.54
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	14	0.54
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	14	0.54
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	14	0.54
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	14	0.54
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	4	0.54
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	16	0.54
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	10	0.54
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	10	0.54
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	10	0.54
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	10	0.54
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	10	0.54
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	10	0.54
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	5	0.54
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	2	0.54
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	12	0.54
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	16	0.54
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	6	0.54
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	12	0.54
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD2	14	0.54
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD3	14	0.54
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	9	0.54
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	9	0.54
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	9	0.54
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	9	0.54
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	9	0.54
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	9	0.54
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	9	0.54
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	9	0.54
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	9	0.54
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	19	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	19	0.54
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	19	0.54
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	19	0.54
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	19	0.54
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	19	0.54
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	10	0.54
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	10	0.54
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	10	0.54
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	9	0.54
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	10	0.54
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	13	0.54
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	4	0.54
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	16	0.54
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	16	0.54
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	16	0.54
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	10	0.54
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	10	0.54
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	10	0.54
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	10	0.54
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	10	0.54
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	10	0.54
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	16	0.54
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	16	0.54
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	16	0.54
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	16	0.54
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	8	0.54
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	20	0.54
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	20	0.54
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	20	0.54
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	6	0.54
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	15	0.54
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	4	0.54
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	18	0.54
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	5	0.54
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	8	0.54
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	3	0.54
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	3	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	2	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	2	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	2	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	2	0.54
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	2	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	2	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	2	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	2	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	2	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	2	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	2	0.54
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	2	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	2	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	2	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	2	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	2	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	2	0.54
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	2	0.54
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	17	0.54
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	17	0.54
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	17	0.54
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	6	0.54
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	9	0.54
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	12	0.54
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	5	0.54
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	5	0.54
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	5	0.54
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	13	0.54
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	13	0.54
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	13	0.54
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	13	0.54
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	13	0.54
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	13	0.54
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	19	0.54
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	19	0.54
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	19	0.54
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	19	0.54
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	19	0.54
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	19	0.54
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	2	0.54
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	2	0.54
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	18	0.54
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	18	0.54
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	18	0.54
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	18	0.54
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	18	0.54
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	18	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	18	0.54
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	18	0.54
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	18	0.54
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	18	0.54
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	18	0.54
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	18	0.54
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	20	0.54
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	20	0.54
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	20	0.54
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	17	0.54
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	17	0.54
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	14	0.54
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	1	0.54
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	9	0.54
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	8	0.54
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	8	0.54
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	16	0.54
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	2	0.54
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	3	0.54
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	3	0.54
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	3	0.54
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	3	0.54
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	3	0.54
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	9	0.54
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	9	0.54
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	9	0.54
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	9	0.54
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	9	0.54
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	9	0.54
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	9	0.54
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	9	0.54
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	9	0.54
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	9	0.54
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	9	0.54
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	9	0.54
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	20	0.54
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	20	0.54
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	20	0.54
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	20	0.54
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	20	0.54
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	20	0.54
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	20	0.54
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	20	0.54
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	20	0.54
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	20	0.54
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	20	0.54
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	7	0.54
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	3	0.54
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	12	0.54
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	12	0.54
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	12	0.54
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	18	0.54
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	18	0.54
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	18	0.54
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	18	0.54
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	18	0.54
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	18	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	6	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	6	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	7	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	7	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	10	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	10	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	12	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	12	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	15	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	15	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	20	0.54
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	20	0.54
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	2	0.54
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	5	0.54
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	12	0.54
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	12	0.54
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	12	0.54
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	12	0.54
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	12	0.54
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	12	0.54
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	6	0.54
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG11	20	0.54
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG12	20	0.54
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG13	20	0.54
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG21	20	0.54
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG22	20	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG23	20	0.54
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	9	0.54
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	12	0.54
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	12	0.54
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	2	0.53
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	11	0.53
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	11	0.53
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	19	0.53
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	19	0.53
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	1	0.53
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	1	0.53
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	12	0.53
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	12	0.53
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	12	0.53
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	12	0.53
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	12	0.53
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	12	0.53
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	4	0.53
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	11	0.53
(1,3142)	1:1:A:MET:HB3	1:50:A:THR:HG21	13	0.53
(1,3142)	1:1:A:MET:HB3	1:50:A:THR:HG22	13	0.53
(1,3142)	1:1:A:MET:HB3	1:50:A:THR:HG23	13	0.53
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	4	0.53
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	3	0.53
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	3	0.53
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	5	0.53
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	5	0.53
(1,2941)	1:113:A:LEU:HB3	1:134:A:ALA:HA	10	0.53
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	19	0.53
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	19	0.53
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB1	12	0.53
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB2	12	0.53
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB3	12	0.53
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	6	0.53
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	6	0.53
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	6	0.53
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	6	0.53
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	6	0.53
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	6	0.53
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	8	0.53
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	8	0.53
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	8	0.53
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	8	0.53
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	8	0.53
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	11	0.53
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	11	0.53
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	11	0.53
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	11	0.53
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	11	0.53
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	11	0.53
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	6	0.53
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	6	0.53
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	6	0.53
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	2	0.53
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	2	0.53
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	2	0.53
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	18	0.53
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	18	0.53
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	1	0.53
(1,2696)	1:113:A:LEU:HB3	1:134:A:ALA:HB1	10	0.53
(1,2696)	1:113:A:LEU:HB3	1:134:A:ALA:HB2	10	0.53
(1,2696)	1:113:A:LEU:HB3	1:134:A:ALA:HB3	10	0.53
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	11	0.53
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	3	0.53
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	3	0.53
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	9	0.53
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	9	0.53
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	20	0.53
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD2	3	0.53
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD3	3	0.53
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	6	0.53
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	6	0.53
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	16	0.53
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	16	0.53
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	16	0.53
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	16	0.53
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	16	0.53
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	16	0.53
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	6	0.53
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	6	0.53
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	5	0.53
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	5	0.53
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	5	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	17	0.53
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	17	0.53
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	17	0.53
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	7	0.53
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	12	0.53
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	4	0.53
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	1	0.53
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	1	0.53
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	5	0.53
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	5	0.53
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	5	0.53
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	5	0.53
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	5	0.53
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	5	0.53
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	20	0.53
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	20	0.53
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	20	0.53
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	20	0.53
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	20	0.53
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	20	0.53
(1,1941)	1:121:A:PRO:HG3	1:122:A:SER:H	14	0.53
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	12	0.53
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	12	0.53
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	2	0.53
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	2	0.53
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	2	0.53
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	6	0.53
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	12	0.53
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	12	0.53
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	12	0.53
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	12	0.53
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	12	0.53
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	12	0.53
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	18	0.53
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	18	0.53
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	18	0.53
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	18	0.53
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	8	0.53
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	8	0.53
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	7	0.53
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	7	0.53
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	7	0.53
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	7	0.53
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	7	0.53
(1,1397)	1:76:A:GLU:HA	1:76:A:GLU:HG2	10	0.53
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	11	0.53
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	9	0.53
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	9	0.53
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	9	0.53
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	9	0.53
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	9	0.53
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	9	0.53
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	9	0.53
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	11	0.53
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	11	0.53
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	11	0.53
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	11	0.53
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	5	0.53
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	5	0.53
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	5	0.53
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	2	0.53
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	18	0.53
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	18	0.53
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	3	0.53
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	3	0.53
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	3	0.53
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	3	0.53
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	3	0.53
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	3	0.53
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	16	0.53
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	20	0.53
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	20	0.53
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	20	0.53
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	10	0.53
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	19	0.53
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	19	0.53
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	19	0.53
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	19	0.53
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	19	0.53
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	19	0.53
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	19	0.53
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	19	0.53
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	19	0.53
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	19	0.53
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	19	0.53
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	3	0.53
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	3	0.53
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	3	0.53
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	8	0.53
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	8	0.53
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	8	0.53
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	16	0.53
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	20	0.53
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	1	0.53
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	1	0.53
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	20	0.53
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	12	0.53
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	11	0.53
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	16	0.53
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	16	0.53
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	16	0.53
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	16	0.53
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	15	0.53
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	15	0.53
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	15	0.53
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	15	0.53
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	15	0.53
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	15	0.53
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	15	0.53
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	15	0.53
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	15	0.53
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	15	0.53
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	15	0.53
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	15	0.53
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	13	0.53
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	13	0.53
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	11	0.53
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	1	0.53
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	1	0.53
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	1	0.53
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	1	0.53
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	1	0.53
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	1	0.53
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	16	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	16	0.53
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	11	0.53
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	11	0.53
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	11	0.53
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	13	0.53
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	13	0.53
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	13	0.53
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	18	0.53
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	5	0.53
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	13	0.53
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	2	0.53
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	9	0.53
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	11	0.53
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	3	0.53
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	3	0.53
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	3	0.53
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	3	0.53
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	3	0.53
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	3	0.53
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	3	0.53
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	3	0.53
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	3	0.53
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	3	0.53
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	3	0.53
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	3	0.53
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	3	0.53
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	3	0.53
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	3	0.53
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	3	0.53
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	3	0.53
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	3	0.53
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	4	0.53
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	4	0.53
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	17	0.53
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	17	0.53
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	17	0.52
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	17	0.52
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	17	0.52
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	17	0.52
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	17	0.52
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	17	0.52
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	17	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	17	0.52
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	17	0.52
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	17	0.52
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	17	0.52
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	17	0.52
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	2	0.52
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	2	0.52
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	2	0.52
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	2	0.52
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	2	0.52
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	2	0.52
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	2	0.52
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	2	0.52
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	2	0.52
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	2	0.52
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	2	0.52
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	2	0.52
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	17	0.52
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	17	0.52
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	10	0.52
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	10	0.52
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	20	0.52
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	20	0.52
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	9	0.52
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	17	0.52
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	17	0.52
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	17	0.52
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	17	0.52
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	17	0.52
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	17	0.52
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	17	0.52
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	17	0.52
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	9	0.52
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	11	0.52
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	11	0.52
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	1	0.52
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	11	0.52
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	11	0.52
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	11	0.52
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	11	0.52
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	11	0.52
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	11	0.52
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	11	0.52
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	11	0.52
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	11	0.52
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	11	0.52
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	11	0.52
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	11	0.52
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	13	0.52
(1,2526)	1:19:A:LEU:HB3	1:152:A:VAL:HA	19	0.52
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	4	0.52
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	4	0.52
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	4	0.52
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	4	0.52
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	4	0.52
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	4	0.52
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	8	0.52
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	8	0.52
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	1	0.52
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	1	0.52
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	1	0.52
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	18	0.52
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	15	0.52
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	15	0.52
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	1	0.52
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	4	0.52
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	9	0.52
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	12	0.52
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	13	0.52
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	14	0.52
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	16	0.52
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	19	0.52
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	12	0.52
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	12	0.52
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	12	0.52
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	12	0.52
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	12	0.52
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	12	0.52
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	13	0.52
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	4	0.52
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	4	0.52
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	4	0.52
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	4	0.52
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	4	0.52
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	4	0.52
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	6	0.52
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG21	12	0.52
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG22	12	0.52
(1,1913)	1:119:A:ASP:HA	1:148:A:THR:HG23	12	0.52
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	17	0.52
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	3	0.52
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	5	0.52
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	19	0.52
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	19	0.52
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	10	0.52
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	10	0.52
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	13	0.52
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	13	0.52
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	9	0.52
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	15	0.52
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	6	0.52
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	6	0.52
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	11	0.52
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	11	0.52
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	20	0.52
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	20	0.52
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	20	0.52
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	20	0.52
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	20	0.52
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	20	0.52
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	20	0.52
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	20	0.52
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	20	0.52
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	20	0.52
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	20	0.52
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	20	0.52
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	20	0.52
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	20	0.52
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	20	0.52
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	20	0.52
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	20	0.52
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	20	0.52
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	4	0.52
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	4	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	13	0.52
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	13	0.52
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	1	0.52
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	12	0.52
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	12	0.52
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	12	0.52
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	12	0.52
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	12	0.52
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	12	0.52
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	15	0.52
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	15	0.52
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	15	0.52
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	15	0.52
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	15	0.52
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	15	0.52
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE1	14	0.52
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE2	14	0.52
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	10	0.52
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	10	0.52
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	10	0.52
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	10	0.52
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	10	0.52
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	10	0.52
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	1	0.52
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	9	0.52
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	9	0.52
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	7	0.52
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	7	0.52
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	7	0.52
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	7	0.52
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	2	0.52
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	12	0.52
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	17	0.52
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	19	0.52
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	4	0.52
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	4	0.52
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	4	0.52
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	11	0.52
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	11	0.52
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	11	0.52
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	18	0.52
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	2	0.52
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	2	0.52
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	2	0.52
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	3	0.52
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	5	0.52
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	10	0.52
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	18	0.52
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	19	0.52
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	2	0.52
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	7	0.52
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	7	0.52
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	7	0.52
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	7	0.52
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	7	0.52
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	7	0.52
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	7	0.52
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	7	0.52
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	7	0.52
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	7	0.52
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	7	0.52
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	7	0.52
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	7	0.52
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	10	0.52
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	10	0.52
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	10	0.52
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	10	0.52
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	10	0.52
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	10	0.52
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	10	0.52
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	10	0.52
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	10	0.52
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	10	0.52
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	10	0.52
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	10	0.52
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	14	0.52
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	9	0.52
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	6	0.52
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	6	0.52
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	6	0.52
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	11	0.52
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	11	0.52
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	15	0.52
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	15	0.52
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	15	0.52
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	2	0.52
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	2	0.52
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	2	0.52
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	1	0.52
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	6	0.52
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	12	0.52
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	16	0.52
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	11	0.52
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	18	0.52
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	4	0.52
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	4	0.52
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	4	0.52
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	4	0.52
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	4	0.52
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	4	0.52
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	4	0.52
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	4	0.52
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	4	0.52
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	4	0.52
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	4	0.52
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	4	0.52
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	4	0.52
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	4	0.52
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	4	0.52
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	4	0.52
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	4	0.52
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	4	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	1	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	1	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	3	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	3	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	5	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	5	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	11	0.52
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	11	0.52
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	18	0.52
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	18	0.52
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	18	0.52
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	13	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	17	0.51
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	17	0.51
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	16	0.51
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	16	0.51
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	16	0.51
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	16	0.51
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	16	0.51
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	16	0.51
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	12	0.51
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	12	0.51
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	12	0.51
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	12	0.51
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	15	0.51
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	12	0.51
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	12	0.51
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	10	0.51
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	10	0.51
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	14	0.51
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	15	0.51
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	15	0.51
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	15	0.51
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	15	0.51
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	15	0.51
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	15	0.51
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	10	0.51
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	16	0.51
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	16	0.51
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	1	0.51
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	18	0.51
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	18	0.51
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	18	0.51
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	18	0.51
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	18	0.51
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	18	0.51
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	18	0.51
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	18	0.51
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	18	0.51
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	18	0.51
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	18	0.51
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	18	0.51
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	15	0.51
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	6	0.51
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	16	0.51
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	1	0.51
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	1	0.51
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	1	0.51
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	17	0.51
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	17	0.51
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	17	0.51
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	17	0.51
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	17	0.51
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	17	0.51
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	18	0.51
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	18	0.51
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	18	0.51
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	12	0.51
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	19	0.51
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	19	0.51
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	12	0.51
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	12	0.51
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	12	0.51
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	12	0.51
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	13	0.51
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	1	0.51
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	4	0.51
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	5	0.51
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	5	0.51
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	5	0.51
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	17	0.51
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	17	0.51
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	17	0.51
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	17	0.51
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	17	0.51
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	17	0.51
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	5	0.51
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	5	0.51
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	5	0.51
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	5	0.51
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	5	0.51
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	5	0.51
(1,1481)	1:14:A:VAL:HA	1:83:A:ALA:HA	20	0.51
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	8	0.51
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	8	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	8	0.51
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	18	0.51
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	18	0.51
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	18	0.51
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	18	0.51
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	18	0.51
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	18	0.51
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	16	0.51
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	20	0.51
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	20	0.51
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	20	0.51
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	13	0.51
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	13	0.51
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	13	0.51
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	13	0.51
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	13	0.51
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	13	0.51
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	16	0.51
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	16	0.51
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	18	0.51
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	13	0.51
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	18	0.51
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	18	0.51
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	15	0.51
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	15	0.51
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	15	0.51
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	15	0.51
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	15	0.51
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	15	0.51
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	15	0.51
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	15	0.51
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	15	0.51
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	15	0.51
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	15	0.51
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	15	0.51
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	15	0.51
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	15	0.51
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	15	0.51
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	15	0.51
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	15	0.51
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	15	0.51
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	1	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	17	0.51
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	5	0.51
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	5	0.51
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	11	0.51
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	11	0.51
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	9	0.51
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	6	0.51
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	6	0.51
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	6	0.51
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	2	0.51
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	4	0.51
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	5	0.51
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG2	7	0.51
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG3	7	0.51
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	3	0.51
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	5	0.51
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	7	0.51
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	13	0.51
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	17	0.51
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD1	1	0.51
(1,634)	1:36:A:ILE:HD11	1:40:A:TYR:HD2	1	0.51
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD1	1	0.51
(1,634)	1:36:A:ILE:HD12	1:40:A:TYR:HD2	1	0.51
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD1	1	0.51
(1,634)	1:36:A:ILE:HD13	1:40:A:TYR:HD2	1	0.51
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	20	0.51
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	3	0.51
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	3	0.51
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	3	0.51
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	3	0.51
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	3	0.51
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	3	0.51
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	1	0.51
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	18	0.51
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	18	0.51
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	20	0.51
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	20	0.51
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	3	0.51
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	3	0.51
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	3	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	11	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	11	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	11	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	11	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	11	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	20	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	20	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	20	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	20	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	20	0.51
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	20	0.51
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	9	0.51
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	9	0.51
(1,115)	1:95:A:HIS:HA	1:98:A:GLU:H	4	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	13	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	13	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	13	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	13	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	13	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	13	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	16	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	16	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	16	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	16	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	16	0.51
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	16	0.51
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	1	0.51
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	5	0.51
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	1	0.51
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	1	0.51
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	1	0.51
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	1	0.51
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	1	0.51
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	1	0.51
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	2	0.51
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	2	0.51
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	18	0.51
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	18	0.51
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	2	0.51
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	2	0.51
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	2	0.51
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	20	0.5
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	20	0.5
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	4	0.5
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	4	0.5
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	4	0.5
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	18	0.5
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	9	0.5
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	19	0.5
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	9	0.5
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	9	0.5
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	16	0.5
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	20	0.5
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	12	0.5
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	15	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	11	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	11	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	11	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	11	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	11	0.5
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	11	0.5
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	2	0.5
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	2	0.5
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	1	0.5
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	1	0.5
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	1	0.5
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	1	0.5
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	1	0.5
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	1	0.5
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	10	0.5
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	10	0.5
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	10	0.5
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	10	0.5
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	10	0.5
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	10	0.5
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	18	0.5
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	18	0.5
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	18	0.5
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	18	0.5
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	18	0.5
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	18	0.5
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	7	0.5
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	7	0.5
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	7	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	7	0.5
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	7	0.5
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	7	0.5
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	16	0.5
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	2	0.5
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	9	0.5
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	9	0.5
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	13	0.5
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	13	0.5
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	6	0.5
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	6	0.5
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	6	0.5
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	19	0.5
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	19	0.5
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	19	0.5
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	11	0.5
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	11	0.5
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	11	0.5
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	20	0.5
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	10	0.5
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	10	0.5
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	10	0.5
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	10	0.5
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	9	0.5
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	9	0.5
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	19	0.5
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	19	0.5
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	19	0.5
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	19	0.5
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	19	0.5
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	19	0.5
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	11	0.5
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	1	0.5
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	1	0.5
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	1	0.5
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	1	0.5
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	1	0.5
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	1	0.5
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	11	0.5
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	11	0.5
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	5	0.5
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	5	0.5
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	5	0.5
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	1	0.5
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	1	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	13	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	13	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	13	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	13	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	13	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	13	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	16	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	16	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	16	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	16	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	16	0.5
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	16	0.5
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	11	0.5
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	11	0.5
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	11	0.5
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	11	0.5
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	11	0.5
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	11	0.5
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	12	0.5
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	12	0.5
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	5	0.5
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	5	0.5
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	2	0.5
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	17	0.5
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	14	0.5
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	14	0.5
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	14	0.5
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	14	0.5
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	14	0.5
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	14	0.5
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	2	0.5
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	20	0.5
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	18	0.5
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	5	0.5
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	5	0.5
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	4	0.5
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	4	0.5
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	4	0.5
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	4	0.5
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	4	0.5
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	2	0.5
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	8	0.5
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	8	0.5
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	8	0.5
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	8	0.5
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	8	0.5
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	8	0.5
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	4	0.5
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	4	0.5
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	4	0.5
(1,1348)	1:73:A:ARG:HA	1:73:A:ARG:HD3	16	0.5
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD2	12	0.5
(1,1340)	1:99:A:GLN:HA	1:102:A:ARG:HD3	12	0.5
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	12	0.5
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	12	0.5
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	12	0.5
(1,1272)	1:9:A:VAL:HG11	1:96:A:TYR:H	16	0.5
(1,1272)	1:9:A:VAL:HG12	1:96:A:TYR:H	16	0.5
(1,1272)	1:9:A:VAL:HG13	1:96:A:TYR:H	16	0.5
(1,1272)	1:9:A:VAL:HG21	1:96:A:TYR:H	16	0.5
(1,1272)	1:9:A:VAL:HG22	1:96:A:TYR:H	16	0.5
(1,1272)	1:9:A:VAL:HG23	1:96:A:TYR:H	16	0.5
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	9	0.5
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	11	0.5
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	6	0.5
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	6	0.5
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	6	0.5
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	6	0.5
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	6	0.5
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	6	0.5
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	1	0.5
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	10	0.5
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	9	0.5
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	14	0.5
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	19	0.5
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	11	0.5
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	11	0.5
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	11	0.5
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	12	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	12	0.5
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	20	0.5
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	5	0.5
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	5	0.5
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	11	0.5
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	11	0.5
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	20	0.5
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	20	0.5
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	11	0.5
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	11	0.5
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	11	0.5
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	18	0.5
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	10	0.5
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	18	0.5
(1,575)	1:165:A:LYS:HB2	1:166:A:HIS:HA	9	0.5
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	19	0.5
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	16	0.5
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	16	0.5
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	16	0.5
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	8	0.5
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	8	0.5
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	9	0.5
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	9	0.5
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	3	0.5
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	3	0.5
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	3	0.5
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	17	0.5
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	15	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	20	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	20	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	20	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	20	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	20	0.5
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	20	0.5
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	2	0.5
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	17	0.5
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	19	0.5
(1,1)	1:10:A:GLY:HA2	1:81:A:VAL:HB	4	0.5
(1,1)	1:10:A:GLY:HA3	1:81:A:VAL:HB	4	0.5
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	10	0.49
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	10	0.49
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	10	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	20	0.49
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	20	0.49
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	3	0.49
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	3	0.49
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	4	0.49
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	4	0.49
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	13	0.49
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	13	0.49
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	14	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	1	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	1	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	1	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	2	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	2	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	2	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	3	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	3	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	3	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	5	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	5	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	5	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	8	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	8	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	8	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	14	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	14	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	14	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	15	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	15	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	15	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	18	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	18	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	18	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	19	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	19	0.49
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	19	0.49
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	15	0.49
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	17	0.49
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	1	0.49
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	19	0.49
(1,3123)	1:119:A:ASP:HB2	1:147:A:LYS:HB3	11	0.49
(1,3123)	1:119:A:ASP:HB3	1:147:A:LYS:HB3	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	6	0.49
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	6	0.49
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	7	0.49
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	7	0.49
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	15	0.49
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	15	0.49
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	3	0.49
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	10	0.49
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	2	0.49
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	5	0.49
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	5	0.49
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	5	0.49
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	5	0.49
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	5	0.49
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	5	0.49
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	17	0.49
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	1	0.49
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	12	0.49
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD2	18	0.49
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD3	18	0.49
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	1	0.49
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	1	0.49
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	20	0.49
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	20	0.49
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	20	0.49
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	6	0.49
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	6	0.49
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	6	0.49
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	6	0.49
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	6	0.49
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	6	0.49
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	9	0.49
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	9	0.49
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	9	0.49
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	9	0.49
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	9	0.49
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	9	0.49
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	10	0.49
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	10	0.49
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	10	0.49
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	9	0.49
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	9	0.49
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	12	0.49
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	12	0.49
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	12	0.49
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	10	0.49
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	10	0.49
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	10	0.49
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	15	0.49
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	15	0.49
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	15	0.49
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	13	0.49
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	13	0.49
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	13	0.49
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	13	0.49
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	13	0.49
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	13	0.49
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	4	0.49
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	13	0.49
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	17	0.49
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	17	0.49
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	17	0.49
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	17	0.49
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	17	0.49
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	17	0.49
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	4	0.49
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	14	0.49
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	8	0.49
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	8	0.49
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	8	0.49
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	8	0.49
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	8	0.49
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	8	0.49
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	8	0.49
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	8	0.49
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	8	0.49
(1,1747)	1:141:A:PHE:HZ	1:143:A:GLU:HG3	2	0.49
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	16	0.49
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	16	0.49
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	5	0.49
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	5	0.49
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	5	0.49
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	5	0.49
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	5	0.49
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	2	0.49
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	2	0.49
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	18	0.49
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	18	0.49
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	13	0.49
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	13	0.49
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	8	0.49
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	8	0.49
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	8	0.49
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	6	0.49
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	3	0.49
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	3	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	18	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	18	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	18	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	18	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	18	0.49
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	18	0.49
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	2	0.49
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	18	0.49
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	18	0.49
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	18	0.49
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	18	0.49
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	18	0.49
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	18	0.49
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	3	0.49
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	13	0.49
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	13	0.49
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	10	0.49
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	17	0.49
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	17	0.49
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	17	0.49
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	17	0.49
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	17	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	17	0.49
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	4	0.49
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	19	0.49
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	19	0.49
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	19	0.49
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	19	0.49
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	19	0.49
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	19	0.49
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	19	0.49
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	19	0.49
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	19	0.49
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	19	0.49
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	19	0.49
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	19	0.49
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	19	0.49
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	19	0.49
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	19	0.49
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	19	0.49
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	19	0.49
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	19	0.49
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	7	0.49
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	7	0.49
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	13	0.49
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	13	0.49
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	13	0.49
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	5	0.49
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	5	0.49
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	5	0.49
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	5	0.49
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	5	0.49
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	5	0.49
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	3	0.49
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	9	0.49
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	18	0.49
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	20	0.49
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	14	0.49
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	14	0.49
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	14	0.49
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	15	0.49
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	2	0.49
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	2	0.49
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	13	0.49
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	13	0.49
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	13	0.49
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	1	0.49
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	12	0.49
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	17	0.49
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	14	0.49
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	14	0.49
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	14	0.49
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	14	0.49
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	12	0.49
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	12	0.49
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	12	0.49
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	6	0.49
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	6	0.49
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	1	0.49
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	4	0.49
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	18	0.49
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	20	0.49
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	15	0.49
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	15	0.49
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	1	0.49
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	12	0.49
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	12	0.49
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	12	0.49
(1,605)	1:36:A:ILE:HD11	1:37:A:GLU:H	17	0.49
(1,605)	1:36:A:ILE:HD12	1:37:A:GLU:H	17	0.49
(1,605)	1:36:A:ILE:HD13	1:37:A:GLU:H	17	0.49
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	10	0.49
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	10	0.49
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	10	0.49
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	4	0.49
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	4	0.49
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	4	0.49
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	4	0.49
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	4	0.49
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	4	0.49
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	15	0.49
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	15	0.49
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	15	0.49
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	15	0.49
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	15	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	15	0.49
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	16	0.49
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	16	0.49
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	16	0.49
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	16	0.49
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	16	0.49
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	11	0.49
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	15	0.49
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	15	0.49
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	15	0.49
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	15	0.49
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	15	0.49
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	15	0.49
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	17	0.49
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	17	0.49
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	17	0.49
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	8	0.49
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	8	0.49
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	8	0.49
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	8	0.49
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	8	0.49
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	8	0.49
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	14	0.49
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	14	0.49
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	14	0.49
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	14	0.49
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	14	0.49
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	14	0.49
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	15	0.49
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	15	0.49
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	15	0.49
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	15	0.49
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	15	0.49
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	15	0.49
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	18	0.49
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	18	0.49
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	18	0.49
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	18	0.49
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	18	0.49
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	18	0.49
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	19	0.49
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	19	0.49
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	19	0.49
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	19	0.49
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	19	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	8	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	8	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	8	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	8	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	8	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	8	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	14	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	14	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	14	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	14	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	14	0.49
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	14	0.49
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	20	0.49
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	19	0.49
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	19	0.49
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	19	0.49
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	3	0.49
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	3	0.49
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	3	0.49
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	3	0.49
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	3	0.49
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	3	0.49
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	7	0.49
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	7	0.49
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	19	0.49
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	19	0.49
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	19	0.49
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	19	0.48
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	7	0.48
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	7	0.48
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	7	0.48
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	7	0.48
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	7	0.48
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	5	0.48
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	5	0.48
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	5	0.48
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	5	0.48
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	5	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	5	0.48
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	17	0.48
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	17	0.48
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	17	0.48
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	2	0.48
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	2	0.48
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	2	0.48
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	18	0.48
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	18	0.48
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	18	0.48
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	11	0.48
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	11	0.48
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	11	0.48
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	2	0.48
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	9	0.48
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	7	0.48
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	7	0.48
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	7	0.48
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	7	0.48
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	7	0.48
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	8	0.48
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	2	0.48
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	11	0.48
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	20	0.48
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	11	0.48
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	5	0.48
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	5	0.48
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	19	0.48
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	19	0.48
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	19	0.48
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	19	0.48
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	5	0.48
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	15	0.48
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	17	0.48
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	17	0.48
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	8	0.48
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	11	0.48
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	11	0.48
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	14	0.48
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD2	12	0.48
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD3	12	0.48
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	14	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	17	0.48
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	5	0.48
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	5	0.48
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	15	0.48
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	15	0.48
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	5	0.48
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	5	0.48
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	5	0.48
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	5	0.48
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	5	0.48
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	5	0.48
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	5	0.48
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	5	0.48
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	5	0.48
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	1	0.48
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	4	0.48
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	11	0.48
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	14	0.48
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	17	0.48
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	18	0.48
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	18	0.48
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	18	0.48
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	12	0.48
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	12	0.48
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	12	0.48
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	16	0.48
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	16	0.48
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	16	0.48
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	10	0.48
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	10	0.48
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	17	0.48
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	13	0.48
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	14	0.48
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	17	0.48
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	12	0.48
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	14	0.48
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	9	0.48
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	9	0.48
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	9	0.48
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	9	0.48
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	1	0.48
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	12	0.48
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	13	0.48
(1,1795)	1:111:A:MET:HB3	1:139:A:ILE:HG12	13	0.48
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	1	0.48
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	1	0.48
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	1	0.48
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	6	0.48
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	6	0.48
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	6	0.48
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	20	0.48
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	5	0.48
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	3	0.48
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	3	0.48
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	18	0.48
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	18	0.48
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	3	0.48
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	20	0.48
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	16	0.48
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	16	0.48
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	7	0.48
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	7	0.48
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	10	0.48
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	6	0.48
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	6	0.48
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	6	0.48
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	6	0.48
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	6	0.48
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	6	0.48
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	10	0.48
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	15	0.48
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	14	0.48
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	14	0.48
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	9	0.48
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	9	0.48
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	9	0.48
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	9	0.48
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	9	0.48
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	9	0.48
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	15	0.48
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	16	0.48
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	16	0.48
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	8	0.48
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	3	0.48
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	9	0.48
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	9	0.48
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	9	0.48
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	12	0.48
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	12	0.48
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	12	0.48
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	8	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	6	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	7	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	8	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	9	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	11	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	13	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	14	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	15	0.48
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	18	0.48
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	3	0.48
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	3	0.48
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	10	0.48
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	10	0.48
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	10	0.48
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	6	0.48
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	12	0.48
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	13	0.48
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	15	0.48
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	18	0.48
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB2	13	0.48
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB3	13	0.48
(1,464)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	18	0.48
(1,464)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	18	0.48
(1,464)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	18	0.48
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	1	0.48
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	1	0.48
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	1	0.48
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	12	0.48
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	12	0.48
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	13	0.48
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	13	0.48
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	12	0.48
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	12	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	18	0.48
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	18	0.48
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	18	0.48
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	18	0.48
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	18	0.48
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	18	0.48
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	3	0.48
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	7	0.48
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	15	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	4	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	4	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	4	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	4	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	4	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	4	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	5	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	5	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	5	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	5	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	5	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	5	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	6	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	6	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	6	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	6	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	6	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	6	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	11	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	11	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	11	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	11	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	11	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	11	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	13	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	13	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	13	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	13	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	13	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	13	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	16	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	16	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	16	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	16	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	16	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	16	0.48
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	17	0.48
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	17	0.48
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	17	0.48
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	17	0.48
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	17	0.48
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	17	0.48
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	17	0.48
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	17	0.48
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	17	0.48
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	9	0.48
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	9	0.48
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	9	0.48
(1,123)	1:72:A:MET:H	1:72:A:MET:HG2	15	0.48
(1,123)	1:72:A:MET:H	1:72:A:MET:HG3	15	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	17	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	17	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	17	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	17	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	17	0.48
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	17	0.48
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	1	0.48
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	13	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	2	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	2	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	2	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	4	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	4	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	4	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	9	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	9	0.48
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	9	0.48
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	5	0.47
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	18	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	1	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	1	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	1	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	3	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	3	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	3	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	6	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	6	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	6	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	7	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	7	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	7	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	8	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	8	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	8	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	9	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	9	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	9	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	11	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	11	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	11	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	13	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	13	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	13	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	14	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	14	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	14	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	15	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	15	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	15	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	16	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	16	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	16	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	17	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	17	0.47
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	17	0.47
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	10	0.47
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	10	0.47
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	10	0.47
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	16	0.47
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	16	0.47
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	15	0.47
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	3	0.47
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	13	0.47
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	13	0.47
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	2	0.47
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	2	0.47
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	2	0.47
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	16	0.47
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	16	0.47
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	16	0.47
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	16	0.47
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	16	0.47
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	16	0.47
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	20	0.47
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	20	0.47
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	20	0.47
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	3	0.47
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	1	0.47
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	1	0.47
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	8	0.47
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	16	0.47
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	16	0.47
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	11	0.47
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	13	0.47
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	9	0.47
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	9	0.47
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	17	0.47
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	17	0.47
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	7	0.47
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	7	0.47
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	7	0.47
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	7	0.47
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	7	0.47
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	7	0.47
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	15	0.47
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	15	0.47
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	15	0.47
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	15	0.47
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	15	0.47
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	15	0.47
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	15	0.47
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	15	0.47
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	15	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	2	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	5	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	6	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	7	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	10	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	12	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	15	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	19	0.47
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	20	0.47
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	14	0.47
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	14	0.47
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	14	0.47
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	17	0.47
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	17	0.47
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	5	0.47
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	5	0.47
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	5	0.47
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	17	0.47
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	19	0.47
(1,2173)	1:147:A:LYS:HD2	2:201:A:GNP:HN1	5	0.47
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD11	17	0.47
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD12	17	0.47
(1,2143)	1:54:A:ASP:HA	1:55:A:ILE:HD13	17	0.47
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	9	0.47
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	19	0.47
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	15	0.47
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	15	0.47
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	15	0.47
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	15	0.47
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	15	0.47
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	15	0.47
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	8	0.47
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	8	0.47
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	8	0.47
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	8	0.47
(1,2008)	1:126:A:ASP:HB2	1:129:A:GLN:H	17	0.47
(1,2008)	1:126:A:ASP:HB3	1:129:A:GLN:H	17	0.47
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	17	0.47
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	10	0.47
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	10	0.47
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	2	0.47
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	2	0.47
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	2	0.47
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	2	0.47
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	2	0.47
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	2	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	3	0.47
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	3	0.47
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	3	0.47
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	3	0.47
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	3	0.47
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	3	0.47
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	9	0.47
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	9	0.47
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	9	0.47
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	4	0.47
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	11	0.47
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	11	0.47
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	3	0.47
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	3	0.47
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	2	0.47
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	19	0.47
(1,1589)	1:94:A:HIS:HB2	1:97:A:ARG:HD3	13	0.47
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	6	0.47
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	14	0.47
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	14	0.47
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	2	0.47
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	12	0.47
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	12	0.47
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	12	0.47
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	16	0.47
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	16	0.47
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	16	0.47
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	2	0.47
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	14	0.47
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	6	0.47
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	6	0.47
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	15	0.47
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	15	0.47
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	16	0.47
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	16	0.47
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	16	0.47
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	16	0.47
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	16	0.47
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	16	0.47
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	6	0.47
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	11	0.47
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	1	0.47
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	1	0.47
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	1	0.47
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	2	0.47
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	2	0.47
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	2	0.47
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	5	0.47
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	3	0.47
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	13	0.47
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	3	0.47
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	8	0.47
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	10	0.47
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	10	0.47
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	10	0.47
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	10	0.47
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	10	0.47
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	10	0.47
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	10	0.47
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	10	0.47
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	10	0.47
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	10	0.47
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	10	0.47
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	10	0.47
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	10	0.47
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	10	0.47
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	2	0.47
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	5	0.47
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	11	0.47
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	11	0.47
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	2	0.47
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	2	0.47
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	1	0.47
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	1	0.47
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	1	0.47
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	11	0.47
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	11	0.47
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	11	0.47
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	17	0.47
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	17	0.47
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	17	0.47
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	5	0.47
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	18	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	18	0.47
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	18	0.47
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	15	0.47
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	15	0.47
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	15	0.47
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	9	0.47
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	9	0.47
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	9	0.47
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	9	0.47
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	9	0.47
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	9	0.47
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	2	0.47
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	2	0.47
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	2	0.47
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	18	0.47
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	18	0.47
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	18	0.47
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	3	0.47
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	3	0.47
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	3	0.47
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	3	0.47
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	3	0.47
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	3	0.47
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	12	0.47
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	12	0.47
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	12	0.47
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	12	0.47
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	12	0.47
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	12	0.47
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	19	0.47
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	19	0.47
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	19	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	7	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	7	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	7	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	8	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	8	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	8	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	10	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	10	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	10	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	12	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	12	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	12	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	13	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	13	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	13	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	14	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	14	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	14	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	15	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	15	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	15	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	16	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	16	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	16	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	18	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	18	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	18	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	19	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	19	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	19	0.47
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	20	0.47
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	20	0.47
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	20	0.47
(1,123)	1:72:A:MET:H	1:72:A:MET:HG2	14	0.47
(1,123)	1:72:A:MET:H	1:72:A:MET:HG3	14	0.47
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	7	0.47
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	18	0.47
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	14	0.47
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	14	0.47
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	14	0.47
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	13	0.47
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	13	0.47
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	13	0.47
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	13	0.47
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	13	0.47
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	13	0.47
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	1	0.47
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	12	0.47
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD1	9	0.47
(1,9)	1:64:A:TYR:HA	1:64:A:TYR:HD2	9	0.47
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	8	0.47
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	8	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	8	0.47
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	16	0.47
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	16	0.47
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	16	0.47
(1,1)	1:10:A:GLY:HA2	1:81:A:VAL:HB	12	0.47
(1,1)	1:10:A:GLY:HA3	1:81:A:VAL:HB	12	0.47
(1,1)	1:10:A:GLY:HA2	1:81:A:VAL:HB	13	0.47
(1,1)	1:10:A:GLY:HA3	1:81:A:VAL:HB	13	0.47
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	12	0.46
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	12	0.46
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	12	0.46
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	12	0.46
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	12	0.46
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	12	0.46
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	12	0.46
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	12	0.46
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	12	0.46
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	12	0.46
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	12	0.46
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	12	0.46
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	6	0.46
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	6	0.46
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	15	0.46
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	15	0.46
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	8	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	3	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	3	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	3	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	12	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	12	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	12	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	16	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	16	0.46
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	16	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	4	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	4	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	4	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	5	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	5	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	5	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	19	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	19	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	20	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	20	0.46
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	20	0.46
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	4	0.46
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	4	0.46
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	4	0.46
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	11	0.46
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	13	0.46
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	4	0.46
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	4	0.46
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	17	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	1	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	1	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	1	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	3	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	3	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	3	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	5	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	5	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	5	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	8	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	8	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	8	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	9	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	9	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	9	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	10	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	10	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	10	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	13	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	13	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	13	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	15	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	15	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	15	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	16	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	16	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	16	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	17	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	17	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	17	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	20	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	20	0.46
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	20	0.46
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	14	0.46
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	14	0.46
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	14	0.46
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	5	0.46
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	5	0.46
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	5	0.46
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	5	0.46
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	5	0.46
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	5	0.46
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	5	0.46
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	5	0.46
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	5	0.46
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	5	0.46
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	5	0.46
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	5	0.46
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	4	0.46
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	18	0.46
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	18	0.46
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	17	0.46
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	17	0.46
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	18	0.46
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	18	0.46
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	14	0.46
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	14	0.46
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	14	0.46
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	3	0.46
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	3	0.46
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	9	0.46
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	16	0.46
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	18	0.46
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	3	0.46
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	6	0.46
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	6	0.46
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	6	0.46
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	2	0.46
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	2	0.46
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	2	0.46
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	13	0.46
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	13	0.46
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	18	0.46
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	7	0.46
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	20	0.46
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	1	0.46
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	12	0.46
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	12	0.46
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	12	0.46
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	16	0.46
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	13	0.46
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	13	0.46
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	13	0.46
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	13	0.46
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	13	0.46
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	13	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	1	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	1	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	1	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	1	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	1	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	1	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	1	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	1	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	1	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	1	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	1	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	1	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	9	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	9	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	9	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	9	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	9	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	9	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	9	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	9	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	9	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	9	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	9	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	9	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	19	0.46
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	19	0.46
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	19	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	19	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	19	0.46
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	19	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	19	0.46
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	19	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	19	0.46
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	19	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	19	0.46
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	19	0.46
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	14	0.46
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	14	0.46
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	14	0.46
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	14	0.46
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	14	0.46
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	14	0.46
(1,2006)	1:126:A:ASP:HB2	1:129:A:GLN:HG3	14	0.46
(1,2006)	1:126:A:ASP:HB3	1:129:A:GLN:HG3	14	0.46
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	16	0.46
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	1	0.46
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	8	0.46
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	8	0.46
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	8	0.46
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	8	0.46
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	8	0.46
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	17	0.46
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	17	0.46
(1,1625)	1:97:A:ARG:H	1:97:A:ARG:HD3	11	0.46
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	11	0.46
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	16	0.46
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	16	0.46
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	16	0.46
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	4	0.46
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	5	0.46
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	11	0.46
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	11	0.46
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	11	0.46
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	11	0.46
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	11	0.46
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	11	0.46
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	12	0.46
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	11	0.46
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	11	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1348)	1:73:A:ARG:HA	1:73:A:ARG:HD3	8	0.46
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	15	0.46
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	15	0.46
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	4	0.46
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	9	0.46
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	14	0.46
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	9	0.46
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	9	0.46
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	9	0.46
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	9	0.46
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	9	0.46
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	9	0.46
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	19	0.46
(1,1140)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	19	0.46
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	19	0.46
(1,1140)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	19	0.46
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	19	0.46
(1,1140)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	19	0.46
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	4	0.46
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	19	0.46
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	19	0.46
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	19	0.46
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	8	0.46
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	14	0.46
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	14	0.46
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	18	0.46
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	18	0.46
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	18	0.46
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	18	0.46
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	18	0.46
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	18	0.46
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	18	0.46
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	18	0.46
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	18	0.46
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	18	0.46
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	18	0.46
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	18	0.46
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	2	0.46
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	2	0.46
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	2	0.46
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	10	0.46
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	2	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	2	0.46
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	2	0.46
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	3	0.46
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	20	0.46
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	6	0.46
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	6	0.46
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	16	0.46
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	16	0.46
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	9	0.46
(1,229)	1:20:A:THR:HB	1:21:A:ILE:H	19	0.46
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	4	0.46
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	7	0.46
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	14	0.46
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	15	0.46
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	15	0.46
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	15	0.46
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	15	0.46
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	15	0.46
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	15	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	1	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	1	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	1	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	2	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	2	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	2	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	3	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	3	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	3	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	5	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	5	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	5	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	6	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	6	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	6	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	11	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	11	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	11	0.46
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	17	0.46
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	17	0.46
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	17	0.46
(1,117)	1:98:A:GLU:H	1:98:A:GLU:HB3	2	0.46
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	12	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	12	0.46
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	12	0.46
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	12	0.46
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	12	0.46
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	12	0.46
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	12	0.46
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	12	0.46
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	12	0.46
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	12	0.46
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	12	0.46
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	12	0.46
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	12	0.46
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	12	0.46
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	12	0.46
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	12	0.46
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	12	0.46
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	12	0.46
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	12	0.46
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	10	0.46
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	10	0.46
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	10	0.46
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	17	0.46
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	17	0.46
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	17	0.46
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	10	0.45
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	10	0.45
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG2	11	0.45
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG3	11	0.45
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	9	0.45
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	9	0.45
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	19	0.45
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	2	0.45
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	2	0.45
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	2	0.45
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	9	0.45
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	9	0.45
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	9	0.45
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	19	0.45
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	19	0.45
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	19	0.45
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	8	0.45
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	1	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	5	0.45
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	5	0.45
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	17	0.45
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	17	0.45
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	17	0.45
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	19	0.45
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	5	0.45
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	6	0.45
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	9	0.45
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	19	0.45
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	13	0.45
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	13	0.45
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	13	0.45
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	13	0.45
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	16	0.45
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	16	0.45
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB1	13	0.45
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB2	13	0.45
(1,2836)	1:154:A:ASP:HB3	1:155:A:ALA:HB3	13	0.45
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	8	0.45
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	8	0.45
(1,2788)	1:116:A:ASN:HA	1:145:A:SER:H	16	0.45
(1,2775)	1:23:A:LEU:HD11	1:24:A:ILE:HB	2	0.45
(1,2775)	1:23:A:LEU:HD12	1:24:A:ILE:HB	2	0.45
(1,2775)	1:23:A:LEU:HD13	1:24:A:ILE:HB	2	0.45
(1,2775)	1:23:A:LEU:HD21	1:24:A:ILE:HB	2	0.45
(1,2775)	1:23:A:LEU:HD22	1:24:A:ILE:HB	2	0.45
(1,2775)	1:23:A:LEU:HD23	1:24:A:ILE:HB	2	0.45
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	4	0.45
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	4	0.45
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	4	0.45
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	4	0.45
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	4	0.45
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	4	0.45
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	20	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	2	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	2	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	2	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	4	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	4	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	4	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	7	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	7	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	12	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	12	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	12	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	14	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	14	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	14	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	18	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	18	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	18	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	19	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	19	0.45
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	19	0.45
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	17	0.45
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	17	0.45
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	17	0.45
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	17	0.45
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	17	0.45
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	17	0.45
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	7	0.45
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	2	0.45
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	2	0.45
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	1	0.45
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	17	0.45
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	18	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	2	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	2	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	3	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	3	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	8	0.45
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	8	0.45
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	7	0.45
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	7	0.45
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	7	0.45
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	4	0.45
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	4	0.45
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	4	0.45
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	4	0.45
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	4	0.45
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	4	0.45
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	12	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	12	0.45
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	12	0.45
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	12	0.45
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	12	0.45
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	12	0.45
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	12	0.45
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	12	0.45
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	12	0.45
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	15	0.45
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	15	0.45
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	15	0.45
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	15	0.45
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	15	0.45
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	15	0.45
(1,2350)	1:160:A:VAL:H	1:160:A:VAL:HB	13	0.45
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	3	0.45
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	3	0.45
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	3	0.45
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	3	0.45
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	3	0.45
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	3	0.45
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	5	0.45
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	5	0.45
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	5	0.45
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	17	0.45
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	9	0.45
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	9	0.45
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	2	0.45
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	3	0.45
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	8	0.45
(1,2156)	1:111:A:MET:H	1:140:A:PRO:HD3	13	0.45
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	1	0.45
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	1	0.45
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	1	0.45
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	1	0.45
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	1	0.45
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	1	0.45
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	4	0.45
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	4	0.45
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	4	0.45
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	4	0.45
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	4	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	4	0.45
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	13	0.45
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	13	0.45
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	13	0.45
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	19	0.45
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	19	0.45
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	19	0.45
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	17	0.45
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	17	0.45
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	7	0.45
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	7	0.45
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	7	0.45
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	7	0.45
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	7	0.45
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	7	0.45
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	7	0.45
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	7	0.45
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	7	0.45
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	7	0.45
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	7	0.45
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	7	0.45
(1,2062)	1:128:A:LYS:H	1:129:A:GLN:HG3	18	0.45
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	15	0.45
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	15	0.45
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	15	0.45
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	15	0.45
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	15	0.45
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	15	0.45
(1,1906)	1:118:A:SER:HB2	1:143:A:GLU:HB3	18	0.45
(1,1906)	1:118:A:SER:HB3	1:143:A:GLU:HB3	18	0.45
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	16	0.45
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	16	0.45
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	16	0.45
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG11	10	0.45
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG12	10	0.45
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG13	10	0.45
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG21	10	0.45
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG22	10	0.45
(1,1838)	1:111:A:MET:H	1:112:A:VAL:HG23	10	0.45
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	18	0.45
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	7	0.45
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1747)	1:141:A:PHE:HZ	1:143:A:GLU:HG3	15	0.45
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	16	0.45
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	16	0.45
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	16	0.45
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	16	0.45
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	18	0.45
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	18	0.45
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	18	0.45
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	18	0.45
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	18	0.45
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	18	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	1	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	1	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	2	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	2	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	6	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	6	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	13	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	13	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	14	0.45
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	14	0.45
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	7	0.45
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	2	0.45
(1,1590)	1:93:A:ILE:HB	1:94:A:HIS:HB3	4	0.45
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	2	0.45
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	2	0.45
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	4	0.45
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	4	0.45
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG21	18	0.45
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG22	18	0.45
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG23	18	0.45
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG21	18	0.45
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG22	18	0.45
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG23	18	0.45
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG21	18	0.45
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG22	18	0.45
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG23	18	0.45
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	7	0.45
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	15	0.45
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	17	0.45
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	17	0.45
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	17	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	17	0.45
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	17	0.45
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	17	0.45
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	8	0.45
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	10	0.45
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	10	0.45
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	20	0.45
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	20	0.45
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	5	0.45
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	18	0.45
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	13	0.45
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	13	0.45
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	3	0.45
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	6	0.45
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	17	0.45
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	18	0.45
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	19	0.45
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	20	0.45
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	19	0.45
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	19	0.45
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	19	0.45
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	19	0.45
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	19	0.45
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	19	0.45
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	11	0.45
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	18	0.45
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	18	0.45
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	18	0.45
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	12	0.45
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	12	0.45
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	12	0.45
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	6	0.45
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	6	0.45
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	11	0.45
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	11	0.45
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	14	0.45
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	14	0.45
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	6	0.45
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	12	0.45
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	11	0.45
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	20	0.45
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	20	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	20	0.45
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	2	0.45
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	2	0.45
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	4	0.45
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	4	0.45
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	4	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	8	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	8	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	8	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	16	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	16	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	16	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	20	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	20	0.45
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	20	0.45
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	16	0.45
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	16	0.45
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	14	0.45
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	14	0.45
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	14	0.45
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	12	0.45
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	12	0.45
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG2	10	0.45
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG3	10	0.45
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	19	0.45
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	19	0.45
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	19	0.45
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	8	0.45
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	14	0.45
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	20	0.45
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	20	0.45
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	20	0.45
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	20	0.45
(1,545)	1:119:A:ASP:HB2	1:145:A:SER:HB2	16	0.45
(1,545)	1:119:A:ASP:HB2	1:145:A:SER:HB3	16	0.45
(1,545)	1:119:A:ASP:HB3	1:145:A:SER:HB2	16	0.45
(1,545)	1:119:A:ASP:HB3	1:145:A:SER:HB3	16	0.45
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	7	0.45
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	7	0.45
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	7	0.45
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	6	0.45
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	6	0.45
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	6	0.45
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	6	0.45
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	6	0.45
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	11	0.45
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	11	0.45
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	11	0.45
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	11	0.45
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	11	0.45
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	11	0.45
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	5	0.45
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	5	0.45
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	5	0.45
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	5	0.45
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	5	0.45
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	5	0.45
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	2	0.45
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	10	0.45
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	10	0.45
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	8	0.45
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	8	0.45
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	8	0.45
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	8	0.45
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	8	0.45
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	8	0.45
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	13	0.45
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	13	0.45
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	20	0.45
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	20	0.45
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	20	0.45
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	20	0.45
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	20	0.45
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	20	0.45
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	4	0.45
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	6	0.45
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	9	0.45
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	19	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	2	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	3	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	4	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	6	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	8	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	10	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	11	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	12	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	13	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	15	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	17	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	18	0.45
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	20	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	9	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	9	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	9	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	9	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	9	0.45
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	9	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	9	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	9	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	9	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	9	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	9	0.45
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	9	0.45
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	4	0.45
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	4	0.45
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	4	0.45
(1,152)	1:29:A:VAL:HG11	2:201:A:GNP:H8	4	0.45
(1,152)	1:29:A:VAL:HG12	2:201:A:GNP:H8	4	0.45
(1,152)	1:29:A:VAL:HG13	2:201:A:GNP:H8	4	0.45
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	19	0.45
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	13	0.45
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	13	0.45
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	13	0.45
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	8	0.45
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	10	0.45
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	10	0.45
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	10	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG11	5	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG12	5	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG13	5	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG21	5	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG22	5	0.45
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG23	5	0.45
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	2	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	3	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	3	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	5	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	5	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	5	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	7	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	7	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	7	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	13	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	13	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	13	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	15	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	15	0.45
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	15	0.45
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	6	0.44
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	6	0.44
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	6	0.44
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	17	0.44
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	17	0.44
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	17	0.44
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	17	0.44
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	17	0.44
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	17	0.44
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	17	0.44
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	17	0.44
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	17	0.44
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	17	0.44
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	17	0.44
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	17	0.44
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	8	0.44
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	8	0.44
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	16	0.44
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	16	0.44
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	6	0.44
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	6	0.44
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	6	0.44
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	5	0.44
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	2	0.44
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	2	0.44
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	2	0.44
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	2	0.44
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	2	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	2	0.44
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	8	0.44
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	8	0.44
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	8	0.44
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	8	0.44
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	8	0.44
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	8	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	8	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	8	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	8	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	18	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	18	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	18	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	20	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	20	0.44
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	20	0.44
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	15	0.44
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	9	0.44
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	9	0.44
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	9	0.44
(1,3123)	1:119:A:ASP:HB2	1:147:A:LYS:HB3	20	0.44
(1,3123)	1:119:A:ASP:HB3	1:147:A:LYS:HB3	20	0.44
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	10	0.44
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	10	0.44
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	11	0.44
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	11	0.44
(1,3106)	1:68:A:ARG:HB2	1:68:A:ARG:HE	12	0.44
(1,3106)	1:68:A:ARG:HB3	1:68:A:ARG:HE	12	0.44
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	8	0.44
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	8	0.44
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	14	0.44
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	14	0.44
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	1	0.44
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	3	0.44
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	16	0.44
(1,2835)	1:73:A:ARG:HB2	1:73:A:ARG:HE	7	0.44
(1,2835)	1:73:A:ARG:HB3	1:73:A:ARG:HE	7	0.44
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD21	9	0.44
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD22	9	0.44
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD21	9	0.44
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD22	9	0.44
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD21	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD22	9	0.44
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	5	0.44
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	5	0.44
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	5	0.44
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	5	0.44
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	5	0.44
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	5	0.44
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	10	0.44
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	10	0.44
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	10	0.44
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	10	0.44
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	10	0.44
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	10	0.44
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE1	6	0.44
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE2	6	0.44
(1,2673)	1:111:A:MET:HG3	1:111:A:MET:HE3	6	0.44
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	16	0.44
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	7	0.44
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	7	0.44
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	8	0.44
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	8	0.44
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	10	0.44
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	10	0.44
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	10	0.44
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	10	0.44
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	10	0.44
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	10	0.44
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	10	0.44
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	10	0.44
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	10	0.44
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	10	0.44
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	10	0.44
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	10	0.44
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	8	0.44
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	19	0.44
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	19	0.44
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	4	0.44
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	4	0.44
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	10	0.44
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	10	0.44
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	12	0.44
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2404)	1:102:A:ARG:HA	1:102:A:ARG:HG2	14	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	8	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	8	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	8	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	8	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	8	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	8	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	11	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	11	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	11	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	11	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	11	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	11	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	14	0.44
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	14	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	14	0.44
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	14	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	14	0.44
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	14	0.44
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	15	0.44
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	15	0.44
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	15	0.44
(1,2268)	1:150:A:GLN:HG3	1:151:A:GLY:H	9	0.44
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	6	0.44
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	7	0.44
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	8	0.44
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	10	0.44
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	15	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	3	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	3	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	3	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	4	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	4	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	4	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	6	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	6	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	6	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	9	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	9	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	9	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	11	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	11	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	11	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	15	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	15	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	15	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	20	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	20	0.44
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	20	0.44
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	17	0.44
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	11	0.44
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	11	0.44
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	11	0.44
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	11	0.44
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	11	0.44
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	11	0.44
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	6	0.44
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	2	0.44
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	11	0.44
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	8	0.44
(1,1794)	1:111:A:MET:HB2	1:111:A:MET:HE1	11	0.44
(1,1794)	1:111:A:MET:HB2	1:111:A:MET:HE2	11	0.44
(1,1794)	1:111:A:MET:HB2	1:111:A:MET:HE3	11	0.44
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	3	0.44
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	3	0.44
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	3	0.44
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	20	0.44
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	20	0.44
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	20	0.44
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	20	0.44
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	20	0.44
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	20	0.44
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	8	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	4	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	4	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	5	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	5	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	7	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	7	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	10	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	10	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	11	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	11	0.44
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	12	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	12	0.44
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	9	0.44
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	9	0.44
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	17	0.44
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	17	0.44
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	12	0.44
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	17	0.44
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	3	0.44
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	12	0.44
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	14	0.44
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	15	0.44
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	15	0.44
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	19	0.44
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	19	0.44
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	20	0.44
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	20	0.44
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD1	4	0.44
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD2	4	0.44
(1,1508)	1:127:A:THR:HA	1:143:A:GLU:HG2	15	0.44
(1,1508)	1:127:A:THR:HA	1:143:A:GLU:HG3	15	0.44
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE1	3	0.44
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE2	3	0.44
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD11	6	0.44
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD12	6	0.44
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD13	6	0.44
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD21	6	0.44
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD22	6	0.44
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD23	6	0.44
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD11	6	0.44
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD12	6	0.44
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD13	6	0.44
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD21	6	0.44
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD22	6	0.44
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD23	6	0.44
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	13	0.44
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	17	0.44
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	7	0.44
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	7	0.44
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	7	0.44
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	7	0.44
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	7	0.44
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	7	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	2	0.44
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	5	0.44
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	7	0.44
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	10	0.44
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	11	0.44
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	7	0.44
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	7	0.44
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	7	0.44
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	7	0.44
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	6	0.44
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	6	0.44
(1,1195)	1:56:A:LEU:HD11	1:57:A:ASP:H	8	0.44
(1,1195)	1:56:A:LEU:HD12	1:57:A:ASP:H	8	0.44
(1,1195)	1:56:A:LEU:HD13	1:57:A:ASP:H	8	0.44
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	19	0.44
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	19	0.44
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	19	0.44
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	7	0.44
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	7	0.44
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	20	0.44
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	1	0.44
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB2	14	0.44
(1,930)	1:25:A:GLN:HE21	1:40:A:TYR:HB3	14	0.44
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	13	0.44
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	13	0.44
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	13	0.44
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	20	0.44
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	20	0.44
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	20	0.44
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	2	0.44
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	18	0.44
(1,779)	1:39:A:SER:HA	1:56:A:LEU:HG	19	0.44
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	4	0.44
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	4	0.44
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	4	0.44
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	2	0.44
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	13	0.44
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	9	0.44
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	5	0.44
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	5	0.44
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	2	0.44
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	19	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	19	0.44
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	19	0.44
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	19	0.44
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	19	0.44
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	19	0.44
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	19	0.44
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	19	0.44
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	19	0.44
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	19	0.44
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	19	0.44
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	19	0.44
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	5	0.44
(1,510)	1:24:A:ILE:H	1:25:A:GLN:HE21	14	0.44
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	10	0.44
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	10	0.44
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	10	0.44
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	10	0.44
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	10	0.44
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	10	0.44
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	12	0.44
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	20	0.44
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	20	0.44
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	15	0.44
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	15	0.44
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	17	0.44
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	17	0.44
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	15	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	17	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	17	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	17	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	17	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	17	0.44
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	17	0.44
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	9	0.44
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	9	0.44
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	9	0.44
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	9	0.44
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	9	0.44
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	9	0.44
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	17	0.44
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	1	0.44
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	5	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	9	0.44
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	16	0.44
(1,192)	1:15:A:GLY:HA2	2:201:A:GNP:H1'	19	0.44
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	6	0.44
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	13	0.44
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	13	0.44
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	13	0.44
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	13	0.44
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	13	0.44
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	13	0.44
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	8	0.44
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	8	0.44
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	8	0.44
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	8	0.44
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	8	0.44
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	8	0.44
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	7	0.44
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	7	0.44
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	7	0.44
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	9	0.43
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	16	0.43
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	16	0.43
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	16	0.43
(1,3247)	1:113:A:LEU:HG	1:114:A:VAL:H	2	0.43
(1,3247)	1:113:A:LEU:HG	1:114:A:VAL:H	10	0.43
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	6	0.43
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	6	0.43
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	16	0.43
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	16	0.43
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	6	0.43
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	6	0.43
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	6	0.43
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	8	0.43
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	19	0.43
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	19	0.43
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	5	0.43
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	18	0.43
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	16	0.43
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	16	0.43
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	13	0.43
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	4	0.43
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	5	0.43
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	5	0.43
(1,2710)	1:102:A:ARG:HB3	1:102:A:ARG:HE	17	0.43
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	16	0.43
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	17	0.43
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	13	0.43
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	13	0.43
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	13	0.43
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	13	0.43
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	13	0.43
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	13	0.43
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	18	0.43
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	18	0.43
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	7	0.43
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	7	0.43
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	11	0.43
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	11	0.43
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	20	0.43
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	20	0.43
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	2	0.43
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	2	0.43
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	2	0.43
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD11	1	0.43
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD12	1	0.43
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD13	1	0.43
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD21	1	0.43
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD22	1	0.43
(1,2378)	1:110:A:PRO:HB2	1:159:A:LEU:HD23	1	0.43
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	7	0.43
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	7	0.43
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	7	0.43
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	7	0.43
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	7	0.43
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	7	0.43
(1,2282)	1:151:A:GLY:HA3	1:154:A:ASP:HB3	13	0.43
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	1	0.43
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	15	0.43
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	3	0.43
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	3	0.43
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	12	0.43
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	12	0.43
(1,2175)	1:148:A:THR:H	2:201:A:GNP:HN1	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2173)	1:147:A:LYS:HD2	2:201:A:GNP:HN1	16	0.43
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	19	0.43
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	9	0.43
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	9	0.43
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	9	0.43
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	9	0.43
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	9	0.43
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	9	0.43
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	10	0.43
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	10	0.43
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	10	0.43
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	10	0.43
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	10	0.43
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	10	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	5	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	5	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	5	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	7	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	7	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	7	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	8	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	8	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	8	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	10	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	10	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	10	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	14	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	14	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	14	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	17	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	17	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	17	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	18	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	18	0.43
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	18	0.43
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	9	0.43
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	2	0.43
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	16	0.43
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	16	0.43
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	14	0.43
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	11	0.43
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	16	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	16	0.43
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	16	0.43
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	16	0.43
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	16	0.43
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	16	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	9	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	9	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	15	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	15	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	16	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	16	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	20	0.43
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	20	0.43
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	11	0.43
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	11	0.43
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	8	0.43
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	14	0.43
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	17	0.43
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	20	0.43
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	20	0.43
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	20	0.43
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	20	0.43
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	20	0.43
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	20	0.43
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	18	0.43
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	18	0.43
(1,1508)	1:127:A:THR:HA	1:143:A:GLU:HG2	2	0.43
(1,1508)	1:127:A:THR:HA	1:143:A:GLU:HG3	2	0.43
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	19	0.43
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	19	0.43
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	19	0.43
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	19	0.43
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	19	0.43
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	19	0.43
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	20	0.43
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	20	0.43
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	20	0.43
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	20	0.43
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	20	0.43
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	20	0.43
(1,1412)	1:75:A:GLY:HA3	1:76:A:GLU:HG3	14	0.43
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	5	0.43
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	5	0.43
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	5	0.43
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	5	0.43
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	5	0.43
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	5	0.43
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	18	0.43
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	18	0.43
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	10	0.43
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	10	0.43
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	16	0.43
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	16	0.43
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	12	0.43
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	15	0.43
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	17	0.43
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	17	0.43
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	17	0.43
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	5	0.43
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	5	0.43
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	5	0.43
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	5	0.43
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	5	0.43
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	5	0.43
(1,1130)	1:51:A:CYS:HB2	1:52:A:LEU:HB2	13	0.43
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	3	0.43
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	17	0.43
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	17	0.43
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	17	0.43
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	3	0.43
(1,942)	1:25:A:GLN:HB3	1:26:A:ASN:HD21	19	0.43
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	2	0.43
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	2	0.43
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD1	12	0.43
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD2	12	0.43
(1,906)	1:24:A:ILE:HA	1:42:A:LYS:HD2	12	0.43
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	2	0.43
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	2	0.43
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	2	0.43
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	5	0.43
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	5	0.43
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	5	0.43
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	14	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	14	0.43
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	14	0.43
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	12	0.43
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	12	0.43
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	12	0.43
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	17	0.43
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	17	0.43
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	17	0.43
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	1	0.43
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	1	0.43
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	1	0.43
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	3	0.43
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	9	0.43
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	10	0.43
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	11	0.43
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	19	0.43
(1,824)	1:119:A:ASP:H	2:201:A:GNP:HN1	16	0.43
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	12	0.43
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	12	0.43
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	3	0.43
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	18	0.43
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	5	0.43
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	8	0.43
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	19	0.43
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	14	0.43
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	14	0.43
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	14	0.43
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	11	0.43
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	10	0.43
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	10	0.43
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	12	0.43
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	12	0.43
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	12	0.43
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	12	0.43
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	12	0.43
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	12	0.43
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	12	0.43
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	12	0.43
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	12	0.43
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	12	0.43
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	12	0.43
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	7	0.43
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	7	0.43
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	7	0.43
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	7	0.43
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	7	0.43
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	7	0.43
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	10	0.43
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	7	0.43
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	10	0.43
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	10	0.43
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	10	0.43
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	19	0.43
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	11	0.43
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	11	0.43
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	11	0.43
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	3	0.43
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	3	0.43
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	3	0.43
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	3	0.43
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	3	0.43
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	3	0.43
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	10	0.43
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	10	0.43
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	10	0.43
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	10	0.43
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	10	0.43
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	10	0.43
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	8	0.43
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	8	0.43
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	15	0.43
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	15	0.43
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	15	0.43
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	15	0.43
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	15	0.43
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	15	0.43
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	6	0.43
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	12	0.43
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	12	0.43
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	12	0.43
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	12	0.43
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	12	0.43
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	12	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	16	0.43
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	18	0.43
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	18	0.43
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	18	0.43
(1,61)	1:153:A:ASP:HB2	1:154:A:ASP:H	9	0.43
(1,61)	1:153:A:ASP:HB3	1:154:A:ASP:H	9	0.43
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	1	0.43
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	1	0.43
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	1	0.43
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	12	0.43
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	12	0.43
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	12	0.43
(1,3277)	1:112:A:VAL:H	1:159:A:LEU:HA	1	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	4	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	4	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	4	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	5	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	5	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	5	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	15	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	15	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	15	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	19	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	19	0.42
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	19	0.42
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	7	0.42
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	7	0.42
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	20	0.42
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	20	0.42
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	20	0.42
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	8	0.42
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	2	0.42
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	2	0.42
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	11	0.42
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	11	0.42
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	7	0.42
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	18	0.42
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	18	0.42
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	18	0.42
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	18	0.42
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	2	0.42
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	18	0.42
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	18	0.42
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	7	0.42
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	7	0.42
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	7	0.42
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	4	0.42
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	4	0.42
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	6	0.42
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	6	0.42
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	19	0.42
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	8	0.42
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	8	0.42
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	8	0.42
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	8	0.42
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	8	0.42
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	8	0.42
(1,2623)	1:25:A:GLN:HB2	1:27:A:HIS:HE1	12	0.42
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	20	0.42
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	14	0.42
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	6	0.42
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	6	0.42
(1,2535)	1:168:A:GLU:H	1:169:A:LYS:H	2	0.42
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	12	0.42
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	1	0.42
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	2	0.42
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	2	0.42
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	1	0.42
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	3	0.42
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	3	0.42
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	3	0.42
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	3	0.42
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	3	0.42
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	3	0.42
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	20	0.42
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	20	0.42
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	20	0.42
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	20	0.42
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	20	0.42
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	20	0.42
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	10	0.42
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	14	0.42
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	9	0.42
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	9	0.42
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	9	0.42
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	9	0.42
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	9	0.42
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	9	0.42
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	4	0.42
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	4	0.42
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	4	0.42
(1,2351)	1:4:A:TYR:HE1	1:164:A:ARG:HA	20	0.42
(1,2351)	1:4:A:TYR:HE2	1:164:A:ARG:HA	20	0.42
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	20	0.42
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	20	0.42
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	20	0.42
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	19	0.42
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	20	0.42
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	20	0.42
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	17	0.42
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	17	0.42
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	20	0.42
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	20	0.42
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	20	0.42
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	19	0.42
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	19	0.42
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	19	0.42
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	7	0.42
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	2	0.42
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	9	0.42
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	14	0.42
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	17	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	1	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	1	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	1	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	2	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	2	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	2	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG21	16	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG22	16	0.42
(1,2127)	1:24:A:ILE:H	1:24:A:ILE:HG23	16	0.42
(1,2047)	1:148:A:THR:HG21	1:150:A:GLN:HB2	16	0.42
(1,2047)	1:148:A:THR:HG22	1:150:A:GLN:HB2	16	0.42
(1,2047)	1:148:A:THR:HG23	1:150:A:GLN:HB2	16	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	1	0.42
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	1	0.42
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG11	1	0.42
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG12	1	0.42
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG13	1	0.42
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG21	1	0.42
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG22	1	0.42
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG23	1	0.42
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	18	0.42
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	9	0.42
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	18	0.42
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	18	0.42
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG2	19	0.42
(1,1649)	1:99:A:GLN:H	1:99:A:GLN:HG3	19	0.42
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	13	0.42
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	14	0.42
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	16	0.42
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	11	0.42
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	11	0.42
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	11	0.42
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	11	0.42
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	11	0.42
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	11	0.42
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE1	18	0.42
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE2	18	0.42
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD11	17	0.42
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD12	17	0.42
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD13	17	0.42
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD21	17	0.42
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD22	17	0.42
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD23	17	0.42
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD11	17	0.42
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD12	17	0.42
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD13	17	0.42
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD21	17	0.42
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD22	17	0.42
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD23	17	0.42
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	20	0.42
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	16	0.42
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	16	0.42
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	14	0.42
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	16	0.42
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	4	0.42
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	4	0.42
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	4	0.42
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	4	0.42
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	5	0.42
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	10	0.42
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	10	0.42
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	10	0.42
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	8	0.42
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	8	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	9	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	9	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	9	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	9	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	9	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	9	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	9	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	9	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	9	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	9	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	9	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	9	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	17	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	17	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	17	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	17	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	17	0.42
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	17	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	17	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	17	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	17	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	17	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	17	0.42
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	17	0.42
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD11	3	0.42
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD12	3	0.42
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD13	3	0.42
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD21	3	0.42
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD22	3	0.42
(1,945)	1:43:A:GLN:HE21	1:52:A:LEU:HD23	3	0.42
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	7	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	11	0.42
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	13	0.42
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	11	0.42
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	20	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	1	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	4	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	5	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	7	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	8	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	12	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	13	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	16	0.42
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	20	0.42
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	3	0.42
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	14	0.42
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	8	0.42
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	8	0.42
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	8	0.42
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	14	0.42
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	19	0.42
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	19	0.42
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	19	0.42
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	18	0.42
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	18	0.42
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	12	0.42
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	12	0.42
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	12	0.42
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	12	0.42
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	16	0.42
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	16	0.42
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	16	0.42
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	16	0.42
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	16	0.42
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	16	0.42
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	16	0.42
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	16	0.42
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	16	0.42
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	16	0.42
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	16	0.42
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	16	0.42
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	3	0.42
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB2	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB3	1	0.42
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	16	0.42
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	4	0.42
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	4	0.42
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	4	0.42
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	12	0.42
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	12	0.42
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	12	0.42
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	12	0.42
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	12	0.42
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	12	0.42
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	20	0.42
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	20	0.42
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	20	0.42
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	12	0.42
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	12	0.42
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	12	0.42
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	6	0.42
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	6	0.42
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	6	0.42
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	6	0.42
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	6	0.42
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	6	0.42
(1,123)	1:72:A:MET:H	1:72:A:MET:HG2	1	0.42
(1,123)	1:72:A:MET:H	1:72:A:MET:HG3	1	0.42
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	8	0.42
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	8	0.42
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	8	0.42
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	15	0.42
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	15	0.42
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	15	0.42
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	14	0.42
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	14	0.42
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	14	0.42
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	12	0.41
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	11	0.41
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	11	0.41
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	11	0.41
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	14	0.41
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	14	0.41
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	14	0.41
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	3	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	10	0.41
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	6	0.41
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	11	0.41
(1,3091)	1:41:A:ARG:HB2	1:41:A:ARG:HE	13	0.41
(1,3091)	1:41:A:ARG:HB3	1:41:A:ARG:HE	13	0.41
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	4	0.41
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	4	0.41
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	4	0.41
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	3	0.41
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	6	0.41
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	7	0.41
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	4	0.41
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	4	0.41
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	5	0.41
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	7	0.41
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	8	0.41
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	11	0.41
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	11	0.41
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	11	0.41
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	9	0.41
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	1	0.41
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	11	0.41
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	19	0.41
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	2	0.41
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	6	0.41
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	1	0.41
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	1	0.41
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	9	0.41
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	9	0.41
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	13	0.41
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	2	0.41
(1,2493)	1:14:A:VAL:HG11	1:81:A:VAL:HB	12	0.41
(1,2493)	1:14:A:VAL:HG12	1:81:A:VAL:HB	12	0.41
(1,2493)	1:14:A:VAL:HG13	1:81:A:VAL:HB	12	0.41
(1,2493)	1:14:A:VAL:HG21	1:81:A:VAL:HB	12	0.41
(1,2493)	1:14:A:VAL:HG22	1:81:A:VAL:HB	12	0.41
(1,2493)	1:14:A:VAL:HG23	1:81:A:VAL:HB	12	0.41
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	15	0.41
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	15	0.41
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	16	0.41
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	16	0.41
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	13	0.41
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	13	0.41
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	12	0.41
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	12	0.41
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	12	0.41
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	10	0.41
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	8	0.41
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	8	0.41
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	8	0.41
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	8	0.41
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	8	0.41
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	8	0.41
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	4	0.41
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	4	0.41
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	4	0.41
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	14	0.41
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	10	0.41
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	10	0.41
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	9	0.41
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	9	0.41
(1,2282)	1:151:A:GLY:HA3	1:154:A:ASP:HB3	12	0.41
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	20	0.41
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	12	0.41
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	9	0.41
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	9	0.41
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	9	0.41
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	9	0.41
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	11	0.41
(1,2164)	1:109:A:VAL:HA	1:166:A:HIS:HE1	20	0.41
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	6	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	3	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	3	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	3	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	3	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	3	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	3	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	7	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	7	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	7	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	7	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	7	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	8	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	8	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	8	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	8	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	8	0.41
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	8	0.41
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	12	0.41
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	12	0.41
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	17	0.41
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	17	0.41
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	17	0.41
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	17	0.41
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	17	0.41
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	17	0.41
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	14	0.41
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	14	0.41
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	10	0.41
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	7	0.41
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	13	0.41
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	13	0.41
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	13	0.41
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	15	0.41
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	18	0.41
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	16	0.41
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	16	0.41
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	16	0.41
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	16	0.41
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	16	0.41
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	16	0.41
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	16	0.41
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	17	0.41
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG11	2	0.41
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG12	2	0.41
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG13	2	0.41
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG21	2	0.41
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG22	2	0.41
(1,1707)	1:104:A:LYS:HA	1:109:A:VAL:HG23	2	0.41
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	19	0.41
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	19	0.41
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	4	0.41
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	4	0.41
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	16	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	8	0.41
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	8	0.41
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	8	0.41
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	8	0.41
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	8	0.41
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	8	0.41
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	17	0.41
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	17	0.41
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	17	0.41
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	17	0.41
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	17	0.41
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	17	0.41
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	1	0.41
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	15	0.41
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	7	0.41
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	7	0.41
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	18	0.41
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	18	0.41
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	4	0.41
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	4	0.41
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	4	0.41
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	13	0.41
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	15	0.41
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	15	0.41
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	15	0.41
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	15	0.41
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	2	0.41
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	1	0.41
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	1	0.41
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	1	0.41
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	1	0.41
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	1	0.41
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	1	0.41
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	5	0.41
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	5	0.41
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	5	0.41
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	5	0.41
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	5	0.41
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	5	0.41
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	7	0.41
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	7	0.41
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	20	0.41
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	16	0.41
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	16	0.41
(1,882)	1:142:A:ILE:HD11	1:144:A:THR:H	5	0.41
(1,882)	1:142:A:ILE:HD12	1:144:A:THR:H	5	0.41
(1,882)	1:142:A:ILE:HD13	1:144:A:THR:H	5	0.41
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	10	0.41
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	10	0.41
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	10	0.41
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	2	0.41
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	11	0.41
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	18	0.41
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	13	0.41
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	6	0.41
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	14	0.41
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	15	0.41
(1,825)	1:120:A:LEU:H	2:201:A:GNP:HN1	17	0.41
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	8	0.41
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	11	0.41
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	10	0.41
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	12	0.41
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	19	0.41
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	5	0.41
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	5	0.41
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	5	0.41
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	3	0.41
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	3	0.41
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	3	0.41
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	9	0.41
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	9	0.41
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	9	0.41
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	13	0.41
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	13	0.41
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	18	0.41
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	18	0.41
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	18	0.41
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	18	0.41
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	18	0.41
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	18	0.41
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	5	0.41
(1,576)	1:165:A:LYS:HB3	1:166:A:HIS:HA	5	0.41
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	5	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	17	0.41
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	17	0.41
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	17	0.41
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	7	0.41
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	7	0.41
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	7	0.41
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	7	0.41
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	7	0.41
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	7	0.41
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	2	0.41
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	2	0.41
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	2	0.41
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG2	5	0.41
(1,116)	1:98:A:GLU:H	1:98:A:GLU:HG3	5	0.41
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	10	0.41
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG21	18	0.41
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG22	18	0.41
(1,29)	1:23:A:LEU:HD11	1:24:A:ILE:HG23	18	0.41
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG21	18	0.41
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG22	18	0.41
(1,29)	1:23:A:LEU:HD12	1:24:A:ILE:HG23	18	0.41
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG21	18	0.41
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG22	18	0.41
(1,29)	1:23:A:LEU:HD13	1:24:A:ILE:HG23	18	0.41
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG21	18	0.41
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG22	18	0.41
(1,29)	1:23:A:LEU:HD21	1:24:A:ILE:HG23	18	0.41
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG21	18	0.41
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG22	18	0.41
(1,29)	1:23:A:LEU:HD22	1:24:A:ILE:HG23	18	0.41
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG21	18	0.41
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG22	18	0.41
(1,29)	1:23:A:LEU:HD23	1:24:A:ILE:HG23	18	0.41
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	6	0.41
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	7	0.41
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	18	0.41
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	18	0.41
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	18	0.41
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	17	0.4
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	11	0.4
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	11	0.4
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	11	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	11	0.4
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	11	0.4
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	11	0.4
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	18	0.4
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	18	0.4
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	18	0.4
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	18	0.4
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	18	0.4
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	18	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	1	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	1	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	1	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	10	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	10	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	10	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	13	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	13	0.4
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	13	0.4
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	17	0.4
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	17	0.4
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	17	0.4
(1,3137)	1:121:A:PRO:HG2	1:122:A:SER:H	14	0.4
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	10	0.4
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	2	0.4
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	2	0.4
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	4	0.4
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	7	0.4
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	12	0.4
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	14	0.4
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	5	0.4
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	17	0.4
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	17	0.4
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	6	0.4
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	6	0.4
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	6	0.4
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	1	0.4
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	1	0.4
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	10	0.4
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	2	0.4
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	2	0.4
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	2	0.4
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	3	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	3	0.4
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	3	0.4
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	3	0.4
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	3	0.4
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	3	0.4
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	14	0.4
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	14	0.4
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	15	0.4
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	11	0.4
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	11	0.4
(1,2445)	1:112:A:VAL:HG11	1:162:A:GLU:H	18	0.4
(1,2445)	1:112:A:VAL:HG12	1:162:A:GLU:H	18	0.4
(1,2445)	1:112:A:VAL:HG13	1:162:A:GLU:H	18	0.4
(1,2445)	1:112:A:VAL:HG21	1:162:A:GLU:H	18	0.4
(1,2445)	1:112:A:VAL:HG22	1:162:A:GLU:H	18	0.4
(1,2445)	1:112:A:VAL:HG23	1:162:A:GLU:H	18	0.4
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	19	0.4
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	19	0.4
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	10	0.4
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	10	0.4
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	10	0.4
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	1	0.4
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	1	0.4
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	1	0.4
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	1	0.4
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	1	0.4
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	1	0.4
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	11	0.4
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	11	0.4
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	11	0.4
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	12	0.4
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	12	0.4
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	18	0.4
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	18	0.4
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	18	0.4
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	18	0.4
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	18	0.4
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	18	0.4
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	18	0.4
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	18	0.4
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	17	0.4
(1,2156)	1:111:A:MET:H	1:140:A:PRO:HD3	7	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	14	0.4
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	14	0.4
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	14	0.4
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	6	0.4
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	6	0.4
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	10	0.4
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	10	0.4
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	10	0.4
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	10	0.4
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	10	0.4
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	10	0.4
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	10	0.4
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	11	0.4
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	13	0.4
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	16	0.4
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	18	0.4
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	18	0.4
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	18	0.4
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	18	0.4
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	18	0.4
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	18	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG11	5	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG12	5	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG13	5	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG21	5	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG22	5	0.4
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG23	5	0.4
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	4	0.4
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	9	0.4
(1,1803)	1:111:A:MET:HG2	1:112:A:VAL:H	13	0.4
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	4	0.4
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	7	0.4
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	6	0.4
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	6	0.4
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	6	0.4
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	6	0.4
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	7	0.4
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	7	0.4
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	7	0.4
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	7	0.4
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	18	0.4
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	18	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	18	0.4
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	18	0.4
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	6	0.4
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	2	0.4
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	2	0.4
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	8	0.4
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	8	0.4
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	8	0.4
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	8	0.4
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	8	0.4
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	8	0.4
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	8	0.4
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	8	0.4
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	8	0.4
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	8	0.4
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	8	0.4
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	8	0.4
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	8	0.4
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	8	0.4
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	8	0.4
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	8	0.4
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	8	0.4
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	8	0.4
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG2	18	0.4
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG3	18	0.4
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	9	0.4
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	3	0.4
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	3	0.4
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	3	0.4
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	3	0.4
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	3	0.4
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	3	0.4
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	2	0.4
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	4	0.4
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	4	0.4
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	4	0.4
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	4	0.4
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	4	0.4
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	4	0.4
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	20	0.4
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	20	0.4
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	20	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	20	0.4
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	20	0.4
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	20	0.4
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	7	0.4
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	7	0.4
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	7	0.4
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	8	0.4
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	8	0.4
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	13	0.4
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	13	0.4
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	2	0.4
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	2	0.4
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	8	0.4
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	6	0.4
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	6	0.4
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	16	0.4
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	13	0.4
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	13	0.4
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	4	0.4
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD11	11	0.4
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD12	11	0.4
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD13	11	0.4
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD21	11	0.4
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD22	11	0.4
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD23	11	0.4
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	12	0.4
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	17	0.4
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	17	0.4
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	12	0.4
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	12	0.4
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	12	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	1	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	1	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	1	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	15	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	15	0.4
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	15	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	1	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	6	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	7	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	9	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	13	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	15	0.4
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	17	0.4
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	7	0.4
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	7	0.4
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	7	0.4
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	14	0.4
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	14	0.4
(1,766)	1:147:A:LYS:HG3	1:147:A:LYS:HE2	10	0.4
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	2	0.4
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	9	0.4
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	11	0.4
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	11	0.4
(1,660)	1:76:A:GLU:H	1:76:A:GLU:HG2	9	0.4
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	1	0.4
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	1	0.4
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	3	0.4
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	5	0.4
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	18	0.4
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	13	0.4
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	20	0.4
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	11	0.4
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	5	0.4
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	5	0.4
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	6	0.4
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	6	0.4
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	6	0.4
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	8	0.4
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	8	0.4
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	8	0.4
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	18	0.4
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	18	0.4
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	18	0.4
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG2	11	0.4
(1,351)	1:62:A:GLU:H	1:62:A:GLU:HG3	11	0.4
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	19	0.4
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	19	0.4
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	19	0.4
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	5	0.4
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	7	0.4
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	17	0.4
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	17	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	17	0.4
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	18	0.4
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	14	0.4
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	14	0.4
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	14	0.4
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	17	0.4
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	17	0.4
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	17	0.4
(1,209)	1:6:A:LEU:HD11	1:54:A:ASP:H	2	0.4
(1,209)	1:6:A:LEU:HD12	1:54:A:ASP:H	2	0.4
(1,209)	1:6:A:LEU:HD13	1:54:A:ASP:H	2	0.4
(1,209)	1:6:A:LEU:HD21	1:54:A:ASP:H	2	0.4
(1,209)	1:6:A:LEU:HD22	1:54:A:ASP:H	2	0.4
(1,209)	1:6:A:LEU:HD23	1:54:A:ASP:H	2	0.4
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	12	0.4
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	12	0.4
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	12	0.4
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	12	0.4
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	12	0.4
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	12	0.4
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	16	0.4
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	17	0.4
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	5	0.4
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	5	0.4
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	5	0.4
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	5	0.4
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	5	0.4
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	5	0.4
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	10	0.4
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	1	0.4
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	1	0.4
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	1	0.4
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	11	0.4
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	3	0.4
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	6	0.4
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	6	0.4
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	6	0.4
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	3	0.39
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	3	0.39
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	3	0.39
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	1	0.39
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	1	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	1	0.39
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	1	0.39
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	1	0.39
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	1	0.39
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	14	0.39
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	14	0.39
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	14	0.39
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	14	0.39
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	14	0.39
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	14	0.39
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	7	0.39
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	7	0.39
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	7	0.39
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	14	0.39
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	14	0.39
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	14	0.39
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	4	0.39
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	12	0.39
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	20	0.39
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	7	0.39
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	7	0.39
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	7	0.39
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	2	0.39
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE1	15	0.39
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE2	15	0.39
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	2	0.39
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	10	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	1	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	3	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	9	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	10	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	11	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	13	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	15	0.39
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	18	0.39
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	13	0.39
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	15	0.39
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	17	0.39
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	18	0.39
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	17	0.39
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	18	0.39
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	16	0.39
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	11	0.39
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	11	0.39
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	5	0.39
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	5	0.39
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	6	0.39
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	20	0.39
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	20	0.39
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	1	0.39
(1,2526)	1:19:A:LEU:HB3	1:152:A:VAL:HA	16	0.39
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	9	0.39
(1,2452)	1:162:A:GLU:HA	1:165:A:LYS:HG2	1	0.39
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	17	0.39
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	17	0.39
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	5	0.39
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	5	0.39
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	5	0.39
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	5	0.39
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	5	0.39
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	5	0.39
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	6	0.39
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	6	0.39
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	6	0.39
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	6	0.39
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	6	0.39
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	6	0.39
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	4	0.39
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	4	0.39
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	7	0.39
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	7	0.39
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	7	0.39
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	2	0.39
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	2	0.39
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	2	0.39
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	9	0.39
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	13	0.39
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	13	0.39
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	13	0.39
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	3	0.39
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	3	0.39
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	20	0.39
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	20	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	20	0.39
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	20	0.39
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	20	0.39
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	20	0.39
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	3	0.39
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	3	0.39
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	3	0.39
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG21	2	0.39
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG22	2	0.39
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG23	2	0.39
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	5	0.39
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	5	0.39
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	5	0.39
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	5	0.39
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	5	0.39
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	5	0.39
(1,1751)	1:141:A:PHE:HZ	1:143:A:GLU:HG2	15	0.39
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	6	0.39
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	12	0.39
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	12	0.39
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	12	0.39
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	10	0.39
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	19	0.39
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	19	0.39
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	8	0.39
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	8	0.39
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	8	0.39
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	8	0.39
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	8	0.39
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	8	0.39
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	9	0.39
(1,1516)	1:127:A:THR:HA	1:129:A:GLN:H	12	0.39
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	5	0.39
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	5	0.39
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	16	0.39
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	16	0.39
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	16	0.39
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	16	0.39
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	7	0.39
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	7	0.39
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	7	0.39
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	7	0.39
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	7	0.39
(1,1040)	1:55:A:ILE:HD11	1:156:A:PHE:HB2	18	0.39
(1,1040)	1:55:A:ILE:HD12	1:156:A:PHE:HB2	18	0.39
(1,1040)	1:55:A:ILE:HD13	1:156:A:PHE:HB2	18	0.39
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	4	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD11	5	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD12	5	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD13	5	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD21	5	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD22	5	0.39
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD23	5	0.39
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	17	0.39
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	17	0.39
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	17	0.39
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	17	0.39
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	17	0.39
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	17	0.39
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	20	0.39
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	14	0.39
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	14	0.39
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	13	0.39
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	13	0.39
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	14	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	3	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	3	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	3	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	7	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	7	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	7	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	11	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	11	0.39
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	11	0.39
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	8	0.39
(1,832)	1:147:A:LYS:HB2	2:201:A:GNP:HN1	14	0.39
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	4	0.39
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	5	0.39
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	17	0.39
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	17	0.39
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	2	0.39
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	2	0.39
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	2	0.39
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	2	0.39
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	2	0.39
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	2	0.39
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	2	0.39
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	2	0.39
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	2	0.39
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	2	0.39
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	2	0.39
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	4	0.39
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	16	0.39
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	6	0.39
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	6	0.39
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	6	0.39
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	18	0.39
(1,456)	1:21:A:ILE:HG21	1:27:A:HIS:HB3	18	0.39
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	18	0.39
(1,456)	1:21:A:ILE:HG22	1:27:A:HIS:HB3	18	0.39
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	18	0.39
(1,456)	1:21:A:ILE:HG23	1:27:A:HIS:HB3	18	0.39
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	7	0.39
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	5	0.39
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	5	0.39
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	5	0.39
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	6	0.39
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	6	0.39
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	6	0.39
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	6	0.39
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	6	0.39
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	6	0.39
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	12	0.39
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	12	0.39
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	12	0.39
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	4	0.39
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	4	0.39
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	4	0.39
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	4	0.39
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	4	0.39
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	4	0.39
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	11	0.39
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	11	0.39
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	11	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	11	0.39
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	18	0.39
(1,123)	1:72:A:MET:H	1:72:A:MET:HG2	3	0.39
(1,123)	1:72:A:MET:H	1:72:A:MET:HG3	3	0.39
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	19	0.39
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	19	0.39
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	19	0.39
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	19	0.39
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	19	0.39
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	19	0.39
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	2	0.39
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	10	0.39
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	10	0.39
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	18	0.39
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	11	0.39
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	11	0.39
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	11	0.39
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD11	20	0.39
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD12	20	0.39
(1,8)	1:93:A:ILE:HA	1:93:A:ILE:HD13	20	0.39
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	10	0.39
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	10	0.39
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	10	0.39
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	1	0.38
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	1	0.38
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	1	0.38
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	18	0.38
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	18	0.38
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	5	0.38
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	5	0.38
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	5	0.38
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG2	5	0.38
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG3	5	0.38
(1,3242)	1:3:A:GLU:HG2	1:4:A:TYR:HA	12	0.38
(1,3242)	1:3:A:GLU:HG3	1:4:A:TYR:HA	12	0.38
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	9	0.38
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	9	0.38
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG21	6	0.38
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG22	6	0.38
(1,3207)	1:2:A:THR:H	1:2:A:THR:HG23	6	0.38
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	1	0.38
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	12	0.38
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	12	0.38
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	12	0.38
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	18	0.38
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	13	0.38
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	16	0.38
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	4	0.38
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	5	0.38
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	2	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	5	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	6	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	8	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	14	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	16	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	17	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	19	0.38
(1,3033)	1:129:A:GLN:H	1:129:A:GLN:HB2	20	0.38
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	11	0.38
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	5	0.38
(1,2899)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	12	0.38
(1,2899)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	12	0.38
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	6	0.38
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	6	0.38
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	6	0.38
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	6	0.38
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	6	0.38
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	6	0.38
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	6	0.38
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	15	0.38
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	9	0.38
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	9	0.38
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	7	0.38
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	7	0.38
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	9	0.38
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	4	0.38
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	4	0.38
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	18	0.38
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	18	0.38
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	6	0.38
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	2	0.38
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	12	0.38
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	12	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	13	0.38
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	13	0.38
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	20	0.38
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	14	0.38
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	14	0.38
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	13	0.38
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	13	0.38
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	4	0.38
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	4	0.38
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	6	0.38
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	6	0.38
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	19	0.38
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	19	0.38
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	16	0.38
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	16	0.38
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	16	0.38
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	6	0.38
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	11	0.38
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	11	0.38
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	11	0.38
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	8	0.38
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	8	0.38
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	8	0.38
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	8	0.38
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	8	0.38
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	8	0.38
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	19	0.38
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	11	0.38
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	1	0.38
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	1	0.38
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	1	0.38
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	15	0.38
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	15	0.38
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	3	0.38
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	3	0.38
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	19	0.38
(1,1584)	1:93:A:ILE:HG21	1:137:A:TYR:HD1	15	0.38
(1,1584)	1:93:A:ILE:HG21	1:137:A:TYR:HD2	15	0.38
(1,1584)	1:93:A:ILE:HG22	1:137:A:TYR:HD1	15	0.38
(1,1584)	1:93:A:ILE:HG22	1:137:A:TYR:HD2	15	0.38
(1,1584)	1:93:A:ILE:HG23	1:137:A:TYR:HD1	15	0.38
(1,1584)	1:93:A:ILE:HG23	1:137:A:TYR:HD2	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE1	9	0.38
(1,1546)	1:137:A:TYR:H	1:137:A:TYR:HE2	9	0.38
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	18	0.38
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	18	0.38
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	18	0.38
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	18	0.38
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	18	0.38
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	18	0.38
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	6	0.38
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	6	0.38
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	6	0.38
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	6	0.38
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	6	0.38
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	6	0.38
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE1	16	0.38
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE2	16	0.38
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	1	0.38
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	1	0.38
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	1	0.38
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	14	0.38
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	14	0.38
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	14	0.38
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	4	0.38
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	17	0.38
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	6	0.38
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	6	0.38
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	17	0.38
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	17	0.38
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	16	0.38
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	19	0.38
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	19	0.38
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	4	0.38
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	2	0.38
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	2	0.38
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	2	0.38
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	2	0.38
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	2	0.38
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	2	0.38
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	2	0.38
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	2	0.38
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	2	0.38
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	2	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	2	0.38
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	2	0.38
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	13	0.38
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	13	0.38
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	13	0.38
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	4	0.38
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	10	0.38
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	10	0.38
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	8	0.38
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	7	0.38
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	7	0.38
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	7	0.38
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	10	0.38
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	19	0.38
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	19	0.38
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	19	0.38
(1,991)	1:83:A:ALA:HB1	1:85:A:ASN:HD21	4	0.38
(1,991)	1:83:A:ALA:HB2	1:85:A:ASN:HD21	4	0.38
(1,991)	1:83:A:ALA:HB3	1:85:A:ASN:HD21	4	0.38
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	1	0.38
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	1	0.38
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	1	0.38
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	5	0.38
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	5	0.38
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	5	0.38
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	3	0.38
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	4	0.38
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	5	0.38
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	16	0.38
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	9	0.38
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	10	0.38
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG2	9	0.38
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG3	9	0.38
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	14	0.38
(1,698)	1:86:A:ASN:HB2	1:89:A:SER:H	12	0.38
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	12	0.38
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE1	13	0.38
(1,646)	1:36:A:ILE:HD11	1:40:A:TYR:HE2	13	0.38
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE1	13	0.38
(1,646)	1:36:A:ILE:HD12	1:40:A:TYR:HE2	13	0.38
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE1	13	0.38
(1,646)	1:36:A:ILE:HD13	1:40:A:TYR:HE2	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	6	0.38
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	6	0.38
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	4	0.38
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	4	0.38
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	7	0.38
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	7	0.38
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	1	0.38
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	7	0.38
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	11	0.38
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	10	0.38
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	10	0.38
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	10	0.38
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	11	0.38
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	11	0.38
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	11	0.38
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	10	0.38
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	18	0.38
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	18	0.38
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	15	0.38
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	15	0.38
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	15	0.38
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	4	0.38
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	4	0.38
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	4	0.38
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	4	0.38
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	4	0.38
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	4	0.38
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	20	0.38
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	9	0.38
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	9	0.38
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	9	0.38
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	4	0.38
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	4	0.38
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	4	0.38
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	16	0.38
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	4	0.38
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	9	0.37
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	9	0.37
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	8	0.37
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	8	0.37
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	8	0.37
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	15	0.37
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	18	0.37
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	8	0.37
(1,3062)	1:9:A:VAL:HB	1:81:A:VAL:H	17	0.37
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	15	0.37
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	1	0.37
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	8	0.37
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	8	0.37
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	5	0.37
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	5	0.37
(1,2768)	1:145:A:SER:H	1:150:A:GLN:HG3	7	0.37
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	14	0.37
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	14	0.37
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	14	0.37
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	11	0.37
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	11	0.37
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	11	0.37
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	17	0.37
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	17	0.37
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	17	0.37
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	15	0.37
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	15	0.37
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	13	0.37
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	13	0.37
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	13	0.37
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	13	0.37
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	13	0.37
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	13	0.37
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	13	0.37
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	13	0.37
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	13	0.37
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	13	0.37
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	13	0.37
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	13	0.37
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	15	0.37
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	15	0.37
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	15	0.37
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	15	0.37
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	15	0.37
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	15	0.37
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	15	0.37
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	15	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	15	0.37
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	15	0.37
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	15	0.37
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	15	0.37
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	18	0.37
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	18	0.37
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	6	0.37
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	10	0.37
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	11	0.37
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	14	0.37
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	17	0.37
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	19	0.37
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	4	0.37
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	4	0.37
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	15	0.37
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	15	0.37
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	5	0.37
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	5	0.37
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	7	0.37
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	7	0.37
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	11	0.37
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	11	0.37
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	11	0.37
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	11	0.37
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	11	0.37
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	11	0.37
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	6	0.37
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	6	0.37
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	12	0.37
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	12	0.37
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	12	0.37
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	12	0.37
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	12	0.37
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	12	0.37
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	12	0.37
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	12	0.37
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	3	0.37
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	3	0.37
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	3	0.37
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	15	0.37
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	9	0.37
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	15	0.37
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	8	0.37
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	8	0.37
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	20	0.37
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	11	0.37
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	11	0.37
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	11	0.37
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	11	0.37
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	11	0.37
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	11	0.37
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	11	0.37
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	11	0.37
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	11	0.37
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	11	0.37
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	11	0.37
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	11	0.37
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	11	0.37
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	11	0.37
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	5	0.37
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	5	0.37
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	5	0.37
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	5	0.37
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	5	0.37
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	5	0.37
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	9	0.37
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	9	0.37
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	9	0.37
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	9	0.37
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	9	0.37
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	9	0.37
(1,1906)	1:118:A:SER:HB2	1:143:A:GLU:HB3	2	0.37
(1,1906)	1:118:A:SER:HB3	1:143:A:GLU:HB3	2	0.37
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	6	0.37
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	6	0.37
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	6	0.37
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	6	0.37
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	6	0.37
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	6	0.37
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	6	0.37
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	6	0.37
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	6	0.37
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	6	0.37
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	6	0.37
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	19	0.37
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	12	0.37
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	12	0.37
(1,1758)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	12	0.37
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	2	0.37
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	3	0.37
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	4	0.37
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	4	0.37
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	4	0.37
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	4	0.37
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	4	0.37
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	4	0.37
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	4	0.37
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	4	0.37
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	17	0.37
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	17	0.37
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	17	0.37
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	17	0.37
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	17	0.37
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	17	0.37
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	15	0.37
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	15	0.37
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	11	0.37
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	11	0.37
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	11	0.37
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	11	0.37
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	11	0.37
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	11	0.37
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG21	4	0.37
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG22	4	0.37
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG23	4	0.37
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG21	4	0.37
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG22	4	0.37
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG23	4	0.37
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG21	4	0.37
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG22	4	0.37
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG23	4	0.37
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG11	10	0.37
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG12	10	0.37
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG13	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG21	10	0.37
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG22	10	0.37
(1,1522)	1:87:A:THR:HG21	1:125:A:VAL:HG23	10	0.37
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG11	10	0.37
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG12	10	0.37
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG13	10	0.37
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG21	10	0.37
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG22	10	0.37
(1,1522)	1:87:A:THR:HG22	1:125:A:VAL:HG23	10	0.37
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG11	10	0.37
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG12	10	0.37
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG13	10	0.37
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG21	10	0.37
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG22	10	0.37
(1,1522)	1:87:A:THR:HG23	1:125:A:VAL:HG23	10	0.37
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	15	0.37
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE1	8	0.37
(1,1504)	1:97:A:ARG:HD2	1:137:A:TYR:HE2	8	0.37
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE1	13	0.37
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE2	13	0.37
(1,1402)	1:85:A:ASN:HB2	1:124:A:THR:H	14	0.37
(1,1402)	1:85:A:ASN:HB3	1:124:A:THR:H	14	0.37
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	18	0.37
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	17	0.37
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	17	0.37
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	17	0.37
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	12	0.37
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	12	0.37
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	12	0.37
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	12	0.37
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	12	0.37
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	12	0.37
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	8	0.37
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	3	0.37
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	3	0.37
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	10	0.37
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	16	0.37
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	17	0.37
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	16	0.37
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	6	0.37
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	6	0.37
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	6	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	6	0.37
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	6	0.37
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	6	0.37
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	6	0.37
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	6	0.37
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	6	0.37
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	6	0.37
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	6	0.37
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	6	0.37
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	6	0.37
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	6	0.37
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	6	0.37
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	6	0.37
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	6	0.37
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	6	0.37
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	3	0.37
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	15	0.37
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	15	0.37
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	15	0.37
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	15	0.37
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	15	0.37
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	15	0.37
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	12	0.37
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	12	0.37
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	12	0.37
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	12	0.37
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	12	0.37
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	12	0.37
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	2	0.37
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	2	0.37
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	2	0.37
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	1	0.37
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	13	0.37
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	13	0.37
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	13	0.37
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	5	0.37
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	8	0.37
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	16	0.37
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD1	16	0.37
(1,938)	1:97:A:ARG:HB2	1:137:A:TYR:HD2	16	0.37
(1,913)	1:23:A:LEU:HG	1:42:A:LYS:HD3	4	0.37
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	18	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	18	0.37
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	13	0.37
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	13	0.37
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	13	0.37
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	14	0.37
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	14	0.37
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	14	0.37
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	18	0.37
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	18	0.37
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	18	0.37
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	3	0.37
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	8	0.37
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	8	0.37
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	16	0.37
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	19	0.37
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	16	0.37
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	16	0.37
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	1	0.37
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	13	0.37
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	17	0.37
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG2	3	0.37
(1,735)	1:37:A:GLU:HA	1:37:A:GLU:HG3	3	0.37
(1,701)	1:36:A:ILE:HA	1:37:A:GLU:H	17	0.37
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	10	0.37
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	11	0.37
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	11	0.37
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	11	0.37
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	9	0.37
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	9	0.37
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	10	0.37
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	10	0.37
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	16	0.37
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	16	0.37
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	16	0.37
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	13	0.37
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	13	0.37
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	13	0.37
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	13	0.37
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	13	0.37
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	13	0.37
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB2	3	0.37
(1,533)	1:66:A:ALA:HA	1:69:A:ASP:HB3	3	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	5	0.37
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	4	0.37
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	4	0.37
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	7	0.37
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	7	0.37
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	7	0.37
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	14	0.37
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	14	0.37
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	14	0.37
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	15	0.37
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	15	0.37
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	16	0.37
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	2	0.37
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	2	0.37
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	14	0.37
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	14	0.37
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	14	0.37
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	14	0.37
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	14	0.37
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	14	0.37
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	12	0.37
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	16	0.37
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	17	0.37
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	4	0.37
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	4	0.37
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	4	0.37
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	10	0.37
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	10	0.37
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	10	0.37
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	7	0.37
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	16	0.37
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	16	0.37
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	16	0.37
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	16	0.37
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	16	0.37
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	16	0.37
(1,179)	1:19:A:LEU:HD11	1:81:A:VAL:HA	7	0.37
(1,179)	1:19:A:LEU:HD12	1:81:A:VAL:HA	7	0.37
(1,179)	1:19:A:LEU:HD13	1:81:A:VAL:HA	7	0.37
(1,179)	1:19:A:LEU:HD21	1:81:A:VAL:HA	7	0.37
(1,179)	1:19:A:LEU:HD22	1:81:A:VAL:HA	7	0.37
(1,179)	1:19:A:LEU:HD23	1:81:A:VAL:HA	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	7	0.37
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	11	0.37
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	11	0.37
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	11	0.37
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	11	0.37
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	11	0.37
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	11	0.37
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	13	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	3	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	3	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	3	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	7	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	7	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	7	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	9	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	9	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	9	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	15	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	15	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	15	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	16	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	16	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	16	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	17	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	17	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	17	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	18	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	18	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	18	0.37
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	19	0.37
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	19	0.37
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	19	0.37
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	11	0.37
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	5	0.36
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	5	0.36
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	11	0.36
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	13	0.36
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	13	0.36
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	13	0.36
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	13	0.36
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	13	0.36
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	15	0.36
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	10	0.36
(1,3116)	1:85:A:ASN:HB2	1:124:A:THR:H	13	0.36
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	11	0.36
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	13	0.36
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	13	0.36
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	9	0.36
(1,3011)	1:129:A:GLN:HB2	1:130:A:ALA:H	4	0.36
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	9	0.36
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	12	0.36
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	1	0.36
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	1	0.36
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	8	0.36
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	8	0.36
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	12	0.36
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	12	0.36
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	17	0.36
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	17	0.36
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	17	0.36
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	6	0.36
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	6	0.36
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	6	0.36
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	6	0.36
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	6	0.36
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	6	0.36
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	12	0.36
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	12	0.36
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	12	0.36
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	12	0.36
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	12	0.36
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	12	0.36
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	4	0.36
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	4	0.36
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	6	0.36
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	2	0.36
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	2	0.36
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	2	0.36
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	2	0.36
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	2	0.36
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	2	0.36
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	10	0.36
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	20	0.36
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	20	0.36
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	20	0.36
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	20	0.36
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	20	0.36
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	20	0.36
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	20	0.36
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	20	0.36
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	20	0.36
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	20	0.36
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	20	0.36
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	20	0.36
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	13	0.36
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	19	0.36
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	9	0.36
(1,2557)	1:75:A:GLY:H	1:76:A:GLU:HG2	20	0.36
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	12	0.36
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	18	0.36
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	20	0.36
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	19	0.36
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	19	0.36
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	20	0.36
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	20	0.36
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	20	0.36
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	7	0.36
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	2	0.36
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	4	0.36
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	4	0.36
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	9	0.36
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	9	0.36
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	9	0.36
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	13	0.36
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	13	0.36
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	13	0.36
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	11	0.36
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	11	0.36
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	18	0.36
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	18	0.36
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	18	0.36
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	1	0.36
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	3	0.36
(1,2216)	1:147:A:LYS:HG2	1:147:A:LYS:HE3	13	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	8	0.36
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	14	0.36
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	14	0.36
(1,2164)	1:109:A:VAL:HA	1:166:A:HIS:HE1	9	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	5	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	5	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	5	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	5	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	5	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	5	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	12	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	12	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	12	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	12	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	12	0.36
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	12	0.36
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE1	6	0.36
(1,2088)	1:53:A:LEU:HD11	1:157:A:TYR:HE2	6	0.36
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE1	6	0.36
(1,2088)	1:53:A:LEU:HD12	1:157:A:TYR:HE2	6	0.36
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE1	6	0.36
(1,2088)	1:53:A:LEU:HD13	1:157:A:TYR:HE2	6	0.36
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE1	6	0.36
(1,2088)	1:53:A:LEU:HD21	1:157:A:TYR:HE2	6	0.36
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE1	6	0.36
(1,2088)	1:53:A:LEU:HD22	1:157:A:TYR:HE2	6	0.36
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE1	6	0.36
(1,2088)	1:53:A:LEU:HD23	1:157:A:TYR:HE2	6	0.36
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	4	0.36
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	4	0.36
(1,1999)	1:132:A:ASP:HA	1:135:A:ARG:HE	6	0.36
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	10	0.36
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	10	0.36
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	10	0.36
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	7	0.36
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	7	0.36
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	7	0.36
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	7	0.36
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	10	0.36
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	16	0.36
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	16	0.36
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	16	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	16	0.36
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	16	0.36
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	16	0.36
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	18	0.36
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	18	0.36
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	18	0.36
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	18	0.36
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	18	0.36
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	18	0.36
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	4	0.36
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	13	0.36
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	13	0.36
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	8	0.36
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	17	0.36
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	18	0.36
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	18	0.36
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	10	0.36
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	10	0.36
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	10	0.36
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	10	0.36
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	10	0.36
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	10	0.36
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	10	0.36
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	10	0.36
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	10	0.36
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	10	0.36
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	16	0.36
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	16	0.36
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	16	0.36
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	16	0.36
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	16	0.36
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	16	0.36
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	18	0.36
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	18	0.36
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	18	0.36
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	19	0.36
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	19	0.36
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	19	0.36
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	19	0.36
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	19	0.36
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	19	0.36
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	19	0.36
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	19	0.36
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	19	0.36
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	19	0.36
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	19	0.36
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	19	0.36
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	19	0.36
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	19	0.36
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	19	0.36
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	19	0.36
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	19	0.36
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	14	0.36
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	14	0.36
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	4	0.36
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	4	0.36
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	3	0.36
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	10	0.36
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	12	0.36
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	16	0.36
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	16	0.36
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	16	0.36
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	16	0.36
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	16	0.36
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	16	0.36
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	16	0.36
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	16	0.36
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	16	0.36
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	16	0.36
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	16	0.36
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	16	0.36
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	16	0.36
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	16	0.36
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	16	0.36
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	16	0.36
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	16	0.36
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	16	0.36
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	5	0.36
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	5	0.36
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	5	0.36
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	5	0.36
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	5	0.36
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	5	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	13	0.36
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	13	0.36
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	13	0.36
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	13	0.36
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	13	0.36
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	13	0.36
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	11	0.36
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	11	0.36
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	11	0.36
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	11	0.36
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	11	0.36
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	11	0.36
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	11	0.36
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	11	0.36
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	11	0.36
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	11	0.36
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	11	0.36
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	11	0.36
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	6	0.36
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	11	0.36
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	8	0.36
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	18	0.36
(1,1001)	1:164:A:ARG:H	1:164:A:ARG:HE	6	0.36
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	7	0.36
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	7	0.36
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	7	0.36
(1,967)	1:43:A:GLN:HE22	1:50:A:THR:HA	11	0.36
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	6	0.36
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	6	0.36
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	6	0.36
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	6	0.36
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	6	0.36
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	6	0.36
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	4	0.36
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	4	0.36
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	6	0.36
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	6	0.36
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	6	0.36
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	19	0.36
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	19	0.36
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	19	0.36
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	4	0.36
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	2	0.36
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	10	0.36
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	7	0.36
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	16	0.36
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	1	0.36
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	6	0.36
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG21	16	0.36
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG22	16	0.36
(1,733)	1:35:A:SER:HA	1:36:A:ILE:HG23	16	0.36
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	11	0.36
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	11	0.36
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	11	0.36
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	13	0.36
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	13	0.36
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	1	0.36
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	1	0.36
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	8	0.36
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	8	0.36
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	10	0.36
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	10	0.36
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	5	0.36
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	8	0.36
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	8	0.36
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	16	0.36
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	16	0.36
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	4	0.36
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	4	0.36
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	2	0.36
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	2	0.36
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	6	0.36
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	2	0.36
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	2	0.36
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	2	0.36
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	2	0.36
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	2	0.36
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	2	0.36
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	20	0.36
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	19	0.36
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	19	0.36
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	10	0.36
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	10	0.36
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	1	0.36
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	1	0.36
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	1	0.36
(1,149)	1:28:A:PHE:HE1	2:201:A:GNP:H8	16	0.36
(1,149)	1:28:A:PHE:HE2	2:201:A:GNP:H8	16	0.36
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	9	0.36
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	9	0.36
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	9	0.36
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	9	0.36
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	9	0.36
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	9	0.36
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	4	0.36
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	4	0.36
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	4	0.36
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	1	0.36
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	1	0.36
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	1	0.36
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	2	0.36
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	2	0.36
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	2	0.36
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	18	0.36
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	16	0.36
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	16	0.36
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	16	0.36
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	20	0.35
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	3	0.35
(1,3279)	1:45:A:VAL:HG21	1:49:A:GLU:H	4	0.35
(1,3279)	1:45:A:VAL:HG22	1:49:A:GLU:H	4	0.35
(1,3279)	1:45:A:VAL:HG23	1:49:A:GLU:H	4	0.35
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	3	0.35
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	3	0.35
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	3	0.35
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	3	0.35
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	3	0.35
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	3	0.35
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	10	0.35
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	10	0.35
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	10	0.35
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG21	12	0.35
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG22	12	0.35
(1,3177)	1:119:A:ASP:H	1:148:A:THR:HG23	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	9	0.35
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	18	0.35
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	1	0.35
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	17	0.35
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	3	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	3	0.35
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	4	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	4	0.35
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	5	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	5	0.35
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	9	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	9	0.35
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	13	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	13	0.35
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	17	0.35
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	17	0.35
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	17	0.35
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB1	12	0.35
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB2	12	0.35
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB3	12	0.35
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	10	0.35
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	20	0.35
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	20	0.35
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	20	0.35
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	13	0.35
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	6	0.35
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	6	0.35
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	20	0.35
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	2	0.35
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	10	0.35
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	10	0.35
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	10	0.35
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	5	0.35
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	3	0.35
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	4	0.35
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	6	0.35
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	7	0.35
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	8	0.35
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	15	0.35
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	3	0.35
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	9	0.35
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	9	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	9	0.35
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	9	0.35
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	9	0.35
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	9	0.35
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	3	0.35
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	3	0.35
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	8	0.35
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD2	16	0.35
(1,2438)	1:164:A:ARG:HA	1:164:A:ARG:HD3	16	0.35
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	15	0.35
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	15	0.35
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	3	0.35
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	3	0.35
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	3	0.35
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	11	0.35
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	11	0.35
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	11	0.35
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	13	0.35
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	13	0.35
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	13	0.35
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	10	0.35
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	9	0.35
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	19	0.35
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	20	0.35
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	20	0.35
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	20	0.35
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	14	0.35
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	14	0.35
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	14	0.35
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	5	0.35
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	5	0.35
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	5	0.35
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	14	0.35
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	10	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	5	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	5	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	5	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	16	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	16	0.35
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	16	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	16	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	16	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	16	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	16	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	16	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	16	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	17	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	17	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	17	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	17	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	17	0.35
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	17	0.35
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD2	18	0.35
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD3	18	0.35
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	11	0.35
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	11	0.35
(1,1870)	1:81:A:VAL:HA	1:114:A:VAL:HB	18	0.35
(1,1849)	1:77:A:GLY:HA2	1:111:A:MET:HA	10	0.35
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	17	0.35
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	2	0.35
(1,1800)	1:111:A:MET:HB3	1:112:A:VAL:HA	20	0.35
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	3	0.35
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	4	0.35
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	4	0.35
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	4	0.35
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	5	0.35
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	5	0.35
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	9	0.35
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	9	0.35
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	9	0.35
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	9	0.35
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	9	0.35
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	4	0.35
(1,1411)	1:5:A:LYS:HB2	1:76:A:GLU:HG3	7	0.35
(1,1411)	1:5:A:LYS:HB3	1:76:A:GLU:HG3	7	0.35
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	12	0.35
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	12	0.35
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	12	0.35
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	9	0.35
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	9	0.35
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG11	20	0.35
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG12	20	0.35
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG13	20	0.35
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG11	20	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG12	20	0.35
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG13	20	0.35
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG11	20	0.35
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG12	20	0.35
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG13	20	0.35
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	3	0.35
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	3	0.35
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	4	0.35
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	4	0.35
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	9	0.35
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	12	0.35
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	17	0.35
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	4	0.35
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	4	0.35
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	4	0.35
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	4	0.35
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	4	0.35
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	4	0.35
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	4	0.35
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	4	0.35
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	4	0.35
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	5	0.35
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	5	0.35
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	9	0.35
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	9	0.35
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD1	10	0.35
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD2	10	0.35
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	5	0.35
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	5	0.35
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	5	0.35
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	2	0.35
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	7	0.35
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	8	0.35
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	7	0.35
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	7	0.35
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	7	0.35
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	7	0.35
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	13	0.35
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	13	0.35
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	13	0.35
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	1	0.35
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	11	0.35
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	15	0.35
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	14	0.35
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	14	0.35
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	4	0.35
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	14	0.35
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	14	0.35
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	20	0.35
(1,545)	1:119:A:ASP:HB2	1:145:A:SER:HB2	18	0.35
(1,545)	1:119:A:ASP:HB2	1:145:A:SER:HB3	18	0.35
(1,545)	1:119:A:ASP:HB3	1:145:A:SER:HB2	18	0.35
(1,545)	1:119:A:ASP:HB3	1:145:A:SER:HB3	18	0.35
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	11	0.35
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	12	0.35
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	9	0.35
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	9	0.35
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	9	0.35
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	10	0.35
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	10	0.35
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	10	0.35
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	12	0.35
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	3	0.35
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	3	0.35
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	8	0.35
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	8	0.35
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	10	0.35
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	16	0.35
(1,115)	1:95:A:HIS:HA	1:98:A:GLU:H	10	0.35
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	4	0.35
(1,73)	1:102:A:ARG:H	1:104:A:LYS:H	8	0.35
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	13	0.35
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	13	0.35
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	13	0.35
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	11	0.34
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	5	0.34
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	5	0.34
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	5	0.34
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	5	0.34
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	19	0.34
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	19	0.34
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	4	0.34
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	15	0.34
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	15	0.34
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	15	0.34
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	16	0.34
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	16	0.34
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	16	0.34
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	16	0.34
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	16	0.34
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	16	0.34
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	14	0.34
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	12	0.34
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	12	0.34
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	12	0.34
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	12	0.34
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	12	0.34
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	12	0.34
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	12	0.34
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	12	0.34
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	12	0.34
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	9	0.34
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	9	0.34
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	9	0.34
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	9	0.34
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	9	0.34
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	9	0.34
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	9	0.34
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	9	0.34
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	9	0.34
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	9	0.34
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	9	0.34
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	9	0.34
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	12	0.34
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	12	0.34
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	12	0.34
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	12	0.34
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	12	0.34
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	12	0.34
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	12	0.34
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	12	0.34
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	12	0.34
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	12	0.34
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	12	0.34
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	12	0.34
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	12	0.34
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	16	0.34
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	10	0.34
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	10	0.34
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	18	0.34
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	18	0.34
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	6	0.34
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	6	0.34
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	2	0.34
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	2	0.34
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	2	0.34
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	2	0.34
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	2	0.34
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	2	0.34
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	2	0.34
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	2	0.34
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	3	0.34
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	3	0.34
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB2	20	0.34
(1,2287)	1:151:A:GLY:HA2	1:153:A:ASP:HB3	20	0.34
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	6	0.34
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	6	0.34
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	6	0.34
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	6	0.34
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	6	0.34
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	6	0.34
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	6	0.34
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	6	0.34
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	6	0.34
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	6	0.34
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	6	0.34
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	6	0.34
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	17	0.34
(1,2193)	1:143:A:GLU:HG3	1:144:A:THR:H	20	0.34
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	1	0.34
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	15	0.34
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	11	0.34
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	1	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	2	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	2	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	2	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	2	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	2	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	4	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	4	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	4	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	4	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	4	0.34
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	4	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	12	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	12	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	12	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	18	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	18	0.34
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	18	0.34
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	13	0.34
(1,1747)	1:141:A:PHE:HZ	1:143:A:GLU:HG3	17	0.34
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	16	0.34
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	16	0.34
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	16	0.34
(1,1727)	1:78:A:PHE:HE1	1:104:A:LYS:HE3	8	0.34
(1,1727)	1:78:A:PHE:HE2	1:104:A:LYS:HE3	8	0.34
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	4	0.34
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	4	0.34
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	4	0.34
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	4	0.34
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	4	0.34
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	4	0.34
(1,1700)	1:100:A:ILE:HG21	1:103:A:VAL:HB	18	0.34
(1,1700)	1:100:A:ILE:HG22	1:103:A:VAL:HB	18	0.34
(1,1700)	1:100:A:ILE:HG23	1:103:A:VAL:HB	18	0.34
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	17	0.34
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	17	0.34
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE2	13	0.34
(1,1675)	1:165:A:LYS:HA	1:165:A:LYS:HE3	13	0.34
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	9	0.34
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	15	0.34
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	1	0.34
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	1	0.34
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	14	0.34
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	14	0.34
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	14	0.34
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	14	0.34
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	14	0.34
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	14	0.34
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	14	0.34
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	8	0.34
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	8	0.34
(1,1411)	1:5:A:LYS:HB2	1:76:A:GLU:HG3	3	0.34
(1,1411)	1:5:A:LYS:HB3	1:76:A:GLU:HG3	3	0.34
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	1	0.34
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	11	0.34
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	13	0.34
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	13	0.34
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	13	0.34
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	13	0.34
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	13	0.34
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	13	0.34
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	4	0.34
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	4	0.34
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	4	0.34
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	15	0.34
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	15	0.34
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	20	0.34
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	20	0.34
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	20	0.34
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	20	0.34
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	20	0.34
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	20	0.34
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	20	0.34
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	20	0.34
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	20	0.34
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	20	0.34
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	20	0.34
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	20	0.34
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	20	0.34
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	20	0.34
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	20	0.34
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	20	0.34
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	20	0.34
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	20	0.34
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	14	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:95:A:HIS:HB3	1:95:A:HIS:HD2	1	0.34
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	15	0.34
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	15	0.34
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	8	0.34
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	8	0.34
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	8	0.34
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	8	0.34
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	19	0.34
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	11	0.34
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	14	0.34
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	2	0.34
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	4	0.34
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	4	0.34
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	18	0.34
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	18	0.34
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	18	0.34
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	2	0.34
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	19	0.34
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	16	0.34
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	16	0.34
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	16	0.34
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD1	10	0.34
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD2	10	0.34
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	6	0.34
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	15	0.34
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	4	0.34
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	5	0.34
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	8	0.34
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	17	0.34
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	14	0.34
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	17	0.34
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	2	0.34
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	2	0.34
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	2	0.34
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	18	0.34
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	18	0.34
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	2	0.34
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	2	0.34
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	3	0.34
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	3	0.34
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	2	0.34
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	17	0.34
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	2	0.34
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	2	0.34
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	2	0.34
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	3	0.34
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	3	0.34
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	3	0.34
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	4	0.34
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	4	0.34
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	4	0.34
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	19	0.34
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	19	0.34
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	19	0.34
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	13	0.34
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	13	0.34
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	10	0.34
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	10	0.34
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	10	0.34
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	11	0.34
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	15	0.34
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	8	0.34
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	8	0.34
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	2	0.34
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	2	0.34
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	2	0.34
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	6	0.34
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	6	0.34
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	6	0.34
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	20	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	14	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	14	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	14	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	16	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	16	0.34
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	16	0.34
(1,119)	1:97:A:ARG:HG2	1:98:A:GLU:H	18	0.34
(1,119)	1:97:A:ARG:HG3	1:98:A:GLU:H	18	0.34
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	6	0.34
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	6	0.34
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	6	0.34
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	6	0.34
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	6	0.34
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	4	0.34
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	3	0.34
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	3	0.34
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	6	0.34
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	6	0.34
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	6	0.34
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	2	0.34
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	2	0.34
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	2	0.34
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	2	0.34
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	2	0.34
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	2	0.34
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	10	0.34
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	20	0.34
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	20	0.34
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	20	0.34
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	20	0.34
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	20	0.34
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	20	0.34
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	5	0.34
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	5	0.34
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	5	0.34
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	15	0.34
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	15	0.34
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	15	0.34
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	14	0.33
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	6	0.33
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	8	0.33
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	8	0.33
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	18	0.33
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	11	0.33
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	20	0.33
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	18	0.33
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	9	0.33
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	4	0.33
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	4	0.33
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	4	0.33
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	3	0.33
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	3	0.33
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	3	0.33
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	3	0.33
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	3	0.33
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	12	0.33
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	18	0.33
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG11	8	0.33
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG12	8	0.33
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG13	8	0.33
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG11	8	0.33
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG12	8	0.33
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG13	8	0.33
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG11	8	0.33
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG12	8	0.33
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG13	8	0.33
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	1	0.33
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	1	0.33
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	7	0.33
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	11	0.33
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	19	0.33
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	18	0.33
(1,2548)	1:165:A:LYS:H	1:165:A:LYS:HB2	5	0.33
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	8	0.33
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	8	0.33
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG2	15	0.33
(1,2486)	1:168:A:GLU:H	1:168:A:GLU:HG3	15	0.33
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	8	0.33
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	8	0.33
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	19	0.33
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	19	0.33
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	20	0.33
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	20	0.33
(1,2404)	1:102:A:ARG:HA	1:102:A:ARG:HG2	8	0.33
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	20	0.33
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	20	0.33
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	20	0.33
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	20	0.33
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	20	0.33
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	20	0.33
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	14	0.33
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	14	0.33
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	14	0.33
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	14	0.33
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	14	0.33
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	1	0.33
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	2	0.33
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	15	0.33
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	15	0.33
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	15	0.33
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	9	0.33
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	9	0.33
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	6	0.33
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	14	0.33
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	11	0.33
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	11	0.33
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	10	0.33
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	14	0.33
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	6	0.33
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	6	0.33
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	6	0.33
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	6	0.33
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	6	0.33
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	6	0.33
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	9	0.33
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	9	0.33
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	9	0.33
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	9	0.33
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	9	0.33
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	9	0.33
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	8	0.33
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	8	0.33
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	8	0.33
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	8	0.33
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	8	0.33
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	8	0.33
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	7	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	1	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	1	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	1	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	2	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	2	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	2	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	3	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	3	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	4	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	4	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	4	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	5	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	5	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	5	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	7	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	7	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	7	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	10	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	10	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	10	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	11	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	11	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	11	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	15	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	15	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	15	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	16	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	16	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	16	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	19	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	19	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	19	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	20	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	20	0.33
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	20	0.33
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	3	0.33
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	3	0.33
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	13	0.33
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	1	0.33
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	5	0.33
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	4	0.33
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	4	0.33
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	4	0.33
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	4	0.33
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	2	0.33
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	2	0.33
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	2	0.33
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	2	0.33
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	2	0.33
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	16	0.33
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	16	0.33
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG2	19	0.33
(1,1639)	1:107:A:GLU:H	1:107:A:GLU:HG3	19	0.33
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	2	0.33
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	2	0.33
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	5	0.33
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	5	0.33
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	6	0.33
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	6	0.33
(1,1481)	1:14:A:VAL:HA	1:83:A:ALA:HA	17	0.33
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE1	9	0.33
(1,1423)	1:72:A:MET:HE1	1:96:A:TYR:HE2	9	0.33
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE1	9	0.33
(1,1423)	1:72:A:MET:HE2	1:96:A:TYR:HE2	9	0.33
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE1	9	0.33
(1,1423)	1:72:A:MET:HE3	1:96:A:TYR:HE2	9	0.33
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	11	0.33
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	11	0.33
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	11	0.33
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	3	0.33
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	3	0.33
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	3	0.33
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	3	0.33
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	3	0.33
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	3	0.33
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	16	0.33
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	16	0.33
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	16	0.33
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	16	0.33
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	16	0.33
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	16	0.33
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	8	0.33
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	8	0.33
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	8	0.33
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	1	0.33
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	1	0.33
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	5	0.33
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	7	0.33
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	15	0.33
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	20	0.33
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	10	0.33
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	3	0.33
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	3	0.33
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	3	0.33
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	3	0.33
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	1	0.33
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	12	0.33
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	14	0.33
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	19	0.33
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	8	0.33
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	8	0.33
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	8	0.33
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	8	0.33
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	8	0.33
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	8	0.33
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	8	0.33
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	8	0.33
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	8	0.33
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	8	0.33
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	8	0.33
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	8	0.33
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	8	0.33
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	8	0.33
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	8	0.33
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	8	0.33
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	8	0.33
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	8	0.33
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	11	0.33
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	11	0.33
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	11	0.33
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	11	0.33
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	11	0.33
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	11	0.33
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	11	0.33
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	11	0.33
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	11	0.33
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	11	0.33
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	11	0.33
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	11	0.33
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	11	0.33
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	11	0.33
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	11	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	11	0.33
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	11	0.33
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	11	0.33
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	15	0.33
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	15	0.33
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	15	0.33
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	6	0.33
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	6	0.33
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	6	0.33
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	6	0.33
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	6	0.33
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	6	0.33
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	6	0.33
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	6	0.33
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	6	0.33
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	6	0.33
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	6	0.33
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	6	0.33
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	17	0.33
(1,1139)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	17	0.33
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	17	0.33
(1,1139)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	17	0.33
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	17	0.33
(1,1139)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	17	0.33
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	15	0.33
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	13	0.33
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD11	19	0.33
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD12	19	0.33
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD13	19	0.33
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD21	19	0.33
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD22	19	0.33
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD23	19	0.33
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	6	0.33
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	6	0.33
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	6	0.33
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	6	0.33
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	6	0.33
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	4	0.33
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	4	0.33
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	4	0.33
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD11	4	0.33
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD12	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,851)	1:142:A:ILE:H	1:142:A:ILE:HD13	4	0.33
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	2	0.33
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	2	0.33
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	2	0.33
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	18	0.33
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	18	0.33
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	18	0.33
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	14	0.33
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	14	0.33
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	8	0.33
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	8	0.33
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	8	0.33
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	14	0.33
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	18	0.33
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	4	0.33
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	16	0.33
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	20	0.33
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	10	0.33
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	10	0.33
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	10	0.33
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	10	0.33
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	4	0.33
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	4	0.33
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	4	0.33
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	4	0.33
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	4	0.33
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	4	0.33
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	4	0.33
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	4	0.33
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	4	0.33
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	4	0.33
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	4	0.33
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	4	0.33
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	13	0.33
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	15	0.33
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	15	0.33
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	15	0.33
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	14	0.33
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	14	0.33
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	14	0.33
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	1	0.33
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	1	0.33
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	13	0.33
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	11	0.33
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	11	0.33
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	18	0.33
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	18	0.33
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	18	0.33
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	18	0.33
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	18	0.33
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	18	0.33
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	7	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	3	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	3	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	8	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	8	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	11	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	11	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	12	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	12	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	14	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	14	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	15	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	15	0.33
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	18	0.33
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	18	0.33
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	9	0.33
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	15	0.33
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	1	0.33
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	1	0.33
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	1	0.33
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	1	0.33
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	1	0.33
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	1	0.33
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	2	0.33
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	2	0.33
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	2	0.33
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	2	0.33
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	2	0.33
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	2	0.33
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	2	0.33
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	2	0.33
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	2	0.33
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	2	0.33
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	2	0.33
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	20	0.33
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	20	0.33
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	20	0.33
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	20	0.33
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	20	0.33
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	20	0.33
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	20	0.33
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	20	0.33
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	20	0.33
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	20	0.33
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	20	0.33
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	20	0.33
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	20	0.33
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	20	0.33
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	20	0.33
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	20	0.33
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	20	0.33
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	20	0.33
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	20	0.33
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	20	0.33
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	20	0.33
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	20	0.33
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	20	0.33
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	20	0.33
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	20	0.33
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	20	0.33
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	20	0.33
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	20	0.33
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	20	0.33
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	20	0.33
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	20	0.33
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	20	0.33
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	20	0.33
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	20	0.33
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	20	0.33
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	20	0.33
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	20	0.33
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	20	0.33
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	20	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	5	0.32
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	5	0.32
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	5	0.32
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	5	0.32
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	5	0.32
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	5	0.32
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	5	0.32
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	5	0.32
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	5	0.32
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	5	0.32
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	5	0.32
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	5	0.32
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	11	0.32
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	11	0.32
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG2	2	0.32
(1,3239)	1:95:A:HIS:HA	1:98:A:GLU:HG3	2	0.32
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	2	0.32
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	18	0.32
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	6	0.32
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	6	0.32
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	15	0.32
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	15	0.32
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	11	0.32
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	17	0.32
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	9	0.32
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	4	0.32
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	4	0.32
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	7	0.32
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	4	0.32
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	8	0.32
(1,2908)	1:135:A:ARG:HD2	1:136:A:SER:H	2	0.32
(1,2908)	1:135:A:ARG:HD3	1:136:A:SER:H	2	0.32
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	7	0.32
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	7	0.32
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	16	0.32
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	16	0.32
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	16	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	8	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	8	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	8	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	8	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	8	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	10	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	10	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	10	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	10	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	10	0.32
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	10	0.32
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	9	0.32
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	9	0.32
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	14	0.32
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	14	0.32
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	6	0.32
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	8	0.32
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	6	0.32
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	6	0.32
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	6	0.32
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	6	0.32
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	6	0.32
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	6	0.32
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	14	0.32
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	14	0.32
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	14	0.32
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	14	0.32
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	14	0.32
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	14	0.32
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	12	0.32
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	16	0.32
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	16	0.32
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	16	0.32
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	16	0.32
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	16	0.32
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	16	0.32
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	16	0.32
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	16	0.32
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	16	0.32
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	16	0.32
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	16	0.32
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	16	0.32
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	20	0.32
(1,2404)	1:102:A:ARG:HA	1:102:A:ARG:HG2	17	0.32
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	3	0.32
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	3	0.32
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	3	0.32
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	3	0.32
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	3	0.32
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	15	0.32
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	20	0.32
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	20	0.32
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	20	0.32
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	20	0.32
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	20	0.32
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	20	0.32
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	1	0.32
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	2	0.32
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	2	0.32
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	2	0.32
(1,2212)	1:78:A:PHE:HZ	1:100:A:ILE:HB	9	0.32
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	10	0.32
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	10	0.32
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	10	0.32
(1,2086)	1:132:A:ASP:HA	1:135:A:ARG:HD2	20	0.32
(1,2086)	1:132:A:ASP:HA	1:135:A:ARG:HD3	20	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	6	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	6	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	6	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	8	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	8	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	8	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	9	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	9	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	9	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	14	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	14	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	14	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	17	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	17	0.32
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	17	0.32
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD1	2	0.32
(1,1947)	1:2:A:THR:HG21	1:4:A:TYR:HD2	2	0.32
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD1	2	0.32
(1,1947)	1:2:A:THR:HG22	1:4:A:TYR:HD2	2	0.32
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD1	2	0.32
(1,1947)	1:2:A:THR:HG23	1:4:A:TYR:HD2	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	7	0.32
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	7	0.32
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	19	0.32
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	19	0.32
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	19	0.32
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	16	0.32
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG11	14	0.32
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG12	14	0.32
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG13	14	0.32
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG21	14	0.32
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG22	14	0.32
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG23	14	0.32
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	3	0.32
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	3	0.32
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	3	0.32
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	8	0.32
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	8	0.32
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	19	0.32
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	19	0.32
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	20	0.32
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	20	0.32
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	14	0.32
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	16	0.32
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	16	0.32
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	10	0.32
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	10	0.32
(1,1436)	1:79:A:LEU:HD11	1:156:A:PHE:HB3	13	0.32
(1,1436)	1:79:A:LEU:HD12	1:156:A:PHE:HB3	13	0.32
(1,1436)	1:79:A:LEU:HD13	1:156:A:PHE:HB3	13	0.32
(1,1436)	1:79:A:LEU:HD21	1:156:A:PHE:HB3	13	0.32
(1,1436)	1:79:A:LEU:HD22	1:156:A:PHE:HB3	13	0.32
(1,1436)	1:79:A:LEU:HD23	1:156:A:PHE:HB3	13	0.32
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	6	0.32
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	6	0.32
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	6	0.32
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	19	0.32
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	6	0.32
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	7	0.32
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	19	0.32
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	17	0.32
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	17	0.32
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	14	0.32
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	3	0.32
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	5	0.32
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	11	0.32
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	16	0.32
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	2	0.32
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	15	0.32
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	8	0.32
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	12	0.32
(1,1212)	1:56:A:LEU:H	1:56:A:LEU:HG	17	0.32
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	10	0.32
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	10	0.32
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	10	0.32
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	14	0.32
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	7	0.32
(1,1098)	1:46:A:ILE:HD11	1:160:A:VAL:HB	3	0.32
(1,1098)	1:46:A:ILE:HD12	1:160:A:VAL:HB	3	0.32
(1,1098)	1:46:A:ILE:HD13	1:160:A:VAL:HB	3	0.32
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD1	10	0.32
(1,1093)	1:21:A:ILE:H	1:40:A:TYR:HD2	10	0.32
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	15	0.32
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	18	0.32
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	20	0.32
(1,1009)	1:45:A:VAL:HG11	1:48:A:GLY:H	11	0.32
(1,1009)	1:45:A:VAL:HG12	1:48:A:GLY:H	11	0.32
(1,1009)	1:45:A:VAL:HG13	1:48:A:GLY:H	11	0.32
(1,1009)	1:45:A:VAL:HG21	1:48:A:GLY:H	11	0.32
(1,1009)	1:45:A:VAL:HG22	1:48:A:GLY:H	11	0.32
(1,1009)	1:45:A:VAL:HG23	1:48:A:GLY:H	11	0.32
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	7	0.32
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	16	0.32
(1,828)	1:120:A:LEU:HD21	2:201:A:GNP:HN1	10	0.32
(1,828)	1:120:A:LEU:HD22	2:201:A:GNP:HN1	10	0.32
(1,828)	1:120:A:LEU:HD23	2:201:A:GNP:HN1	10	0.32
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	12	0.32
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	19	0.32
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	8	0.32
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	8	0.32
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	11	0.32
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	11	0.32
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	12	0.32
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	12	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	20	0.32
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	20	0.32
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	11	0.32
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	4	0.32
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	4	0.32
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	4	0.32
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	4	0.32
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	4	0.32
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	4	0.32
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	17	0.32
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	17	0.32
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	17	0.32
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	6	0.32
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	12	0.32
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	17	0.32
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	17	0.32
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	10	0.32
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	10	0.32
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	10	0.32
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	10	0.32
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	10	0.32
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	10	0.32
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	3	0.32
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	3	0.32
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	4	0.32
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	6	0.32
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	4	0.32
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	4	0.32
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	5	0.32
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	5	0.32
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	10	0.32
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	10	0.32
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	13	0.32
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	13	0.32
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	20	0.32
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	20	0.32
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	1	0.32
(1,69)	1:85:A:ASN:H	1:123:A:ARG:HA	14	0.32
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	12	0.31
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE1	9	0.31
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE2	9	0.31
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE1	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE2	9	0.31
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE1	9	0.31
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE2	9	0.31
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE1	9	0.31
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE2	9	0.31
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE1	9	0.31
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE2	9	0.31
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE1	9	0.31
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE2	9	0.31
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	19	0.31
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	19	0.31
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD1	10	0.31
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD2	10	0.31
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	13	0.31
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	4	0.31
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	4	0.31
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	4	0.31
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	4	0.31
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	4	0.31
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	4	0.31
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	9	0.31
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	9	0.31
(1,3062)	1:9:A:VAL:HB	1:81:A:VAL:H	2	0.31
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	9	0.31
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	9	0.31
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	14	0.31
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	16	0.31
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	16	0.31
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	19	0.31
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	19	0.31
(1,2846)	1:140:A:PRO:HG2	1:141:A:PHE:H	15	0.31
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	1	0.31
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	1	0.31
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	1	0.31
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	15	0.31
(1,2810)	1:73:A:ARG:HA	1:73:A:ARG:HE	1	0.31
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	6	0.31
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	6	0.31
(1,2789)	1:14:A:VAL:HB	1:83:A:ALA:HB1	12	0.31
(1,2789)	1:14:A:VAL:HB	1:83:A:ALA:HB2	12	0.31
(1,2789)	1:14:A:VAL:HB	1:83:A:ALA:HB3	12	0.31
(1,2788)	1:116:A:ASN:HA	1:145:A:SER:H	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	12	0.31
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	17	0.31
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	17	0.31
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	17	0.31
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	17	0.31
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	17	0.31
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	17	0.31
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	17	0.31
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	5	0.31
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	5	0.31
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	6	0.31
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	6	0.31
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	7	0.31
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	7	0.31
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	20	0.31
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	20	0.31
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	7	0.31
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	4	0.31
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG21	17	0.31
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG22	17	0.31
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG23	17	0.31
(1,2351)	1:4:A:TYR:HE1	1:164:A:ARG:HA	15	0.31
(1,2351)	1:4:A:TYR:HE2	1:164:A:ARG:HA	15	0.31
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	1	0.31
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	1	0.31
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	1	0.31
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	11	0.31
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	7	0.31
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	18	0.31
(1,2156)	1:111:A:MET:H	1:140:A:PRO:HD3	14	0.31
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	7	0.31
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	7	0.31
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	7	0.31
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	11	0.31
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	11	0.31
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	11	0.31
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	11	0.31
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	11	0.31
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	11	0.31
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	8	0.31
(1,2028)	1:43:A:GLN:HA	1:51:A:CYS:H	2	0.31
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG21	13	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG22	13	0.31
(1,1983)	1:124:A:THR:HA	1:124:A:THR:HG23	13	0.31
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG21	9	0.31
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG22	9	0.31
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG23	9	0.31
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG21	9	0.31
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG22	9	0.31
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG23	9	0.31
(1,1870)	1:81:A:VAL:HA	1:114:A:VAL:HB	7	0.31
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	16	0.31
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	16	0.31
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	16	0.31
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	16	0.31
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	16	0.31
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	16	0.31
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	6	0.31
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	11	0.31
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	11	0.31
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	11	0.31
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	4	0.31
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	4	0.31
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	17	0.31
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	17	0.31
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	20	0.31
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	20	0.31
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	20	0.31
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	20	0.31
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	20	0.31
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	20	0.31
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	11	0.31
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	1	0.31
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	5	0.31
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	12	0.31
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	12	0.31
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	4	0.31
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	4	0.31
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	4	0.31
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	4	0.31
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	4	0.31
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	4	0.31
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	16	0.31
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	16	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	16	0.31
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	16	0.31
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	16	0.31
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	16	0.31
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	12	0.31
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	12	0.31
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE1	20	0.31
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE2	20	0.31
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	4	0.31
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	16	0.31
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	16	0.31
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	5	0.31
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	5	0.31
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	5	0.31
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	5	0.31
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	5	0.31
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	5	0.31
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	2	0.31
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	3	0.31
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	6	0.31
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	11	0.31
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	17	0.31
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	17	0.31
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	7	0.31
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	7	0.31
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	3	0.31
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	3	0.31
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD1	8	0.31
(1,1285)	1:67:A:MET:HG3	1:71:A:TYR:HD2	8	0.31
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	5	0.31
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	5	0.31
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	5	0.31
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	5	0.31
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	6	0.31
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	7	0.31
(1,1252)	1:63:A:GLU:HA	1:64:A:TYR:H	9	0.31
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	1	0.31
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	5	0.31
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	8	0.31
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	10	0.31
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	11	0.31
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	18	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	1	0.31
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	1	0.31
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	18	0.31
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	7	0.31
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	9	0.31
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	16	0.31
(1,1009)	1:45:A:VAL:HG11	1:48:A:GLY:H	2	0.31
(1,1009)	1:45:A:VAL:HG12	1:48:A:GLY:H	2	0.31
(1,1009)	1:45:A:VAL:HG13	1:48:A:GLY:H	2	0.31
(1,1009)	1:45:A:VAL:HG21	1:48:A:GLY:H	2	0.31
(1,1009)	1:45:A:VAL:HG22	1:48:A:GLY:H	2	0.31
(1,1009)	1:45:A:VAL:HG23	1:48:A:GLY:H	2	0.31
(1,1009)	1:45:A:VAL:HG11	1:48:A:GLY:H	17	0.31
(1,1009)	1:45:A:VAL:HG12	1:48:A:GLY:H	17	0.31
(1,1009)	1:45:A:VAL:HG13	1:48:A:GLY:H	17	0.31
(1,1009)	1:45:A:VAL:HG21	1:48:A:GLY:H	17	0.31
(1,1009)	1:45:A:VAL:HG22	1:48:A:GLY:H	17	0.31
(1,1009)	1:45:A:VAL:HG23	1:48:A:GLY:H	17	0.31
(1,1009)	1:45:A:VAL:HG11	1:48:A:GLY:H	18	0.31
(1,1009)	1:45:A:VAL:HG12	1:48:A:GLY:H	18	0.31
(1,1009)	1:45:A:VAL:HG13	1:48:A:GLY:H	18	0.31
(1,1009)	1:45:A:VAL:HG21	1:48:A:GLY:H	18	0.31
(1,1009)	1:45:A:VAL:HG22	1:48:A:GLY:H	18	0.31
(1,1009)	1:45:A:VAL:HG23	1:48:A:GLY:H	18	0.31
(1,1009)	1:45:A:VAL:HG11	1:48:A:GLY:H	20	0.31
(1,1009)	1:45:A:VAL:HG12	1:48:A:GLY:H	20	0.31
(1,1009)	1:45:A:VAL:HG13	1:48:A:GLY:H	20	0.31
(1,1009)	1:45:A:VAL:HG21	1:48:A:GLY:H	20	0.31
(1,1009)	1:45:A:VAL:HG22	1:48:A:GLY:H	20	0.31
(1,1009)	1:45:A:VAL:HG23	1:48:A:GLY:H	20	0.31
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	15	0.31
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	15	0.31
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	1	0.31
(1,861)	1:41:A:ARG:HG2	1:55:A:ILE:H	15	0.31
(1,861)	1:41:A:ARG:HG3	1:55:A:ILE:H	15	0.31
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	5	0.31
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	5	0.31
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	5	0.31
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	20	0.31
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	15	0.31
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	3	0.31
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	3	0.31
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE21	9	0.31
(1,670)	1:65:A:SER:HA	1:99:A:GLN:HE22	9	0.31
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	5	0.31
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	5	0.31
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	5	0.31
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	5	0.31
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	5	0.31
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	5	0.31
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	5	0.31
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	5	0.31
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	5	0.31
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	5	0.31
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	5	0.31
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	5	0.31
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	13	0.31
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	13	0.31
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	13	0.31
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	13	0.31
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	13	0.31
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	13	0.31
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	13	0.31
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	13	0.31
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	13	0.31
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	13	0.31
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	13	0.31
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	13	0.31
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	10	0.31
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	3	0.31
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	3	0.31
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	3	0.31
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	14	0.31
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	14	0.31
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	14	0.31
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	6	0.31
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	6	0.31
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	9	0.31
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	9	0.31
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	19	0.31
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	19	0.31
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	19	0.31
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	5	0.31
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	5	0.31
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	7	0.31
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	7	0.31
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	7	0.31
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	12	0.31
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	12	0.31
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	12	0.31
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	20	0.31
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	20	0.31
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	20	0.31
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	20	0.31
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	20	0.31
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	6	0.31
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	10	0.31
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	9	0.31
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	4	0.31
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	4	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	4	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	4	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	4	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	18	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	18	0.31
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	18	0.31
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	14	0.31
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	14	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	5	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	5	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	5	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	5	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	5	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	5	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	7	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	7	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	7	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	7	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	7	0.31
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	7	0.31
(1,102)	1:84:A:ILE:HG12	1:85:A:ASN:H	4	0.31
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	11	0.31
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	6	0.31
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	6	0.31
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	9	0.31
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	9	0.31
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	9	0.31
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	9	0.31
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	9	0.31
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	9	0.31
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	9	0.31
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	9	0.31
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	9	0.31
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	6	0.3
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	17	0.3
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	1	0.3
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	5	0.3
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	3	0.3
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	15	0.3
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	19	0.3
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	19	0.3
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	19	0.3
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	19	0.3
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	19	0.3
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	19	0.3
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	19	0.3
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	19	0.3
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	19	0.3
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	19	0.3
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	19	0.3
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	19	0.3
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE1	12	0.3
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE2	12	0.3
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE1	12	0.3
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE2	12	0.3
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE1	12	0.3
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE2	12	0.3
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE1	12	0.3
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE2	12	0.3
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE1	12	0.3
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE2	12	0.3
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE1	12	0.3
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE2	12	0.3
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD1	5	0.3
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD2	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	6	0.3
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	6	0.3
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	6	0.3
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	6	0.3
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	6	0.3
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	6	0.3
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	4	0.3
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	4	0.3
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	4	0.3
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	4	0.3
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	4	0.3
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	4	0.3
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	1	0.3
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	1	0.3
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	1	0.3
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	12	0.3
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	12	0.3
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	19	0.3
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	14	0.3
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	12	0.3
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	12	0.3
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	12	0.3
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	2	0.3
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	2	0.3
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	2	0.3
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	17	0.3
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	17	0.3
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	17	0.3
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	3	0.3
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	3	0.3
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	2	0.3
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	2	0.3
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	2	0.3
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	19	0.3
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	7	0.3
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	8	0.3
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	8	0.3
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	17	0.3
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	17	0.3
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	9	0.3
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	16	0.3
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	19	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	19	0.3
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	19	0.3
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	19	0.3
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	19	0.3
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	19	0.3
(1,2457)	1:110:A:PRO:HG2	1:166:A:HIS:HB2	18	0.3
(1,2452)	1:162:A:GLU:HA	1:165:A:LYS:HG2	13	0.3
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	20	0.3
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	20	0.3
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	1	0.3
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	12	0.3
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	17	0.3
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	17	0.3
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	17	0.3
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	19	0.3
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	16	0.3
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	19	0.3
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	3	0.3
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	3	0.3
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	3	0.3
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	3	0.3
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	3	0.3
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	3	0.3
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	18	0.3
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	1	0.3
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	1	0.3
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	1	0.3
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	1	0.3
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	1	0.3
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	1	0.3
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD1	15	0.3
(1,2039)	1:156:A:PHE:HD1	1:157:A:TYR:HD2	15	0.3
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD1	15	0.3
(1,2039)	1:156:A:PHE:HD2	1:157:A:TYR:HD2	15	0.3
(1,2037)	1:129:A:GLN:HA	1:132:A:ASP:HB3	8	0.3
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	12	0.3
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	20	0.3
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	15	0.3
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD2	11	0.3
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD3	11	0.3
(1,1979)	1:55:A:ILE:HB	1:156:A:PHE:HZ	15	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	4	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	4	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	4	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	4	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	4	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	6	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	6	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	6	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	6	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	6	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	6	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	14	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	14	0.3
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	14	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	14	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	14	0.3
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	14	0.3
(1,1813)	1:100:A:ILE:HD11	1:111:A:MET:HG3	11	0.3
(1,1813)	1:100:A:ILE:HD12	1:111:A:MET:HG3	11	0.3
(1,1813)	1:100:A:ILE:HD13	1:111:A:MET:HG3	11	0.3
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	8	0.3
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG21	5	0.3
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG22	5	0.3
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG23	5	0.3
(1,1774)	1:24:A:ILE:HD11	1:41:A:ARG:HA	12	0.3
(1,1774)	1:24:A:ILE:HD12	1:41:A:ARG:HA	12	0.3
(1,1774)	1:24:A:ILE:HD13	1:41:A:ARG:HA	12	0.3
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	6	0.3
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	6	0.3
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	17	0.3
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	17	0.3
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	12	0.3
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	12	0.3
(1,1623)	1:150:A:GLN:HB3	1:151:A:GLY:HA3	1	0.3
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	1	0.3
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	1	0.3
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	1	0.3
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	1	0.3
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	1	0.3
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	1	0.3
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	13	0.3
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE21	16	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE22	16	0.3
(1,1460)	1:113:A:LEU:HD21	1:130:A:ALA:HB1	2	0.3
(1,1460)	1:113:A:LEU:HD21	1:130:A:ALA:HB2	2	0.3
(1,1460)	1:113:A:LEU:HD21	1:130:A:ALA:HB3	2	0.3
(1,1460)	1:113:A:LEU:HD22	1:130:A:ALA:HB1	2	0.3
(1,1460)	1:113:A:LEU:HD22	1:130:A:ALA:HB2	2	0.3
(1,1460)	1:113:A:LEU:HD22	1:130:A:ALA:HB3	2	0.3
(1,1460)	1:113:A:LEU:HD23	1:130:A:ALA:HB1	2	0.3
(1,1460)	1:113:A:LEU:HD23	1:130:A:ALA:HB2	2	0.3
(1,1460)	1:113:A:LEU:HD23	1:130:A:ALA:HB3	2	0.3
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	3	0.3
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	9	0.3
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	9	0.3
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	9	0.3
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	2	0.3
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	2	0.3
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	2	0.3
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	2	0.3
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	2	0.3
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	2	0.3
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	12	0.3
(1,1338)	1:73:A:ARG:HA	1:73:A:ARG:HD2	9	0.3
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	4	0.3
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	4	0.3
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	4	0.3
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	4	0.3
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	4	0.3
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	4	0.3
(1,1279)	1:94:A:HIS:HA	1:96:A:TYR:H	17	0.3
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	20	0.3
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	20	0.3
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	20	0.3
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	20	0.3
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	20	0.3
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	20	0.3
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	6	0.3
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	17	0.3
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	2	0.3
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	2	0.3
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	1	0.3
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	15	0.3
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	17	0.3
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	5	0.3
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	17	0.3
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	17	0.3
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	19	0.3
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	19	0.3
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	14	0.3
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	3	0.3
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	13	0.3
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	1	0.3
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	1	0.3
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	17	0.3
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	17	0.3
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	18	0.3
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	14	0.3
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	14	0.3
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	14	0.3
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	14	0.3
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	14	0.3
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	14	0.3
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	14	0.3
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	14	0.3
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	14	0.3
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	14	0.3
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	14	0.3
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	14	0.3
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	11	0.3
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	11	0.3
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	11	0.3
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	12	0.3
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	12	0.3
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	12	0.3
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	6	0.3
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	6	0.3
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	17	0.3
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	17	0.3
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	17	0.3
(1,377)	1:24:A:ILE:HD11	1:43:A:GLN:H	12	0.3
(1,377)	1:24:A:ILE:HD12	1:43:A:GLN:H	12	0.3
(1,377)	1:24:A:ILE:HD13	1:43:A:GLN:H	12	0.3
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	11	0.3
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	11	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	11	0.3
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	19	0.3
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	4	0.3
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	4	0.3
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	4	0.3
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	4	0.3
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	4	0.3
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	4	0.3
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	8	0.3
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	2	0.3
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	2	0.3
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	2	0.3
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	20	0.3
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	20	0.3
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	20	0.3
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	12	0.3
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	12	0.3
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	12	0.3
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	12	0.3
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	12	0.3
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	12	0.3
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	8	0.3
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	8	0.3
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	8	0.3
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	16	0.3
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	16	0.3
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	16	0.3
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	10	0.3
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	16	0.3
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	16	0.3
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	3	0.3
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	5	0.3
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	15	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	3	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	4	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	13	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	14	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	15	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	16	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	17	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	18	0.3
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	20	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	7	0.3
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	15	0.3
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	16	0.3
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	17	0.3
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	5	0.3
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	5	0.3
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	5	0.3
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	3	0.3
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	19	0.3
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	1	0.29
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	10	0.29
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	4	0.29
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	6	0.29
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	13	0.29
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	10	0.29
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	10	0.29
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	10	0.29
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	10	0.29
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	10	0.29
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	10	0.29
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	10	0.29
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	10	0.29
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	10	0.29
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	10	0.29
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	10	0.29
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	10	0.29
(1,3277)	1:112:A:VAL:H	1:159:A:LEU:HA	9	0.29
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	10	0.29
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	10	0.29
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	10	0.29
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	9	0.29
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	9	0.29
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	13	0.29
(1,3172)	1:41:A:ARG:HA	1:41:A:ARG:HE	13	0.29
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	7	0.29
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	7	0.29
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	7	0.29
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	10	0.29
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	10	0.29
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	10	0.29
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	16	0.29
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB2	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:41:A:ARG:HE	1:54:A:ASP:HB3	17	0.29
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	1	0.29
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	1	0.29
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	20	0.29
(1,3030)	1:32:A:TYR:HE1	1:34:A:PRO:HG3	9	0.29
(1,3030)	1:32:A:TYR:HE2	1:34:A:PRO:HG3	9	0.29
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	4	0.29
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	2	0.29
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	2	0.29
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	2	0.29
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	17	0.29
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	17	0.29
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	17	0.29
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	2	0.29
(1,2788)	1:116:A:ASN:HA	1:145:A:SER:H	19	0.29
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	1	0.29
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	1	0.29
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	1	0.29
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	1	0.29
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	1	0.29
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	1	0.29
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	11	0.29
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	15	0.29
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	18	0.29
(1,2549)	1:165:A:LYS:H	1:165:A:LYS:HG2	13	0.29
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	10	0.29
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	7	0.29
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	7	0.29
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	11	0.29
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	11	0.29
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	17	0.29
(1,2455)	1:166:A:HIS:HB2	1:167:A:LYS:H	18	0.29
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	11	0.29
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	11	0.29
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	15	0.29
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	15	0.29
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	7	0.29
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	7	0.29
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	19	0.29
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	19	0.29
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	19	0.29
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	16	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2269)	1:113:A:LEU:HD11	1:114:A:VAL:HA	10	0.29
(1,2269)	1:113:A:LEU:HD12	1:114:A:VAL:HA	10	0.29
(1,2269)	1:113:A:LEU:HD13	1:114:A:VAL:HA	10	0.29
(1,2269)	1:113:A:LEU:HD21	1:114:A:VAL:HA	10	0.29
(1,2269)	1:113:A:LEU:HD22	1:114:A:VAL:HA	10	0.29
(1,2269)	1:113:A:LEU:HD23	1:114:A:VAL:HA	10	0.29
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	9	0.29
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	9	0.29
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	9	0.29
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	4	0.29
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	5	0.29
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	5	0.29
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	20	0.29
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	20	0.29
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	19	0.29
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	19	0.29
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	19	0.29
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	19	0.29
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	19	0.29
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	19	0.29
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	19	0.29
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	19	0.29
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	19	0.29
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	19	0.29
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	19	0.29
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	19	0.29
(1,2188)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	16	0.29
(1,2188)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	16	0.29
(1,2188)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	16	0.29
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	8	0.29
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	8	0.29
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	8	0.29
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	5	0.29
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	5	0.29
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	5	0.29
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	5	0.29
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	5	0.29
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	5	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	2	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	2	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	2	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	9	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	9	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	11	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	11	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	11	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	14	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	14	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	14	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	16	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	16	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	16	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	17	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	17	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	17	0.29
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	18	0.29
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	18	0.29
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	18	0.29
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	11	0.29
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	14	0.29
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	12	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	5	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	5	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	5	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	5	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	5	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	5	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	11	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	11	0.29
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	11	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	11	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	11	0.29
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	11	0.29
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD21	10	0.29
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD22	10	0.29
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD23	10	0.29
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD21	10	0.29
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD22	10	0.29
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD23	10	0.29
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	1	0.29
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	1	0.29
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	1	0.29
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	1	0.29
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	1	0.29
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	1	0.29
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	1	0.29
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	1	0.29
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	1	0.29
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	1	0.29
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	1	0.29
(1,1810)	1:111:A:MET:HG2	1:139:A:ILE:HG12	5	0.29
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	20	0.29
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	20	0.29
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	20	0.29
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	20	0.29
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	20	0.29
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	20	0.29
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	18	0.29
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	18	0.29
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	18	0.29
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	13	0.29
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	3	0.29
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	3	0.29
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	6	0.29
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	9	0.29
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	2	0.29
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	2	0.29
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	2	0.29
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	2	0.29
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	2	0.29
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	2	0.29
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG2	14	0.29
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG3	14	0.29
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE21	18	0.29
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE22	18	0.29
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	14	0.29
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	14	0.29
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	14	0.29
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	14	0.29
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	14	0.29
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	14	0.29
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	14	0.29
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	14	0.29
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	14	0.29
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	14	0.29
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	14	0.29
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	14	0.29
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	14	0.29
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	14	0.29
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	14	0.29
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	14	0.29
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	14	0.29
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	3	0.29
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	3	0.29
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	19	0.29
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	19	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	16	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	16	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	16	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	16	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	16	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	16	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	16	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	16	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	16	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	16	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	16	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	16	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	17	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	17	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	17	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	17	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	17	0.29
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	17	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	17	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	17	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	17	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	17	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	17	0.29
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	17	0.29
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	3	0.29
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	3	0.29
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	3	0.29
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	3	0.29
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	3	0.29
(1,1279)	1:94:A:HIS:HA	1:96:A:TYR:H	13	0.29
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	14	0.29
(1,1252)	1:63:A:GLU:HA	1:64:A:TYR:H	12	0.29
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	16	0.29
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	1	0.29
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	5	0.29
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	16	0.29
(1,1212)	1:56:A:LEU:H	1:56:A:LEU:HG	12	0.29
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	5	0.29
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	5	0.29
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	5	0.29
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	14	0.29
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	14	0.29
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	14	0.29
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	14	0.29
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	14	0.29
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	14	0.29
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	19	0.29
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	19	0.29
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	19	0.29
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	19	0.29
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	19	0.29
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	19	0.29
(1,1187)	1:56:A:LEU:HD11	1:71:A:TYR:HB2	5	0.29
(1,1187)	1:56:A:LEU:HD12	1:71:A:TYR:HB2	5	0.29
(1,1187)	1:56:A:LEU:HD13	1:71:A:TYR:HB2	5	0.29
(1,1187)	1:56:A:LEU:HD21	1:71:A:TYR:HB2	5	0.29
(1,1187)	1:56:A:LEU:HD22	1:71:A:TYR:HB2	5	0.29
(1,1187)	1:56:A:LEU:HD23	1:71:A:TYR:HB2	5	0.29
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	4	0.29
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	5	0.29
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	5	0.29
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD11	11	0.29
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD12	11	0.29
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD13	11	0.29
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD11	11	0.29
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD12	11	0.29
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD13	11	0.29
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	1	0.29
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	1	0.29
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	9	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	9	0.29
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	4	0.29
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	9	0.29
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	14	0.29
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	16	0.29
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	5	0.29
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	1	0.29
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	1	0.29
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	1	0.29
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	3	0.29
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	3	0.29
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	3	0.29
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	13	0.29
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	13	0.29
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	13	0.29
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	13	0.29
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	13	0.29
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	13	0.29
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	19	0.29
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	6	0.29
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	6	0.29
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	19	0.29
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	2	0.29
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	2	0.29
(1,823)	1:118:A:SER:H	2:201:A:GNP:HN1	4	0.29
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	12	0.29
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	6	0.29
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	12	0.29
(1,698)	1:86:A:ASN:HB2	1:89:A:SER:H	15	0.29
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	9	0.29
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	9	0.29
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	17	0.29
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	17	0.29
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	17	0.29
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	17	0.29
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	2	0.29
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	2	0.29
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	2	0.29
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	19	0.29
(1,457)	1:21:A:ILE:HG21	1:27:A:HIS:HB2	18	0.29
(1,457)	1:21:A:ILE:HG22	1:27:A:HIS:HB2	18	0.29
(1,457)	1:21:A:ILE:HG23	1:27:A:HIS:HB2	18	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	6	0.29
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD1	12	0.29
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD2	12	0.29
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD1	12	0.29
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD2	12	0.29
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD1	12	0.29
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD2	12	0.29
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	14	0.29
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	14	0.29
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	8	0.29
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	8	0.29
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	8	0.29
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	8	0.29
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	8	0.29
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	8	0.29
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	15	0.29
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	7	0.29
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	7	0.29
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	7	0.29
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	19	0.29
(1,252)	1:21:A:ILE:HG21	1:25:A:GLN:HE21	7	0.29
(1,252)	1:21:A:ILE:HG22	1:25:A:GLN:HE21	7	0.29
(1,252)	1:21:A:ILE:HG23	1:25:A:GLN:HE21	7	0.29
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	11	0.29
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	11	0.29
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	11	0.29
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	7	0.29
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	7	0.29
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	7	0.29
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	7	0.29
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	7	0.29
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	7	0.29
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	5	0.29
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	5	0.29
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	5	0.29
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	5	0.29
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	10	0.29
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	12	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	17	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	17	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	17	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	17	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	17	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	17	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	19	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	19	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	19	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	19	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	19	0.29
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	19	0.29
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	1	0.29
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	1	0.29
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	1	0.29
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	1	0.29
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	1	0.29
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	1	0.29
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	1	0.29
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	1	0.29
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	1	0.29
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	1	0.29
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	1	0.29
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	1	0.29
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	15	0.29
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	15	0.29
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	15	0.29
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	16	0.29
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	16	0.29
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	16	0.29
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	18	0.29
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	18	0.29
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	8	0.29
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG11	14	0.29
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG12	14	0.29
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG13	14	0.29
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG21	14	0.29
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG22	14	0.29
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG23	14	0.29
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	16	0.29
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	2	0.28
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	6	0.28
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	1	0.28
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	5	0.28
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	15	0.28
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG2	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3246)	1:37:A:GLU:H	1:37:A:GLU:HG3	17	0.28
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	5	0.28
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	5	0.28
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	5	0.28
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	7	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	4	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	4	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	4	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	11	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	11	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	11	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	19	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	19	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	19	0.28
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	7	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	7	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	7	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	7	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	7	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	7	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	7	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	7	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	7	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	7	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	7	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	7	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	7	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	7	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	7	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	7	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	7	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	7	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	9	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	9	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	9	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	9	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	9	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	9	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	9	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	9	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	9	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	9	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	9	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	9	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	9	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	9	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	9	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	9	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	9	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	10	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	10	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	10	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	10	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	10	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	10	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	10	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	10	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	10	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	10	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	10	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	10	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	10	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	15	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	15	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	15	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	15	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	15	0.28
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	15	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	15	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	15	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	15	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	15	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	15	0.28
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	15	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	15	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	15	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	15	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	15	0.28
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	15	0.28
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	9	0.28
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	19	0.28
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	17	0.28
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	1	0.28
(1,2998)	1:129:A:GLN:H	1:132:A:ASP:HB2	18	0.28
(1,2998)	1:129:A:GLN:H	1:132:A:ASP:HB3	18	0.28
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE1	15	0.28
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE2	15	0.28
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE1	15	0.28
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE2	15	0.28
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE1	15	0.28
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE2	15	0.28
(1,2862)	1:77:A:GLY:HA3	1:163:A:ILE:HG21	20	0.28
(1,2862)	1:77:A:GLY:HA3	1:163:A:ILE:HG22	20	0.28
(1,2862)	1:77:A:GLY:HA3	1:163:A:ILE:HG23	20	0.28
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	20	0.28
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	9	0.28
(1,2768)	1:145:A:SER:H	1:150:A:GLN:HG3	1	0.28
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	1	0.28
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	1	0.28
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	1	0.28
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	7	0.28
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	7	0.28
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	4	0.28
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	4	0.28
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	4	0.28
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	4	0.28
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	4	0.28
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	4	0.28
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	4	0.28
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	4	0.28
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	4	0.28
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	4	0.28
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	4	0.28
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	4	0.28
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	6	0.28
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	6	0.28
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	6	0.28
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	6	0.28
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	6	0.28
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	6	0.28
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	6	0.28
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	6	0.28
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	6	0.28
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	6	0.28
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	6	0.28
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	9	0.28
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	17	0.28
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	20	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	4	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	4	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	4	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	8	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	8	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	8	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	10	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	10	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	10	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	12	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	12	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	12	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	13	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	13	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	13	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	17	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	17	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	17	0.28
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	20	0.28
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	20	0.28
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	20	0.28
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	12	0.28
(1,2503)	1:119:A:ASP:HB2	1:148:A:THR:HB	18	0.28
(1,2503)	1:119:A:ASP:HB3	1:148:A:THR:HB	18	0.28
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	13	0.28
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	13	0.28
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	18	0.28
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	18	0.28
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	11	0.28
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	11	0.28
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	9	0.28
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	12	0.28
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	6	0.28
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	1	0.28
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	1	0.28
(1,2379)	1:46:A:ILE:HD11	1:160:A:VAL:H	18	0.28
(1,2379)	1:46:A:ILE:HD12	1:160:A:VAL:H	18	0.28
(1,2379)	1:46:A:ILE:HD13	1:160:A:VAL:H	18	0.28
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	7	0.28
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	2	0.28
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	2	0.28
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	2	0.28
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	2	0.28
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	2	0.28
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	2	0.28
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	9	0.28
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	7	0.28
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	7	0.28
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	7	0.28
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	17	0.28
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	17	0.28
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	17	0.28
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	9	0.28
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	9	0.28
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	9	0.28
(1,2237)	1:148:A:THR:HG21	1:150:A:GLN:HB3	17	0.28
(1,2237)	1:148:A:THR:HG22	1:150:A:GLN:HB3	17	0.28
(1,2237)	1:148:A:THR:HG23	1:150:A:GLN:HB3	17	0.28
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	8	0.28
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	4	0.28
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	4	0.28
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	3	0.28
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	3	0.28
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	3	0.28
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	17	0.28
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	17	0.28
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	17	0.28
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	17	0.28
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	17	0.28
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	17	0.28
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	18	0.28
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	11	0.28
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	11	0.28
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	11	0.28
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	11	0.28
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	11	0.28
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	11	0.28
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD2	2	0.28
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD3	2	0.28
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB2	16	0.28
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB3	16	0.28
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	9	0.28
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	12	0.28
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	12	0.28
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	12	0.28
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	12	0.28
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	12	0.28
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	12	0.28
(1,1765)	1:109:A:VAL:HG21	1:110:A:PRO:HD2	14	0.28
(1,1765)	1:109:A:VAL:HG22	1:110:A:PRO:HD2	14	0.28
(1,1765)	1:109:A:VAL:HG23	1:110:A:PRO:HD2	14	0.28
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	9	0.28
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	9	0.28
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	9	0.28
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	9	0.28
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	9	0.28
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	9	0.28
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE1	3	0.28
(1,1728)	1:116:A:ASN:H	1:141:A:PHE:HE2	3	0.28
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	14	0.28
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	14	0.28
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	7	0.28
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	7	0.28
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	15	0.28
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	15	0.28
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	2	0.28
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	10	0.28
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	10	0.28
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	1	0.28
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	1	0.28
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	13	0.28
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	2	0.28
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	6	0.28
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	1	0.28
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	1	0.28
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	11	0.28
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	11	0.28
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	2	0.28
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	2	0.28
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	2	0.28
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	2	0.28
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	2	0.28
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	2	0.28
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	15	0.28
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	15	0.28
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE21	5	0.28
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE22	5	0.28
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE1	16	0.28
(1,1438)	1:11:A:ALA:H	1:96:A:TYR:HE2	16	0.28
(1,1402)	1:85:A:ASN:HB2	1:124:A:THR:H	18	0.28
(1,1402)	1:85:A:ASN:HB3	1:124:A:THR:H	18	0.28
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	6	0.28
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	3	0.28
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	3	0.28
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	3	0.28
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	4	0.28
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	9	0.28
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	10	0.28
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	14	0.28
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD1	16	0.28
(1,1339)	1:95:A:HIS:HD2	1:96:A:TYR:HD2	16	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	10	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	10	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	10	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	10	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	10	0.28
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	10	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	10	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	10	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	10	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	10	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	10	0.28
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	10	0.28
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	13	0.28
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	17	0.28
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG11	13	0.28
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG12	13	0.28
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG13	13	0.28
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG11	13	0.28
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG12	13	0.28
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG13	13	0.28
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG11	13	0.28
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG12	13	0.28
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG13	13	0.28
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	3	0.28
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	10	0.28
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	13	0.28
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	18	0.28
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	18	0.28
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	20	0.28
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	20	0.28
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	20	0.28
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	20	0.28
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	20	0.28
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	20	0.28
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	8	0.28
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	13	0.28
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	5	0.28
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	2	0.28
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	18	0.28
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	18	0.28
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	18	0.28
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	18	0.28
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	18	0.28
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	18	0.28
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	18	0.28
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	18	0.28
(1,988)	1:85:A:ASN:HD21	1:117:A:LYS:HB2	4	0.28
(1,988)	1:85:A:ASN:HD21	1:117:A:LYS:HB3	4	0.28
(1,988)	1:85:A:ASN:HD22	1:117:A:LYS:HB2	4	0.28
(1,988)	1:85:A:ASN:HD22	1:117:A:LYS:HB3	4	0.28
(1,944)	1:26:A:ASN:H	1:26:A:ASN:HD21	4	0.28
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	6	0.28
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	19	0.28
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	5	0.28
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	5	0.28
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	16	0.28
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	16	0.28
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	13	0.28
(1,787)	1:39:A:SER:HB2	1:55:A:ILE:HB	13	0.28
(1,787)	1:39:A:SER:HB3	1:55:A:ILE:HB	13	0.28
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	8	0.28
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	8	0.28
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	8	0.28
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	8	0.28
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	10	0.28
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	10	0.28
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	10	0.28
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	13	0.28
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	13	0.28
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	13	0.28
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	16	0.28
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	2	0.28
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	2	0.28
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	2	0.28
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	15	0.28
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	15	0.28
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	19	0.28
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	19	0.28
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	16	0.28
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	16	0.28
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	16	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	1	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	1	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	1	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	1	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	1	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	1	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	2	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	2	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	2	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	2	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	2	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	2	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	4	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	4	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	4	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	4	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	4	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	6	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	6	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	6	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	6	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	6	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	6	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	11	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	11	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	11	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	11	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	11	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	11	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	18	0.28
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	18	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	18	0.28
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	18	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	18	0.28
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	18	0.28
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	15	0.28
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	15	0.28
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	15	0.28
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	18	0.28
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	18	0.28
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	10	0.28
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	10	0.28
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	14	0.28
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	14	0.28
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	6	0.28
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	6	0.28
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	6	0.28
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	6	0.28
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	6	0.28
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	6	0.28
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	3	0.28
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	3	0.28
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	8	0.28
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	8	0.28
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	15	0.28
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	15	0.28
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	15	0.28
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	15	0.28
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	15	0.28
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	15	0.28
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	15	0.28
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	15	0.28
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	15	0.28
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	15	0.28
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	15	0.28
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	15	0.28
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	15	0.28
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	15	0.28
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	15	0.28
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	15	0.28
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	15	0.28
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	15	0.28
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	15	0.28
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	15	0.28
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	15	0.28
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	15	0.28
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	15	0.28
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	15	0.28
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	15	0.28
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	15	0.28
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	15	0.28
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	15	0.28
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	15	0.28
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	15	0.28
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	15	0.28
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	15	0.28
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	15	0.28
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	15	0.28
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	15	0.28
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	15	0.28
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	15	0.28
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	15	0.28
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	15	0.28
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	9	0.28
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	11	0.28
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	1	0.27
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	1	0.27
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	3	0.27
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	3	0.27
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	3	0.27
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	19	0.27
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	8	0.27
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	7	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	2	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	2	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	2	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	2	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	2	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	2	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	2	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	2	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	2	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	2	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	2	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	2	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	2	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	2	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	2	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	2	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	2	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	2	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	5	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	5	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	5	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	5	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	5	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	5	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	5	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	5	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	5	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	5	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	5	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	5	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	5	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	5	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	5	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	5	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	5	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	5	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	13	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	13	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	13	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	13	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	13	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	13	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	13	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	13	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	13	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	13	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	13	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	13	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	13	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	13	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	13	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	13	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	13	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	13	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	14	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	14	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	14	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	14	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	14	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	14	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	14	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	14	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	14	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	14	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	14	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	14	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	14	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	14	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	14	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	14	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	14	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	14	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	16	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	16	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	16	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	16	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	16	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	16	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	16	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	16	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	16	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	16	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	16	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	16	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	16	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	16	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	16	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	16	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	16	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	16	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	19	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	19	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	19	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	19	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	19	0.27
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	19	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	19	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	19	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	19	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	19	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	19	0.27
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	19	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	19	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	19	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	19	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	19	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	19	0.27
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	19	0.27
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	1	0.27
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	6	0.27
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	17	0.27
(1,2722)	1:28:A:PHE:HE1	1:147:A:LYS:H	20	0.27
(1,2722)	1:28:A:PHE:HE2	1:147:A:LYS:H	20	0.27
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	20	0.27
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	13	0.27
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	13	0.27
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	13	0.27
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	13	0.27
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	13	0.27
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	14	0.27
(1,2605)	1:21:A:ILE:HA	1:25:A:GLN:HG2	8	0.27
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	13	0.27
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	1	0.27
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	1	0.27
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	7	0.27
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	7	0.27
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	9	0.27
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	9	0.27
(1,2559)	1:17:A:SER:HA	1:20:A:THR:HA	13	0.27
(1,2549)	1:165:A:LYS:H	1:165:A:LYS:HG2	1	0.27
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	3	0.27
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	3	0.27
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	9	0.27
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	9	0.27
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	9	0.27
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	14	0.27
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	14	0.27
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	14	0.27
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	18	0.27
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	18	0.27
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	18	0.27
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	19	0.27
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	19	0.27
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	19	0.27
(1,2503)	1:119:A:ASP:HB2	1:148:A:THR:HB	2	0.27
(1,2503)	1:119:A:ASP:HB3	1:148:A:THR:HB	2	0.27
(1,2495)	1:169:A:LYS:H	1:169:A:LYS:HB3	6	0.27
(1,2489)	1:58:A:THR:HB	1:71:A:TYR:HE1	20	0.27
(1,2489)	1:58:A:THR:HB	1:71:A:TYR:HE2	20	0.27
(1,2436)	1:76:A:GLU:HB3	1:163:A:ILE:HG12	17	0.27
(1,2436)	1:76:A:GLU:HB3	1:163:A:ILE:HG13	17	0.27
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	2	0.27
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	2	0.27
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	2	0.27
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	2	0.27
(1,2173)	1:147:A:LYS:HD2	2:201:A:GNP:HN1	10	0.27
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	7	0.27
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	8	0.27
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	14	0.27
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	17	0.27
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	17	0.27
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	19	0.27
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	19	0.27
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	19	0.27
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	19	0.27
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	19	0.27
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	19	0.27
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	17	0.27
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	8	0.27
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	17	0.27
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG21	19	0.27
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG22	19	0.27
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG23	19	0.27
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	7	0.27
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG2	13	0.27
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG3	13	0.27
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG2	20	0.27
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG3	20	0.27
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	5	0.27
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG11	13	0.27
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG12	13	0.27
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG13	13	0.27
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG21	13	0.27
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG22	13	0.27
(1,1716)	1:104:A:LYS:HE2	1:109:A:VAL:HG23	13	0.27
(1,1693)	1:72:A:MET:HB2	1:103:A:VAL:HA	18	0.27
(1,1693)	1:72:A:MET:HB3	1:103:A:VAL:HA	18	0.27
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	12	0.27
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	12	0.27
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	6	0.27
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	6	0.27
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	10	0.27
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	10	0.27
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	17	0.27
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	13	0.27
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	13	0.27
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	12	0.27
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	13	0.27
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	13	0.27
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	13	0.27
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	13	0.27
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	13	0.27
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	16	0.27
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	16	0.27
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	16	0.27
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD11	3	0.27
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD12	3	0.27
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD13	3	0.27
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD21	3	0.27
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD22	3	0.27
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD23	3	0.27
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD11	3	0.27
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD12	3	0.27
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD13	3	0.27
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD21	3	0.27
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD22	3	0.27
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD23	3	0.27
(1,1411)	1:5:A:LYS:HB2	1:76:A:GLU:HG3	9	0.27
(1,1411)	1:5:A:LYS:HB3	1:76:A:GLU:HG3	9	0.27
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	16	0.27
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	16	0.27
(1,1348)	1:73:A:ARG:HA	1:73:A:ARG:HD3	7	0.27
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	9	0.27
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	9	0.27
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	5	0.27
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	5	0.27
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	5	0.27
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	5	0.27
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	5	0.27
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	5	0.27
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	5	0.27
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	5	0.27
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	5	0.27
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	5	0.27
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	5	0.27
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	5	0.27
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	8	0.27
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	8	0.27
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	3	0.27
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	11	0.27
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	18	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	1	0.27
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	7	0.27
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	15	0.27
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	8	0.27
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	13	0.27
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	13	0.27
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	13	0.27
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	17	0.27
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	3	0.27
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	3	0.27
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	3	0.27
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	3	0.27
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	3	0.27
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	3	0.27
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	3	0.27
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	3	0.27
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	3	0.27
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	3	0.27
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	3	0.27
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	3	0.27
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	12	0.27
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	14	0.27
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD11	15	0.27
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD12	15	0.27
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD13	15	0.27
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD11	15	0.27
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD12	15	0.27
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD13	15	0.27
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	2	0.27
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	11	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	7	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	7	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	7	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	7	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	7	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	7	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	7	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	7	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	7	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	7	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	7	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	16	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	16	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	16	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	16	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	16	0.27
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	16	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	16	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	16	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	16	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	16	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	16	0.27
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	16	0.27
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	7	0.27
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	9	0.27
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	15	0.27
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	6	0.27
(1,876)	1:45:A:VAL:HG11	1:49:A:GLU:H	11	0.27
(1,876)	1:45:A:VAL:HG12	1:49:A:GLU:H	11	0.27
(1,876)	1:45:A:VAL:HG13	1:49:A:GLU:H	11	0.27
(1,876)	1:45:A:VAL:HG21	1:49:A:GLU:H	11	0.27
(1,876)	1:45:A:VAL:HG22	1:49:A:GLU:H	11	0.27
(1,876)	1:45:A:VAL:HG23	1:49:A:GLU:H	11	0.27
(1,876)	1:45:A:VAL:HG11	1:49:A:GLU:H	18	0.27
(1,876)	1:45:A:VAL:HG12	1:49:A:GLU:H	18	0.27
(1,876)	1:45:A:VAL:HG13	1:49:A:GLU:H	18	0.27
(1,876)	1:45:A:VAL:HG21	1:49:A:GLU:H	18	0.27
(1,876)	1:45:A:VAL:HG22	1:49:A:GLU:H	18	0.27
(1,876)	1:45:A:VAL:HG23	1:49:A:GLU:H	18	0.27
(1,876)	1:45:A:VAL:HG11	1:49:A:GLU:H	20	0.27
(1,876)	1:45:A:VAL:HG12	1:49:A:GLU:H	20	0.27
(1,876)	1:45:A:VAL:HG13	1:49:A:GLU:H	20	0.27
(1,876)	1:45:A:VAL:HG21	1:49:A:GLU:H	20	0.27
(1,876)	1:45:A:VAL:HG22	1:49:A:GLU:H	20	0.27
(1,876)	1:45:A:VAL:HG23	1:49:A:GLU:H	20	0.27
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	12	0.27
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	12	0.27
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	11	0.27
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	7	0.27
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	7	0.27
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	7	0.27
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	5	0.27
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,739)	1:46:A:ILE:HG12	1:47:A:ASP:H	7	0.27
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	11	0.27
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	11	0.27
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	11	0.27
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	16	0.27
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	16	0.27
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	18	0.27
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	2	0.27
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	1	0.27
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	1	0.27
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	1	0.27
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	18	0.27
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	18	0.27
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	1	0.27
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	1	0.27
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	8	0.27
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	8	0.27
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	8	0.27
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	8	0.27
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	8	0.27
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	8	0.27
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	13	0.27
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	13	0.27
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	13	0.27
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	13	0.27
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	13	0.27
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	13	0.27
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	4	0.27
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	4	0.27
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	4	0.27
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	17	0.27
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	17	0.27
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	13	0.27
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	13	0.27
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	13	0.27
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	13	0.27
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	13	0.27
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	13	0.27
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	3	0.27
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	3	0.27
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	3	0.27
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	19	0.27
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	8	0.27
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	8	0.27
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	8	0.27
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	14	0.27
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	14	0.27
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	14	0.27
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	3	0.27
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	8	0.27
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	20	0.27
(1,11)	1:107:A:GLU:H	1:109:A:VAL:HG11	9	0.27
(1,11)	1:107:A:GLU:H	1:109:A:VAL:HG12	9	0.27
(1,11)	1:107:A:GLU:H	1:109:A:VAL:HG13	9	0.27
(1,11)	1:107:A:GLU:H	1:109:A:VAL:HG21	9	0.27
(1,11)	1:107:A:GLU:H	1:109:A:VAL:HG22	9	0.27
(1,11)	1:107:A:GLU:H	1:109:A:VAL:HG23	9	0.27
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	1	0.27
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	1	0.27
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	1	0.27
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	18	0.26
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	18	0.26
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	18	0.26
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	13	0.26
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	17	0.26
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	13	0.26
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	14	0.26
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	1	0.26
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	20	0.26
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	13	0.26
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	13	0.26
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	13	0.26
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	20	0.26
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	5	0.26
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	5	0.26
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	5	0.26
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	7	0.26
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	17	0.26
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	20	0.26
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	6	0.26
(1,3128)	1:1:A:MET:HA	1:51:A:CYS:HA	13	0.26
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	11	0.26
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG2	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG3	14	0.26
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG2	14	0.26
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG3	14	0.26
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG2	20	0.26
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG3	20	0.26
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG2	20	0.26
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG3	20	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	1	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	1	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	1	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	1	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	1	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	1	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	1	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	1	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	1	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	1	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	1	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	1	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	1	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	1	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	1	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	1	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	1	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	1	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	17	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	17	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	17	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	17	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	17	0.26
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	17	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	17	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	17	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	17	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	17	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	17	0.26
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	17	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	17	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	17	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	17	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	17	0.26
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	17	0.26
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	9	0.26
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	15	0.26
(1,2911)	1:48:A:GLY:H	1:49:A:GLU:HB2	15	0.26
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	3	0.26
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	8	0.26
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	8	0.26
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	8	0.26
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	18	0.26
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	18	0.26
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	18	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	6	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	6	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	6	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	10	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	10	0.26
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	10	0.26
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	6	0.26
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	8	0.26
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	8	0.26
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	8	0.26
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	8	0.26
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	8	0.26
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	8	0.26
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	8	0.26
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	8	0.26
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	8	0.26
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	8	0.26
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	8	0.26
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	8	0.26
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	3	0.26
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	20	0.26
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	20	0.26
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	20	0.26
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	20	0.26
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	20	0.26
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	20	0.26
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	20	0.26
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	20	0.26
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	20	0.26
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	20	0.26
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	20	0.26
(1,2543)	1:123:A:ARG:HB2	1:123:A:ARG:HE	3	0.26
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	11	0.26
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	15	0.26
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	16	0.26
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	19	0.26
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	19	0.26
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	13	0.26
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	13	0.26
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	16	0.26
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	16	0.26
(1,2426)	1:110:A:PRO:HG3	1:163:A:ILE:HA	9	0.26
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	4	0.26
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	1	0.26
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	5	0.26
(1,2283)	1:144:A:THR:HA	1:150:A:GLN:HB3	9	0.26
(1,2268)	1:150:A:GLN:HG3	1:151:A:GLY:H	19	0.26
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	1	0.26
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	1	0.26
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	1	0.26
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG21	19	0.26
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG22	19	0.26
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG23	19	0.26
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	13	0.26
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	2	0.26
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	2	0.26
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	2	0.26
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	11	0.26
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	11	0.26
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	11	0.26
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	11	0.26
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	18	0.26
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	18	0.26
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	18	0.26
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD21	18	0.26
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD22	18	0.26
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD23	18	0.26
(1,2056)	1:126:A:ASP:HB2	1:129:A:GLN:HG2	4	0.26
(1,2056)	1:126:A:ASP:HB3	1:129:A:GLN:HG2	4	0.26
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	17	0.26
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	17	0.26
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	17	0.26
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	17	0.26
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	17	0.26
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	19	0.26
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	19	0.26
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	19	0.26
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	19	0.26
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG21	2	0.26
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG22	2	0.26
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG23	2	0.26
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG21	2	0.26
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG22	2	0.26
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG23	2	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	1	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	1	0.26
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	1	0.26
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	1	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	6	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	6	0.26
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	6	0.26
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	6	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	7	0.26
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	7	0.26
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	7	0.26
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	7	0.26
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	5	0.26
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	11	0.26
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	19	0.26
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	17	0.26
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	17	0.26
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	17	0.26
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	10	0.26
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	10	0.26
(1,1699)	1:72:A:MET:HG2	1:103:A:VAL:HB	18	0.26
(1,1699)	1:72:A:MET:HG3	1:103:A:VAL:HB	18	0.26
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	3	0.26
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	3	0.26
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	6	0.26
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	6	0.26
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	10	0.26
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	10	0.26
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	5	0.26
(1,1591)	1:94:A:HIS:HB3	1:97:A:ARG:HD3	7	0.26
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	17	0.26
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	9	0.26
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	9	0.26
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	9	0.26
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	9	0.26
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	9	0.26
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	9	0.26
(1,1375)	1:149:A:ARG:HB2	1:149:A:ARG:HE	6	0.26
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	7	0.26
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	7	0.26
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	17	0.26
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	12	0.26
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	12	0.26
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	12	0.26
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	12	0.26
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	12	0.26
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	12	0.26
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	12	0.26
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	12	0.26
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	12	0.26
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	12	0.26
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	12	0.26
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	12	0.26
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	2	0.26
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	2	0.26
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	2	0.26
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	2	0.26
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	2	0.26
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	2	0.26
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	17	0.26
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	16	0.26
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	16	0.26
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	16	0.26
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	9	0.26
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	9	0.26
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	9	0.26
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	19	0.26
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	19	0.26
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	19	0.26
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	19	0.26
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	19	0.26
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	19	0.26
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	19	0.26
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	19	0.26
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	19	0.26
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	19	0.26
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	19	0.26
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	7	0.26
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	17	0.26
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	17	0.26
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	14	0.26
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	14	0.26
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	6	0.26
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	6	0.26
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	6	0.26
(1,954)	1:43:A:GLN:HA	1:43:A:GLN:HE21	11	0.26
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	20	0.26
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	18	0.26
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	18	0.26
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	18	0.26
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	3	0.26
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	3	0.26
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	12	0.26
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	12	0.26
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	12	0.26
(1,876)	1:45:A:VAL:HG11	1:49:A:GLU:H	2	0.26
(1,876)	1:45:A:VAL:HG12	1:49:A:GLU:H	2	0.26
(1,876)	1:45:A:VAL:HG13	1:49:A:GLU:H	2	0.26
(1,876)	1:45:A:VAL:HG21	1:49:A:GLU:H	2	0.26
(1,876)	1:45:A:VAL:HG22	1:49:A:GLU:H	2	0.26
(1,876)	1:45:A:VAL:HG23	1:49:A:GLU:H	2	0.26
(1,876)	1:45:A:VAL:HG11	1:49:A:GLU:H	17	0.26
(1,876)	1:45:A:VAL:HG12	1:49:A:GLU:H	17	0.26
(1,876)	1:45:A:VAL:HG13	1:49:A:GLU:H	17	0.26
(1,876)	1:45:A:VAL:HG21	1:49:A:GLU:H	17	0.26
(1,876)	1:45:A:VAL:HG22	1:49:A:GLU:H	17	0.26
(1,876)	1:45:A:VAL:HG23	1:49:A:GLU:H	17	0.26
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	6	0.26
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	6	0.26
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	6	0.26
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	1	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	11	0.26
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	17	0.26
(1,757)	1:38:A:ASP:HA	1:39:A:SER:H	9	0.26
(1,698)	1:86:A:ASN:HB2	1:89:A:SER:H	5	0.26
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	8	0.26
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	8	0.26
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	8	0.26
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	8	0.26
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	8	0.26
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	8	0.26
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	8	0.26
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	8	0.26
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	8	0.26
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	8	0.26
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	8	0.26
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	8	0.26
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	10	0.26
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	4	0.26
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	4	0.26
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	4	0.26
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	11	0.26
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	11	0.26
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	11	0.26
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD1	9	0.26
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD2	9	0.26
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD1	9	0.26
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD2	9	0.26
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD1	9	0.26
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD2	9	0.26
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	8	0.26
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	8	0.26
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	8	0.26
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	13	0.26
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	13	0.26
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	13	0.26
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	17	0.26
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	17	0.26
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	17	0.26
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	17	0.26
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	17	0.26
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	17	0.26
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	10	0.26
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	6	0.26
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	6	0.26
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	10	0.26
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	10	0.26
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	10	0.26
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	10	0.26
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	10	0.26
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	10	0.26
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	12	0.26
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	12	0.26
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	12	0.26
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	12	0.26
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	12	0.26
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	12	0.26
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	14	0.26
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	9	0.26
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	14	0.26
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	14	0.26
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	14	0.26
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	14	0.26
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	14	0.26
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	16	0.26
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	16	0.26
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	16	0.26
(1,149)	1:28:A:PHE:HE1	2:201:A:GNP:H8	5	0.26
(1,149)	1:28:A:PHE:HE2	2:201:A:GNP:H8	5	0.26
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	7	0.26
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	7	0.26
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	7	0.26
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	7	0.26
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	7	0.26
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	7	0.26
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	7	0.26
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	14	0.26
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG11	9	0.26
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG12	9	0.26
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG13	9	0.26
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG21	9	0.26
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG22	9	0.26
(1,37)	1:106:A:SER:H	1:109:A:VAL:HG23	9	0.26
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	13	0.26
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	13	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	19	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	19	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	19	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	19	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	19	0.26
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	19	0.26
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	19	0.26
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	19	0.26
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	19	0.26
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	19	0.26
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	19	0.26
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	19	0.26
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	19	0.26
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	19	0.26
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	19	0.26
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	19	0.26
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	19	0.26
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	19	0.26
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	19	0.26
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	19	0.26
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	19	0.26
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	19	0.26
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	19	0.26
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	19	0.26
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	19	0.26
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	19	0.26
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	19	0.26
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	19	0.26
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	19	0.26
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	19	0.26
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	19	0.26
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	19	0.26
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	19	0.26
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	19	0.26
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	19	0.26
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	19	0.26
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	14	0.26
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	14	0.26
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	14	0.26
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	14	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	14	0.26
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	14	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	1	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	2	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	4	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	5	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	9	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	11	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	12	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	13	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	16	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	18	0.26
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	19	0.26
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	20	0.25
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	9	0.25
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD1	13	0.25
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD2	13	0.25
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	11	0.25
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	11	0.25
(1,3199)	1:46:A:ILE:HB	1:48:A:GLY:H	8	0.25
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	20	0.25
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	20	0.25
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	8	0.25
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	8	0.25
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	8	0.25
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	8	0.25
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	11	0.25
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	15	0.25
(1,3116)	1:85:A:ASN:HB2	1:124:A:THR:H	10	0.25
(1,3102)	1:123:A:ARG:HG2	1:125:A:VAL:H	20	0.25
(1,3102)	1:123:A:ARG:HG3	1:125:A:VAL:H	20	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	3	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	3	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	3	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	3	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	3	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	3	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	3	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	3	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	3	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	3	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	3	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	3	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	3	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	3	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	3	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	3	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	3	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	3	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	4	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	4	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	4	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	4	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	4	0.25
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	4	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	4	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	4	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	4	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	4	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	4	0.25
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	4	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	4	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	4	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	4	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	4	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	4	0.25
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	4	0.25
(1,3063)	1:45:A:VAL:HB	1:48:A:GLY:H	6	0.25
(1,3063)	1:45:A:VAL:HB	1:48:A:GLY:H	9	0.25
(1,3063)	1:45:A:VAL:HB	1:48:A:GLY:H	15	0.25
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	6	0.25
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	10	0.25
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	13	0.25
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	20	0.25
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	14	0.25
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	16	0.25
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	20	0.25
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	20	0.25
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	14	0.25
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	14	0.25
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	14	0.25
(1,2788)	1:116:A:ASN:HA	1:145:A:SER:H	2	0.25
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	9	0.25
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	9	0.25
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	12	0.25
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	12	0.25
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	12	0.25
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	12	0.25
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	12	0.25
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	12	0.25
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	10	0.25
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	10	0.25
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	3	0.25
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	3	0.25
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	3	0.25
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD1	8	0.25
(1,2647)	1:72:A:MET:HE1	1:96:A:TYR:HD2	8	0.25
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD1	8	0.25
(1,2647)	1:72:A:MET:HE2	1:96:A:TYR:HD2	8	0.25
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD1	8	0.25
(1,2647)	1:72:A:MET:HE3	1:96:A:TYR:HD2	8	0.25
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	10	0.25
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	10	0.25
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	10	0.25
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	10	0.25
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	10	0.25
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	10	0.25
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	19	0.25
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	19	0.25
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	19	0.25
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	19	0.25
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	19	0.25
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	19	0.25
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	19	0.25
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	19	0.25
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	19	0.25
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	19	0.25
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	19	0.25
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	19	0.25
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	4	0.25
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	4	0.25
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	11	0.25
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	11	0.25
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	10	0.25
(1,2502)	1:119:A:ASP:HB2	1:148:A:THR:HB	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2502)	1:119:A:ASP:HB3	1:148:A:THR:HB	1	0.25
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD2	20	0.25
(1,2491)	1:169:A:LYS:HA	1:169:A:LYS:HD3	20	0.25
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	16	0.25
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	5	0.25
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	5	0.25
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	5	0.25
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	11	0.25
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	20	0.25
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	20	0.25
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	18	0.25
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	18	0.25
(1,2353)	1:123:A:ARG:HE	1:126:A:ASP:HA	8	0.25
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	16	0.25
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	5	0.25
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG21	2	0.25
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG22	2	0.25
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG23	2	0.25
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG21	2	0.25
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG22	2	0.25
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG23	2	0.25
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	6	0.25
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	6	0.25
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	6	0.25
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	8	0.25
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	8	0.25
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	8	0.25
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	9	0.25
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	5	0.25
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	7	0.25
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	17	0.25
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	17	0.25
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	17	0.25
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	17	0.25
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	17	0.25
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	17	0.25
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	17	0.25
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	17	0.25
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	17	0.25
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	17	0.25
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	17	0.25
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG21	12	0.25
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG22	12	0.25
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG23	12	0.25
(1,2087)	1:153:A:ASP:HA	1:155:A:ALA:H	5	0.25
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	7	0.25
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	7	0.25
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	7	0.25
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	7	0.25
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	7	0.25
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	7	0.25
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	15	0.25
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	15	0.25
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	15	0.25
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	15	0.25
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	15	0.25
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	15	0.25
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	18	0.25
(1,1837)	1:77:A:GLY:HA3	1:111:A:MET:HA	10	0.25
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	6	0.25
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	14	0.25
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	14	0.25
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	14	0.25
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	14	0.25
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	14	0.25
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	14	0.25
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	7	0.25
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	7	0.25
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	7	0.25
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	7	0.25
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	4	0.25
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	4	0.25
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	15	0.25
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	15	0.25
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	11	0.25
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	11	0.25
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	4	0.25
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	4	0.25
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	6	0.25
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	6	0.25
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	11	0.25
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	2	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	1	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	7	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	7	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	11	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	11	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	12	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	12	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	13	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	13	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	14	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	14	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	18	0.25
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	18	0.25
(1,1503)	1:125:A:VAL:HG11	1:129:A:GLN:HB2	18	0.25
(1,1503)	1:125:A:VAL:HG12	1:129:A:GLN:HB2	18	0.25
(1,1503)	1:125:A:VAL:HG13	1:129:A:GLN:HB2	18	0.25
(1,1503)	1:125:A:VAL:HG21	1:129:A:GLN:HB2	18	0.25
(1,1503)	1:125:A:VAL:HG22	1:129:A:GLN:HB2	18	0.25
(1,1503)	1:125:A:VAL:HG23	1:129:A:GLN:HB2	18	0.25
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE1	7	0.25
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE2	7	0.25
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE1	7	0.25
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE2	7	0.25
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE1	7	0.25
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE2	7	0.25
(1,1389)	1:75:A:GLY:HA2	1:76:A:GLU:HG2	20	0.25
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	14	0.25
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	14	0.25
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	14	0.25
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	14	0.25
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	14	0.25
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	14	0.25
(1,1371)	1:98:A:GLU:HG2	1:99:A:GLN:H	4	0.25
(1,1371)	1:98:A:GLU:HG3	1:99:A:GLN:H	4	0.25
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	13	0.25
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	13	0.25
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	13	0.25
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	13	0.25
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	13	0.25
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	13	0.25
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	13	0.25
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	13	0.25
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	13	0.25
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	13	0.25
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	13	0.25
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD11	2	0.25
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD12	2	0.25
(1,1329)	1:138:A:GLY:H	1:139:A:ILE:HD13	2	0.25
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	4	0.25
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	4	0.25
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	19	0.25
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	19	0.25
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	4	0.25
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	4	0.25
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	20	0.25
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	20	0.25
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	20	0.25
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	20	0.25
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	7	0.25
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	20	0.25
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	13	0.25
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	13	0.25
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	13	0.25
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	13	0.25
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	19	0.25
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	5	0.25
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	5	0.25
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	5	0.25
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	19	0.25
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	19	0.25
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	19	0.25
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	4	0.25
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	15	0.25
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	4	0.25
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	13	0.25
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	12	0.25
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	2	0.25
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	16	0.25
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	16	0.25
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	16	0.25
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	16	0.25
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	16	0.25
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	10	0.25
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	12	0.25
(1,936)	1:24:A:ILE:HG21	1:25:A:GLN:HE21	6	0.25
(1,936)	1:24:A:ILE:HG22	1:25:A:GLN:HE21	6	0.25
(1,936)	1:24:A:ILE:HG23	1:25:A:GLN:HE21	6	0.25
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	9	0.25
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	9	0.25
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	1	0.25
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	1	0.25
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	3	0.25
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	3	0.25
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	3	0.25
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	8	0.25
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	8	0.25
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	8	0.25
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	20	0.25
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	5	0.25
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	19	0.25
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	9	0.25
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	20	0.25
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	11	0.25
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	11	0.25
(1,420)	1:21:A:ILE:HG21	1:25:A:GLN:HG2	15	0.25
(1,420)	1:21:A:ILE:HG22	1:25:A:GLN:HG2	15	0.25
(1,420)	1:21:A:ILE:HG23	1:25:A:GLN:HG2	15	0.25
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	9	0.25
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	9	0.25
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	9	0.25
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	15	0.25
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	15	0.25
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	15	0.25
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	13	0.25
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	3	0.25
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	3	0.25
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	19	0.25
(1,219)	1:85:A:ASN:H	1:124:A:THR:H	14	0.25
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	1	0.25
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	1	0.25
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	2	0.25
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	2	0.25
(1,179)	1:19:A:LEU:HD11	1:81:A:VAL:HA	2	0.25
(1,179)	1:19:A:LEU:HD12	1:81:A:VAL:HA	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:19:A:LEU:HD13	1:81:A:VAL:HA	2	0.25
(1,179)	1:19:A:LEU:HD21	1:81:A:VAL:HA	2	0.25
(1,179)	1:19:A:LEU:HD22	1:81:A:VAL:HA	2	0.25
(1,179)	1:19:A:LEU:HD23	1:81:A:VAL:HA	2	0.25
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	3	0.25
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	3	0.25
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	3	0.25
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	20	0.25
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	20	0.25
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	20	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	2	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	2	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	2	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	3	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	3	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	3	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	4	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	4	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	4	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	5	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	5	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	5	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	6	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	6	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	6	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	7	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	7	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	7	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	8	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	8	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	8	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	9	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	9	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	9	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	10	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	10	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	10	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	12	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	12	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	12	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	14	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	14	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	15	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	15	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	15	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	16	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	16	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	16	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	17	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	17	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	17	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	19	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	19	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	19	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	20	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	20	0.25
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	20	0.25
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	7	0.25
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	10	0.25
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	8	0.24
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	8	0.24
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	8	0.24
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	3	0.24
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	7	0.24
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	16	0.24
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	15	0.24
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	15	0.24
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	15	0.24
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	15	0.24
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	15	0.24
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	15	0.24
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	16	0.24
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	16	0.24
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	16	0.24
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	11	0.24
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	11	0.24
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	1	0.24
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	2	0.24
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	4	0.24
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	7	0.24
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	14	0.24
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	15	0.24
(1,3172)	1:41:A:ARG:HA	1:41:A:ARG:HE	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	13	0.24
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	18	0.24
(1,3116)	1:85:A:ASN:HB2	1:124:A:THR:H	18	0.24
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	3	0.24
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	4	0.24
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	4	0.24
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	4	0.24
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	4	0.24
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG11	8	0.24
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG12	8	0.24
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG13	8	0.24
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	12	0.24
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	12	0.24
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	12	0.24
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	12	0.24
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	12	0.24
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	13	0.24
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	13	0.24
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	18	0.24
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	18	0.24
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	18	0.24
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB1	20	0.24
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB2	20	0.24
(1,2741)	1:22:A:GLN:HE21	1:146:A:ALA:HB3	20	0.24
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB1	20	0.24
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB2	20	0.24
(1,2741)	1:22:A:GLN:HE22	1:146:A:ALA:HB3	20	0.24
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	11	0.24
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	11	0.24
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	11	0.24
(1,2706)	1:134:A:ALA:HB1	1:139:A:ILE:H	11	0.24
(1,2706)	1:134:A:ALA:HB2	1:139:A:ILE:H	11	0.24
(1,2706)	1:134:A:ALA:HB3	1:139:A:ILE:H	11	0.24
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	7	0.24
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	7	0.24
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	8	0.24
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	8	0.24
(1,2663)	1:1:A:MET:HE1	1:43:A:GLN:HE22	7	0.24
(1,2663)	1:1:A:MET:HE2	1:43:A:GLN:HE22	7	0.24
(1,2663)	1:1:A:MET:HE3	1:43:A:GLN:HE22	7	0.24
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	13	0.24
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	13	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	12	0.24
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	9	0.24
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	5	0.24
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	5	0.24
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	5	0.24
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	6	0.24
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	6	0.24
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	6	0.24
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	11	0.24
(1,2501)	1:159:A:LEU:HD11	1:163:A:ILE:H	9	0.24
(1,2501)	1:159:A:LEU:HD12	1:163:A:ILE:H	9	0.24
(1,2501)	1:159:A:LEU:HD13	1:163:A:ILE:H	9	0.24
(1,2501)	1:159:A:LEU:HD21	1:163:A:ILE:H	9	0.24
(1,2501)	1:159:A:LEU:HD22	1:163:A:ILE:H	9	0.24
(1,2501)	1:159:A:LEU:HD23	1:163:A:ILE:H	9	0.24
(1,2468)	1:165:A:LYS:HA	1:165:A:LYS:HD2	5	0.24
(1,2468)	1:165:A:LYS:HA	1:165:A:LYS:HD3	5	0.24
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	14	0.24
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	14	0.24
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	10	0.24
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	3	0.24
(1,2426)	1:110:A:PRO:HG3	1:163:A:ILE:HA	5	0.24
(1,2426)	1:110:A:PRO:HG3	1:163:A:ILE:HA	17	0.24
(1,2426)	1:110:A:PRO:HG3	1:163:A:ILE:HA	19	0.24
(1,2426)	1:110:A:PRO:HG3	1:163:A:ILE:HA	20	0.24
(1,2405)	1:165:A:LYS:HA	1:165:A:LYS:HB3	13	0.24
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	18	0.24
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	18	0.24
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	18	0.24
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	18	0.24
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	18	0.24
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	18	0.24
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	19	0.24
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	19	0.24
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	19	0.24
(1,2280)	1:144:A:THR:HA	1:151:A:GLY:HA2	1	0.24
(1,2280)	1:144:A:THR:HA	1:151:A:GLY:HA2	12	0.24
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	14	0.24
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	12	0.24
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	12	0.24
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	4	0.24
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	4	0.24
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	5	0.24
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	5	0.24
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	5	0.24
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	19	0.24
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	19	0.24
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	19	0.24
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	1	0.24
(1,2112)	1:3:A:GLU:HA	1:51:A:CYS:HB2	1	0.24
(1,2087)	1:153:A:ASP:HA	1:155:A:ALA:H	13	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	5	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	5	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	5	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	5	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	5	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	5	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	5	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	5	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	5	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	11	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	11	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	11	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	11	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	11	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	11	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	11	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	11	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	11	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	18	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	18	0.24
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	18	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	18	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	18	0.24
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	18	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	18	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	18	0.24
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	18	0.24
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	12	0.24
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	12	0.24
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	12	0.24
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	12	0.24
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	12	0.24
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	4	0.24
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD2	10	0.24
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD3	10	0.24
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	9	0.24
(1,1965)	1:123:A:ARG:HD2	1:124:A:THR:HA	5	0.24
(1,1965)	1:123:A:ARG:HD3	1:124:A:THR:HA	5	0.24
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	5	0.24
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	4	0.24
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	4	0.24
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	4	0.24
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	4	0.24
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	4	0.24
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	4	0.24
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	4	0.24
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	4	0.24
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	4	0.24
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	4	0.24
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	4	0.24
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	4	0.24
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	8	0.24
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	10	0.24
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	17	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	1	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	1	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	7	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	7	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	11	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	11	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	16	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	16	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	19	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	19	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	20	0.24
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	20	0.24
(1,1682)	1:102:A:ARG:HB3	1:102:A:ARG:HD3	14	0.24
(1,1583)	1:93:A:ILE:HG21	1:137:A:TYR:HE1	15	0.24
(1,1583)	1:93:A:ILE:HG21	1:137:A:TYR:HE2	15	0.24
(1,1583)	1:93:A:ILE:HG22	1:137:A:TYR:HE1	15	0.24
(1,1583)	1:93:A:ILE:HG22	1:137:A:TYR:HE2	15	0.24
(1,1583)	1:93:A:ILE:HG23	1:137:A:TYR:HE1	15	0.24
(1,1583)	1:93:A:ILE:HG23	1:137:A:TYR:HE2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	3	0.24
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	3	0.24
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG2	5	0.24
(1,1540)	1:88:A:LYS:H	1:88:A:LYS:HG3	5	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	20	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	20	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	20	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	20	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	20	0.24
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	20	0.24
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	2	0.24
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	2	0.24
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	11	0.24
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	11	0.24
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE1	18	0.24
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE2	18	0.24
(1,1481)	1:14:A:VAL:HA	1:83:A:ALA:HA	12	0.24
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	19	0.24
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	19	0.24
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	19	0.24
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	19	0.24
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	19	0.24
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	19	0.24
(1,1337)	1:102:A:ARG:HB3	1:102:A:ARG:HD2	8	0.24
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	15	0.24
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	15	0.24
(1,1272)	1:9:A:VAL:HG11	1:96:A:TYR:H	8	0.24
(1,1272)	1:9:A:VAL:HG12	1:96:A:TYR:H	8	0.24
(1,1272)	1:9:A:VAL:HG13	1:96:A:TYR:H	8	0.24
(1,1272)	1:9:A:VAL:HG21	1:96:A:TYR:H	8	0.24
(1,1272)	1:9:A:VAL:HG22	1:96:A:TYR:H	8	0.24
(1,1272)	1:9:A:VAL:HG23	1:96:A:TYR:H	8	0.24
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	5	0.24
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	10	0.24
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	10	0.24
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	10	0.24
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	10	0.24
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	10	0.24
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	15	0.24
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	18	0.24
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	11	0.24
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	19	0.24
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	19	0.24
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	3	0.24
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	3	0.24
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	3	0.24
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	3	0.24
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	3	0.24
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	3	0.24
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	3	0.24
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	6	0.24
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	6	0.24
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	6	0.24
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	20	0.24
(1,1107)	1:1:A:MET:HG3	1:51:A:CYS:HB3	15	0.24
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	13	0.24
(1,979)	1:88:A:LYS:HA	1:91:A:GLU:H	5	0.24
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	20	0.24
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	18	0.24
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	2	0.24
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	17	0.24
(1,926)	1:24:A:ILE:HG21	1:25:A:GLN:HE22	3	0.24
(1,926)	1:24:A:ILE:HG22	1:25:A:GLN:HE22	3	0.24
(1,926)	1:24:A:ILE:HG23	1:25:A:GLN:HE22	3	0.24
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD1	12	0.24
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD2	12	0.24
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	14	0.24
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	4	0.24
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	7	0.24
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	4	0.24
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	4	0.24
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	2	0.24
(1,740)	1:64:A:TYR:HA	1:65:A:SER:H	20	0.24
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	9	0.24
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	9	0.24
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	9	0.24
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	6	0.24
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	6	0.24
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	6	0.24
(1,691)	1:14:A:VAL:HG11	1:89:A:SER:HA	12	0.24
(1,691)	1:14:A:VAL:HG12	1:89:A:SER:HA	12	0.24
(1,691)	1:14:A:VAL:HG13	1:89:A:SER:HA	12	0.24
(1,691)	1:14:A:VAL:HG21	1:89:A:SER:HA	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,691)	1:14:A:VAL:HG22	1:89:A:SER:HA	12	0.24
(1,691)	1:14:A:VAL:HG23	1:89:A:SER:HA	12	0.24
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	1	0.24
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	1	0.24
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	1	0.24
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	8	0.24
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	8	0.24
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	8	0.24
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD2	6	0.24
(1,628)	1:123:A:ARG:H	1:123:A:ARG:HD3	6	0.24
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	1	0.24
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	4	0.24
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	8	0.24
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	17	0.24
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	18	0.24
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	1	0.24
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	20	0.24
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	20	0.24
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	20	0.24
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	12	0.24
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	16	0.24
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	7	0.24
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	7	0.24
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	6	0.24
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	16	0.24
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	3	0.24
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	3	0.24
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	3	0.24
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	3	0.24
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	3	0.24
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	3	0.24
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	4	0.24
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	14	0.24
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	14	0.24
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	5	0.24
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	5	0.24
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	13	0.24
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	9	0.24
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	20	0.24
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG21	11	0.24
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG22	11	0.24
(1,36)	1:111:A:MET:HB2	1:139:A:ILE:HG23	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	4	0.24
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	4	0.24
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	4	0.24
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	4	0.24
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	4	0.24
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	4	0.24
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	4	0.24
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	4	0.24
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	4	0.24
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	4	0.24
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	4	0.24
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	4	0.24
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	4	0.24
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	4	0.24
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	4	0.24
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	4	0.24
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	4	0.24
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	4	0.24
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	4	0.24
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	4	0.24
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	4	0.24
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	4	0.24
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	4	0.24
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	4	0.24
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	4	0.24
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	4	0.24
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	4	0.24
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	4	0.24
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	4	0.24
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	4	0.24
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	4	0.24
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	4	0.24
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	4	0.24
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	4	0.24
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	4	0.24
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	4	0.24
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	14	0.24
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	8	0.24
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	8	0.24
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	8	0.24
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	11	0.24
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	11	0.24
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	7	0.23
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	15	0.23
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	15	0.23
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	15	0.23
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	15	0.23
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	15	0.23
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	15	0.23
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	15	0.23
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	15	0.23
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	15	0.23
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	15	0.23
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	15	0.23
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	15	0.23
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	3	0.23
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	7	0.23
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD1	19	0.23
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD2	19	0.23
(1,3184)	1:132:A:ASP:HB2	1:135:A:ARG:HE	1	0.23
(1,3184)	1:132:A:ASP:HB3	1:135:A:ARG:HE	1	0.23
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	3	0.23
(1,3125)	1:58:A:THR:HG21	1:68:A:ARG:HE	2	0.23
(1,3125)	1:58:A:THR:HG22	1:68:A:ARG:HE	2	0.23
(1,3125)	1:58:A:THR:HG23	1:68:A:ARG:HE	2	0.23
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE1	18	0.23
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE2	18	0.23
(1,2913)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	15	0.23
(1,2913)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	15	0.23
(1,2879)	1:135:A:ARG:HA	1:138:A:GLY:H	12	0.23
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	20	0.23
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	20	0.23
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	20	0.23
(1,2797)	1:143:A:GLU:HG2	1:144:A:THR:H	3	0.23
(1,2797)	1:143:A:GLU:HG3	1:144:A:THR:H	3	0.23
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	7	0.23
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	8	0.23
(1,2709)	1:27:A:HIS:H	1:27:A:HIS:HE1	18	0.23
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	8	0.23
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	17	0.23
(1,2663)	1:1:A:MET:HE1	1:43:A:GLN:HE22	4	0.23
(1,2663)	1:1:A:MET:HE2	1:43:A:GLN:HE22	4	0.23
(1,2663)	1:1:A:MET:HE3	1:43:A:GLN:HE22	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	4	0.23
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	4	0.23
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	5	0.23
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	5	0.23
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	5	0.23
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	5	0.23
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	5	0.23
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	5	0.23
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	5	0.23
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	5	0.23
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	5	0.23
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	5	0.23
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	5	0.23
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	5	0.23
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	17	0.23
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	13	0.23
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	13	0.23
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	17	0.23
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	17	0.23
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	11	0.23
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	11	0.23
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	11	0.23
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	15	0.23
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	15	0.23
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	15	0.23
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	15	0.23
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	3	0.23
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	5	0.23
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	5	0.23
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	5	0.23
(1,2487)	1:168:A:GLU:H	1:168:A:GLU:HG3	15	0.23
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	12	0.23
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	12	0.23
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	1	0.23
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	1	0.23
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	6	0.23
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	6	0.23
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	8	0.23
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	18	0.23
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	9	0.23
(1,2405)	1:165:A:LYS:HA	1:165:A:LYS:HB3	1	0.23
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	19	0.23
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	19	0.23
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	19	0.23
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	19	0.23
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	19	0.23
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	19	0.23
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	19	0.23
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	19	0.23
(1,2359)	1:140:A:PRO:HG2	1:158:A:THR:HG21	17	0.23
(1,2359)	1:140:A:PRO:HG2	1:158:A:THR:HG22	17	0.23
(1,2359)	1:140:A:PRO:HG2	1:158:A:THR:HG23	17	0.23
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	9	0.23
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	9	0.23
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	1	0.23
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	11	0.23
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	11	0.23
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	11	0.23
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	4	0.23
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	4	0.23
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	4	0.23
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	10	0.23
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	10	0.23
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	10	0.23
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	8	0.23
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	6	0.23
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	6	0.23
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	6	0.23
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	19	0.23
(1,2086)	1:132:A:ASP:HA	1:135:A:ARG:HD2	5	0.23
(1,2086)	1:132:A:ASP:HA	1:135:A:ARG:HD3	5	0.23
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	16	0.23
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	14	0.23
(1,2037)	1:129:A:GLN:HA	1:132:A:ASP:HB3	9	0.23
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	13	0.23
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	13	0.23
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	13	0.23
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG2	1	0.23
(1,2005)	1:126:A:ASP:HB2	1:128:A:LYS:HG3	1	0.23
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG2	1	0.23
(1,2005)	1:126:A:ASP:HB3	1:128:A:LYS:HG3	1	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	3	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	3	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	13	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	13	0.23
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	13	0.23
(1,1811)	1:109:A:VAL:HG11	1:111:A:MET:HG3	15	0.23
(1,1811)	1:109:A:VAL:HG12	1:111:A:MET:HG3	15	0.23
(1,1811)	1:109:A:VAL:HG13	1:111:A:MET:HG3	15	0.23
(1,1811)	1:109:A:VAL:HG21	1:111:A:MET:HG3	15	0.23
(1,1811)	1:109:A:VAL:HG22	1:111:A:MET:HG3	15	0.23
(1,1811)	1:109:A:VAL:HG23	1:111:A:MET:HG3	15	0.23
(1,1797)	1:115:A:GLY:H	1:141:A:PHE:HZ	10	0.23
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	20	0.23
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	20	0.23
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	20	0.23
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	20	0.23
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	20	0.23
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	20	0.23
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	14	0.23
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	1	0.23
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	1	0.23
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	1	0.23
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	1	0.23
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	19	0.23
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	19	0.23
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	15	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	5	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	5	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	9	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	9	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	13	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	13	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	18	0.23
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	18	0.23
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG2	1	0.23
(1,1688)	1:99:A:GLN:HA	1:102:A:ARG:HG3	1	0.23
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	6	0.23
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	7	0.23
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	7	0.23
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	14	0.23
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	14	0.23
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	14	0.23
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	14	0.23
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	14	0.23
(1,1609)	1:96:A:TYR:HB2	1:97:A:ARG:HB3	6	0.23
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	9	0.23
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	3	0.23
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	3	0.23
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG2	2	0.23
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG3	2	0.23
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	16	0.23
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE1	18	0.23
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE2	18	0.23
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE1	18	0.23
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE2	18	0.23
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE1	18	0.23
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE2	18	0.23
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	15	0.23
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	19	0.23
(1,1393)	1:75:A:GLY:HA3	1:76:A:GLU:HG2	20	0.23
(1,1392)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	13	0.23
(1,1392)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	13	0.23
(1,1392)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	13	0.23
(1,1392)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	18	0.23
(1,1392)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	18	0.23
(1,1392)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	18	0.23
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	18	0.23
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	2	0.23
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	2	0.23
(1,1330)	1:95:A:HIS:HD2	1:96:A:TYR:H	13	0.23
(1,1330)	1:95:A:HIS:HD2	1:96:A:TYR:H	14	0.23
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	13	0.23
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	13	0.23
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	19	0.23
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	19	0.23
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	1	0.23
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	11	0.23
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	8	0.23
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	2	0.23
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	2	0.23
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	2	0.23
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	2	0.23
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	2	0.23
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	4	0.23
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	4	0.23
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	4	0.23
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	4	0.23
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	4	0.23
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	4	0.23
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	1	0.23
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	1	0.23
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	1	0.23
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	7	0.23
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	7	0.23
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	7	0.23
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	20	0.23
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	20	0.23
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	20	0.23
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	3	0.23
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	12	0.23
(1,1059)	1:131:A:GLN:HA	1:131:A:GLN:HE22	11	0.23
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	8	0.23
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	8	0.23
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	8	0.23
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	16	0.23
(1,922)	1:42:A:LYS:HE2	1:43:A:GLN:H	16	0.23
(1,922)	1:42:A:LYS:HE3	1:43:A:GLN:H	16	0.23
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	17	0.23
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	17	0.23
(1,897)	1:79:A:LEU:HD11	1:157:A:TYR:H	13	0.23
(1,897)	1:79:A:LEU:HD12	1:157:A:TYR:H	13	0.23
(1,897)	1:79:A:LEU:HD13	1:157:A:TYR:H	13	0.23
(1,897)	1:79:A:LEU:HD21	1:157:A:TYR:H	13	0.23
(1,897)	1:79:A:LEU:HD22	1:157:A:TYR:H	13	0.23
(1,897)	1:79:A:LEU:HD23	1:157:A:TYR:H	13	0.23
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	14	0.23
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	14	0.23
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	6	0.23
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	6	0.23
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	6	0.23
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	6	0.23
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	3	0.23
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	9	0.23
(1,754)	1:39:A:SER:HB2	1:56:A:LEU:HA	7	0.23
(1,754)	1:39:A:SER:HB3	1:56:A:LEU:HA	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	14	0.23
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	14	0.23
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	14	0.23
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	15	0.23
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	19	0.23
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	19	0.23
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	3	0.23
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	6	0.23
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	13	0.23
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	14	0.23
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	15	0.23
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	18	0.23
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	18	0.23
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	18	0.23
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	18	0.23
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	18	0.23
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	18	0.23
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	18	0.23
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	18	0.23
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	18	0.23
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	18	0.23
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	18	0.23
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	18	0.23
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	8	0.23
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	20	0.23
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	9	0.23
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	9	0.23
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	9	0.23
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	9	0.23
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	9	0.23
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	9	0.23
(1,491)	1:29:A:VAL:HA	1:31:A:GLU:H	15	0.23
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	8	0.23
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	6	0.23
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	5	0.23
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	20	0.23
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	20	0.23
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	19	0.23
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	19	0.23
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	19	0.23
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	1	0.23
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	19	0.23
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	19	0.23
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	19	0.23
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	19	0.23
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	19	0.23
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	19	0.23
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	11	0.23
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	14	0.23
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	14	0.23
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	14	0.23
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	14	0.23
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	14	0.23
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	14	0.23
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	10	0.23
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	10	0.23
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	10	0.23
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	14	0.23
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	14	0.23
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	14	0.23
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	14	0.23
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	14	0.23
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	14	0.23
(1,72)	1:14:A:VAL:HG11	1:82:A:PHE:HB2	4	0.23
(1,72)	1:14:A:VAL:HG12	1:82:A:PHE:HB2	4	0.23
(1,72)	1:14:A:VAL:HG13	1:82:A:PHE:HB2	4	0.23
(1,72)	1:14:A:VAL:HG21	1:82:A:PHE:HB2	4	0.23
(1,72)	1:14:A:VAL:HG22	1:82:A:PHE:HB2	4	0.23
(1,72)	1:14:A:VAL:HG23	1:82:A:PHE:HB2	4	0.23
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	12	0.23
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	12	0.23
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	12	0.23
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	12	0.23
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	12	0.23
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	12	0.23
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	4	0.22
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	14	0.22
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	18	0.22
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	5	0.22
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	7	0.22
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	1	0.22
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD1	6	0.22
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD2	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	3	0.22
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	10	0.22
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	15	0.22
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	8	0.22
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	8	0.22
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	17	0.22
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	17	0.22
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	18	0.22
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	14	0.22
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	14	0.22
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	14	0.22
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	10	0.22
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG21	6	0.22
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG22	6	0.22
(1,3152)	1:1:A:MET:HG3	1:50:A:THR:HG23	6	0.22
(1,3131)	1:124:A:THR:H	1:126:A:ASP:H	16	0.22
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	16	0.22
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	16	0.22
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	16	0.22
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	16	0.22
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	16	0.22
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	16	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	6	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	6	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	6	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	6	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	6	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	6	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	6	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	6	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	6	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	6	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	6	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	6	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	6	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	6	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	6	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	6	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	6	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	6	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG11	12	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG12	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG13	12	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG21	12	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG22	12	0.22
(1,3081)	1:100:A:ILE:HG21	1:103:A:VAL:HG23	12	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG11	12	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG12	12	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG13	12	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG21	12	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG22	12	0.22
(1,3081)	1:100:A:ILE:HG22	1:103:A:VAL:HG23	12	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG11	12	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG12	12	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG13	12	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG21	12	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG22	12	0.22
(1,3081)	1:100:A:ILE:HG23	1:103:A:VAL:HG23	12	0.22
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	15	0.22
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	5	0.22
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	2	0.22
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE1	3	0.22
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE2	3	0.22
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE1	3	0.22
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE2	3	0.22
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE1	3	0.22
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE2	3	0.22
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	13	0.22
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	14	0.22
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	5	0.22
(1,2898)	1:28:A:PHE:HE1	1:147:A:LYS:HD3	5	0.22
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	5	0.22
(1,2898)	1:28:A:PHE:HE2	1:147:A:LYS:HD3	5	0.22
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	11	0.22
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	11	0.22
(1,2846)	1:140:A:PRO:HG2	1:141:A:PHE:H	5	0.22
(1,2846)	1:140:A:PRO:HG2	1:141:A:PHE:H	8	0.22
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	6	0.22
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	6	0.22
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	6	0.22
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	8	0.22
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	8	0.22
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	8	0.22
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	13	0.22
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	13	0.22
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	10	0.22
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	10	0.22
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	15	0.22
(1,2710)	1:102:A:ARG:HB3	1:102:A:ARG:HE	2	0.22
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	3	0.22
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	3	0.22
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	18	0.22
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	8	0.22
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	20	0.22
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	2	0.22
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	2	0.22
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	2	0.22
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	2	0.22
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	2	0.22
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	2	0.22
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	2	0.22
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	2	0.22
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	2	0.22
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	2	0.22
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	2	0.22
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	2	0.22
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	17	0.22
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	17	0.22
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	17	0.22
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	17	0.22
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	17	0.22
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	17	0.22
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	17	0.22
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	17	0.22
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	17	0.22
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	17	0.22
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	17	0.22
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	17	0.22
(1,2588)	1:153:A:ASP:HB2	1:155:A:ALA:H	9	0.22
(1,2588)	1:153:A:ASP:HB3	1:155:A:ALA:H	9	0.22
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	16	0.22
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	4	0.22
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	2	0.22
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	2	0.22
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	10	0.22
(1,2463)	1:4:A:TYR:HE1	1:167:A:LYS:HB3	19	0.22
(1,2463)	1:4:A:TYR:HE2	1:167:A:LYS:HB3	19	0.22
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	4	0.22
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	1	0.22
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	1	0.22
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	1	0.22
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	11	0.22
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	11	0.22
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	11	0.22
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	11	0.22
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	11	0.22
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	11	0.22
(1,2370)	1:156:A:PHE:HE1	1:159:A:LEU:HD11	10	0.22
(1,2370)	1:156:A:PHE:HE1	1:159:A:LEU:HD12	10	0.22
(1,2370)	1:156:A:PHE:HE1	1:159:A:LEU:HD13	10	0.22
(1,2370)	1:156:A:PHE:HE1	1:159:A:LEU:HD21	10	0.22
(1,2370)	1:156:A:PHE:HE1	1:159:A:LEU:HD22	10	0.22
(1,2370)	1:156:A:PHE:HE1	1:159:A:LEU:HD23	10	0.22
(1,2370)	1:156:A:PHE:HE2	1:159:A:LEU:HD11	10	0.22
(1,2370)	1:156:A:PHE:HE2	1:159:A:LEU:HD12	10	0.22
(1,2370)	1:156:A:PHE:HE2	1:159:A:LEU:HD13	10	0.22
(1,2370)	1:156:A:PHE:HE2	1:159:A:LEU:HD21	10	0.22
(1,2370)	1:156:A:PHE:HE2	1:159:A:LEU:HD22	10	0.22
(1,2370)	1:156:A:PHE:HE2	1:159:A:LEU:HD23	10	0.22
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	19	0.22
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	2	0.22
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	2	0.22
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	2	0.22
(1,2296)	1:23:A:LEU:H	1:152:A:VAL:HG11	19	0.22
(1,2296)	1:23:A:LEU:H	1:152:A:VAL:HG12	19	0.22
(1,2296)	1:23:A:LEU:H	1:152:A:VAL:HG13	19	0.22
(1,2296)	1:23:A:LEU:H	1:152:A:VAL:HG21	19	0.22
(1,2296)	1:23:A:LEU:H	1:152:A:VAL:HG22	19	0.22
(1,2296)	1:23:A:LEU:H	1:152:A:VAL:HG23	19	0.22
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	7	0.22
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	7	0.22
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	7	0.22
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	7	0.22
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	17	0.22
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	12	0.22
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	12	0.22
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD2	7	0.22
(1,2025)	1:128:A:LYS:H	1:128:A:LYS:HD3	7	0.22
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	13	0.22
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	8	0.22
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	8	0.22
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	8	0.22
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	8	0.22
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	15	0.22
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	15	0.22
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	19	0.22
(1,1903)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	19	0.22
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	15	0.22
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	17	0.22
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	20	0.22
(1,1840)	1:112:A:VAL:HG21	1:159:A:LEU:H	18	0.22
(1,1840)	1:112:A:VAL:HG22	1:159:A:LEU:H	18	0.22
(1,1840)	1:112:A:VAL:HG23	1:159:A:LEU:H	18	0.22
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	16	0.22
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	16	0.22
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	16	0.22
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	16	0.22
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	16	0.22
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	16	0.22
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	16	0.22
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	16	0.22
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	16	0.22
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	16	0.22
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	16	0.22
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	16	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	2	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	2	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	2	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	4	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	4	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	4	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	6	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	6	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	6	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	7	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	7	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	10	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	10	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	10	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	12	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	12	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	12	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	15	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	15	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	15	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	16	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	16	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	16	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	17	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	17	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	17	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	18	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	18	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	18	0.22
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	19	0.22
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	19	0.22
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	19	0.22
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	3	0.22
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG21	20	0.22
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG22	20	0.22
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG23	20	0.22
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	10	0.22
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	10	0.22
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	10	0.22
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	10	0.22
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	10	0.22
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	10	0.22
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	3	0.22
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	4	0.22
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	12	0.22
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	12	0.22
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD2	16	0.22
(1,1684)	1:102:A:ARG:H	1:102:A:ARG:HD3	16	0.22
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	12	0.22
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	12	0.22
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	8	0.22
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	8	0.22
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG21	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG22	9	0.22
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG23	9	0.22
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	7	0.22
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	7	0.22
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	18	0.22
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	18	0.22
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	18	0.22
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	18	0.22
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	18	0.22
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	18	0.22
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	18	0.22
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	18	0.22
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	18	0.22
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	18	0.22
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	18	0.22
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	18	0.22
(1,1454)	1:84:A:ILE:HD11	1:118:A:SER:H	4	0.22
(1,1454)	1:84:A:ILE:HD12	1:118:A:SER:H	4	0.22
(1,1454)	1:84:A:ILE:HD13	1:118:A:SER:H	4	0.22
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	19	0.22
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	17	0.22
(1,1251)	1:149:A:ARG:HB3	1:149:A:ARG:HE	7	0.22
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	13	0.22
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	13	0.22
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	13	0.22
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	13	0.22
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	13	0.22
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	13	0.22
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	13	0.22
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	13	0.22
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	13	0.22
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	13	0.22
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	13	0.22
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	13	0.22
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	13	0.22
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	13	0.22
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	13	0.22
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	13	0.22
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	13	0.22
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	13	0.22
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD21	14	0.22
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD22	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:39:A:SER:H	1:56:A:LEU:HD23	14	0.22
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	13	0.22
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	13	0.22
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	13	0.22
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	13	0.22
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	13	0.22
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	13	0.22
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	12	0.22
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	12	0.22
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	12	0.22
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	12	0.22
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	12	0.22
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	12	0.22
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	2	0.22
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	2	0.22
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	2	0.22
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	2	0.22
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	2	0.22
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	2	0.22
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	10	0.22
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	10	0.22
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	10	0.22
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	10	0.22
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	10	0.22
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	10	0.22
(1,1187)	1:56:A:LEU:HD11	1:71:A:TYR:HB2	7	0.22
(1,1187)	1:56:A:LEU:HD12	1:71:A:TYR:HB2	7	0.22
(1,1187)	1:56:A:LEU:HD13	1:71:A:TYR:HB2	7	0.22
(1,1187)	1:56:A:LEU:HD21	1:71:A:TYR:HB2	7	0.22
(1,1187)	1:56:A:LEU:HD22	1:71:A:TYR:HB2	7	0.22
(1,1187)	1:56:A:LEU:HD23	1:71:A:TYR:HB2	7	0.22
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	1	0.22
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	15	0.22
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	15	0.22
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	3	0.22
(1,1005)	1:45:A:VAL:HG11	1:48:A:GLY:HA2	2	0.22
(1,1005)	1:45:A:VAL:HG11	1:48:A:GLY:HA3	2	0.22
(1,1005)	1:45:A:VAL:HG12	1:48:A:GLY:HA2	2	0.22
(1,1005)	1:45:A:VAL:HG12	1:48:A:GLY:HA3	2	0.22
(1,1005)	1:45:A:VAL:HG13	1:48:A:GLY:HA2	2	0.22
(1,1005)	1:45:A:VAL:HG13	1:48:A:GLY:HA3	2	0.22
(1,1005)	1:45:A:VAL:HG21	1:48:A:GLY:HA2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1005)	1:45:A:VAL:HG21	1:48:A:GLY:HA3	2	0.22
(1,1005)	1:45:A:VAL:HG22	1:48:A:GLY:HA2	2	0.22
(1,1005)	1:45:A:VAL:HG22	1:48:A:GLY:HA3	2	0.22
(1,1005)	1:45:A:VAL:HG23	1:48:A:GLY:HA2	2	0.22
(1,1005)	1:45:A:VAL:HG23	1:48:A:GLY:HA3	2	0.22
(1,979)	1:88:A:LYS:HA	1:91:A:GLU:H	14	0.22
(1,954)	1:43:A:GLN:HA	1:43:A:GLN:HE21	20	0.22
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	1	0.22
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	1	0.22
(1,900)	1:90:A:PHE:HE1	1:129:A:GLN:HG2	18	0.22
(1,900)	1:90:A:PHE:HE2	1:129:A:GLN:HG2	18	0.22
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	13	0.22
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	13	0.22
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	17	0.22
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	17	0.22
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	10	0.22
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	10	0.22
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	3	0.22
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB2	12	0.22
(1,786)	1:39:A:SER:HB2	1:56:A:LEU:HB3	12	0.22
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB2	12	0.22
(1,786)	1:39:A:SER:HB3	1:56:A:LEU:HB3	12	0.22
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	13	0.22
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	1	0.22
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	1	0.22
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	1	0.22
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	15	0.22
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	6	0.22
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	1	0.22
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	1	0.22
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	1	0.22
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	1	0.22
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	1	0.22
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	1	0.22
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	1	0.22
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	1	0.22
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	1	0.22
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	1	0.22
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	1	0.22
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	1	0.22
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	16	0.22
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG11	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG12	3	0.22
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG13	3	0.22
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG21	3	0.22
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG22	3	0.22
(1,582)	1:14:A:VAL:H	1:81:A:VAL:HG23	3	0.22
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	2	0.22
(1,495)	1:29:A:VAL:HA	1:32:A:TYR:HD1	19	0.22
(1,495)	1:29:A:VAL:HA	1:32:A:TYR:HD2	19	0.22
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	3	0.22
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	14	0.22
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	10	0.22
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	10	0.22
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	13	0.22
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	13	0.22
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	1	0.22
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	10	0.22
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	2	0.22
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	2	0.22
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	2	0.22
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	2	0.22
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	2	0.22
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	2	0.22
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	2	0.22
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	2	0.22
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	2	0.22
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	2	0.22
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	2	0.22
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	2	0.22
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	20	0.22
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	20	0.22
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	20	0.22
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	20	0.22
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	20	0.22
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	20	0.22
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	20	0.22
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	20	0.22
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	20	0.22
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	20	0.22
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	20	0.22
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	20	0.22
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	12	0.22
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	17	0.22
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	20	0.22
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	20	0.22
(1,258)	1:7:A:VAL:HG11	1:72:A:MET:HA	7	0.22
(1,258)	1:7:A:VAL:HG12	1:72:A:MET:HA	7	0.22
(1,258)	1:7:A:VAL:HG13	1:72:A:MET:HA	7	0.22
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	5	0.22
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	8	0.22
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	8	0.22
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	8	0.22
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	8	0.22
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	8	0.22
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	8	0.22
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	15	0.22
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	13	0.22
(1,16)	1:106:A:SER:HA	1:107:A:GLU:H	2	0.22
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	15	0.21
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	1	0.21
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	6	0.21
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	8	0.21
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	4	0.21
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	12	0.21
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	19	0.21
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	19	0.21
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	15	0.21
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	15	0.21
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	15	0.21
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	15	0.21
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	15	0.21
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	15	0.21
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	1	0.21
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	1	0.21
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	6	0.21
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	10	0.21
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	11	0.21
(1,3130)	1:1:A:MET:HB2	1:50:A:THR:HG21	13	0.21
(1,3130)	1:1:A:MET:HB2	1:50:A:THR:HG22	13	0.21
(1,3130)	1:1:A:MET:HB2	1:50:A:THR:HG23	13	0.21
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	10	0.21
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	2	0.21
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	17	0.21
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	1	0.21
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	1	0.21
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	7	0.21
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	11	0.21
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	11	0.21
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	11	0.21
(1,2908)	1:135:A:ARG:HD2	1:136:A:SER:H	9	0.21
(1,2908)	1:135:A:ARG:HD3	1:136:A:SER:H	9	0.21
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	5	0.21
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	5	0.21
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	5	0.21
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	5	0.21
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	5	0.21
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	5	0.21
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG11	5	0.21
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG12	5	0.21
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG13	5	0.21
(1,2799)	1:143:A:GLU:HB3	1:144:A:THR:H	2	0.21
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	18	0.21
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	7	0.21
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	7	0.21
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	7	0.21
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	14	0.21
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	14	0.21
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	14	0.21
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	8	0.21
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	8	0.21
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	8	0.21
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	5	0.21
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	20	0.21
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	3	0.21
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	3	0.21
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	3	0.21
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	3	0.21
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	3	0.21
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	3	0.21
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	3	0.21
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	9	0.21
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	4	0.21
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	6	0.21
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	6	0.21
(1,2549)	1:165:A:LYS:H	1:165:A:LYS:HG2	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:164:A:ARG:HB2	1:165:A:LYS:H	16	0.21
(1,2547)	1:164:A:ARG:HB3	1:165:A:LYS:H	16	0.21
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	4	0.21
(1,2514)	1:157:A:TYR:HA	1:160:A:VAL:HA	5	0.21
(1,2468)	1:165:A:LYS:HA	1:165:A:LYS:HD2	20	0.21
(1,2468)	1:165:A:LYS:HA	1:165:A:LYS:HD3	20	0.21
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	7	0.21
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	14	0.21
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	14	0.21
(1,2405)	1:165:A:LYS:HA	1:165:A:LYS:HB3	9	0.21
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD21	18	0.21
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD22	18	0.21
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD23	18	0.21
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	16	0.21
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	16	0.21
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	16	0.21
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	16	0.21
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	16	0.21
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	16	0.21
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	16	0.21
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	16	0.21
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	16	0.21
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	4	0.21
(1,2280)	1:144:A:THR:HA	1:151:A:GLY:HA2	7	0.21
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG21	18	0.21
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG22	18	0.21
(1,2238)	1:119:A:ASP:HB2	1:148:A:THR:HG23	18	0.21
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG21	18	0.21
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG22	18	0.21
(1,2238)	1:119:A:ASP:HB3	1:148:A:THR:HG23	18	0.21
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG2	19	0.21
(1,2211)	1:146:A:ALA:HA	1:149:A:ARG:HG3	19	0.21
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	16	0.21
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	16	0.21
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	20	0.21
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	20	0.21
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	20	0.21
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	20	0.21
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	20	0.21
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	20	0.21
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	20	0.21
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	20	0.21
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	20	0.21
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	20	0.21
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	20	0.21
(1,2178)	1:110:A:PRO:HG2	1:166:A:HIS:HE1	11	0.21
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	12	0.21
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	12	0.21
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	12	0.21
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	12	0.21
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	12	0.21
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	12	0.21
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	17	0.21
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	17	0.21
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	17	0.21
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	20	0.21
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	20	0.21
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	20	0.21
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	20	0.21
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	20	0.21
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	20	0.21
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	3	0.21
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	14	0.21
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	1	0.21
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	1	0.21
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	1	0.21
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	1	0.21
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	1	0.21
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	1	0.21
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	6	0.21
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	6	0.21
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	8	0.21
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	8	0.21
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	8	0.21
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	8	0.21
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	8	0.21
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	8	0.21
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	18	0.21
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	18	0.21
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	18	0.21
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	18	0.21
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	18	0.21
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2032)	1:128:A:LYS:H	1:128:A:LYS:HG3	18	0.21
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	1	0.21
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	1	0.21
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	1	0.21
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB2	8	0.21
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB3	8	0.21
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB2	8	0.21
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB3	8	0.21
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG21	19	0.21
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG22	19	0.21
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG23	19	0.21
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	20	0.21
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	20	0.21
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	20	0.21
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	20	0.21
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	18	0.21
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	18	0.21
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB2	3	0.21
(1,1911)	1:119:A:ASP:HA	1:145:A:SER:HB3	3	0.21
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB2	4	0.21
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB3	4	0.21
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB2	4	0.21
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB3	4	0.21
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB2	4	0.21
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB3	4	0.21
(1,1894)	1:113:A:LEU:HD11	1:115:A:GLY:HA2	10	0.21
(1,1894)	1:113:A:LEU:HD12	1:115:A:GLY:HA2	10	0.21
(1,1894)	1:113:A:LEU:HD13	1:115:A:GLY:HA2	10	0.21
(1,1894)	1:113:A:LEU:HD21	1:115:A:GLY:HA2	10	0.21
(1,1894)	1:113:A:LEU:HD22	1:115:A:GLY:HA2	10	0.21
(1,1894)	1:113:A:LEU:HD23	1:115:A:GLY:HA2	10	0.21
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	18	0.21
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	3	0.21
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	3	0.21
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	3	0.21
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	13	0.21
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	13	0.21
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	13	0.21
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	14	0.21
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	14	0.21
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	14	0.21
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	16	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	15	0.21
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	15	0.21
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG2	7	0.21
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG3	7	0.21
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	19	0.21
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	19	0.21
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	19	0.21
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	8	0.21
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	11	0.21
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	19	0.21
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	16	0.21
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	13	0.21
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	13	0.21
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	18	0.21
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	18	0.21
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE21	19	0.21
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE22	19	0.21
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	13	0.21
(1,1330)	1:95:A:HIS:HD2	1:96:A:TYR:H	6	0.21
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	1	0.21
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	1	0.21
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG2	14	0.21
(1,1282)	1:66:A:ALA:HB1	1:67:A:MET:HG3	14	0.21
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG2	14	0.21
(1,1282)	1:66:A:ALA:HB2	1:67:A:MET:HG3	14	0.21
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG2	14	0.21
(1,1282)	1:66:A:ALA:HB3	1:67:A:MET:HG3	14	0.21
(1,1279)	1:94:A:HIS:HA	1:96:A:TYR:H	11	0.21
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	19	0.21
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	14	0.21
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	14	0.21
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	4	0.21
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	6	0.21
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	9	0.21
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG11	10	0.21
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG12	10	0.21
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG13	10	0.21
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG11	10	0.21
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG12	10	0.21
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG13	10	0.21
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG11	10	0.21
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG12	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG13	10	0.21
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	4	0.21
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	8	0.21
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	12	0.21
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	19	0.21
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE21	16	0.21
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE22	16	0.21
(1,1210)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	20	0.21
(1,1210)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	20	0.21
(1,1210)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	20	0.21
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	19	0.21
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	19	0.21
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	19	0.21
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	19	0.21
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	19	0.21
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	19	0.21
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	9	0.21
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	3	0.21
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	6	0.21
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	6	0.21
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	6	0.21
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	17	0.21
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	17	0.21
(1,1004)	1:86:A:ASN:HD21	1:89:A:SER:HB2	9	0.21
(1,1004)	1:86:A:ASN:HD21	1:89:A:SER:HB3	9	0.21
(1,1004)	1:86:A:ASN:HD22	1:89:A:SER:HB2	9	0.21
(1,1004)	1:86:A:ASN:HD22	1:89:A:SER:HB3	9	0.21
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	3	0.21
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	3	0.21
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	3	0.21
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	3	0.21
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	3	0.21
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	3	0.21
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	13	0.21
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	13	0.21
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	13	0.21
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	13	0.21
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	1	0.21
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	1	0.21
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	18	0.21
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	2	0.21
(1,788)	1:8:A:VAL:HB	1:58:A:THR:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	20	0.21
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	20	0.21
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	20	0.21
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	20	0.21
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	20	0.21
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	20	0.21
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	13	0.21
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	2	0.21
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	2	0.21
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	2	0.21
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	2	0.21
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	2	0.21
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	2	0.21
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	14	0.21
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	14	0.21
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	14	0.21
(1,491)	1:29:A:VAL:HA	1:31:A:GLU:H	18	0.21
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	4	0.21
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	12	0.21
(1,480)	1:25:A:GLN:HB2	1:26:A:ASN:H	13	0.21
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	16	0.21
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	16	0.21
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	16	0.21
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	20	0.21
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	20	0.21
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	17	0.21
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	17	0.21
(1,377)	1:24:A:ILE:HD11	1:43:A:GLN:H	13	0.21
(1,377)	1:24:A:ILE:HD12	1:43:A:GLN:H	13	0.21
(1,377)	1:24:A:ILE:HD13	1:43:A:GLN:H	13	0.21
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	17	0.21
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	17	0.21
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	17	0.21
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	17	0.21
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	17	0.21
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	17	0.21
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	17	0.21
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	17	0.21
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	17	0.21
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	17	0.21
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	17	0.21
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	5	0.21
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	5	0.21
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	5	0.21
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	1	0.21
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	1	0.21
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	1	0.21
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	1	0.21
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	1	0.21
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	1	0.21
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	16	0.21
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	16	0.21
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	16	0.21
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	16	0.21
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	16	0.21
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	16	0.21
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	17	0.21
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	17	0.21
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	17	0.21
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	17	0.21
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	17	0.21
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	17	0.21
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	11	0.21
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	11	0.21
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	9	0.21
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	9	0.21
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	19	0.21
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	19	0.21
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG11	9	0.21
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG12	9	0.21
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG13	9	0.21
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG21	9	0.21
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG22	9	0.21
(1,246)	1:16:A:LYS:H	1:81:A:VAL:HG23	9	0.21
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	9	0.21
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	9	0.21
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD11	12	0.21
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD12	12	0.21
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD13	12	0.21
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	13	0.21
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	3	0.21
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	3	0.21
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	3	0.21
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	3	0.21
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	3	0.21
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG11	16	0.21
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG12	16	0.21
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG13	16	0.21
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG21	16	0.21
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG22	16	0.21
(1,78)	1:15:A:GLY:HA3	1:81:A:VAL:HG23	16	0.21
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	12	0.21
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	12	0.21
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	12	0.21
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	12	0.21
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	6	0.21
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	3	0.21
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	3	0.21
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	3	0.21
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	14	0.21
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	14	0.21
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	14	0.21
(1,1)	1:10:A:GLY:HA2	1:81:A:VAL:HB	2	0.21
(1,1)	1:10:A:GLY:HA3	1:81:A:VAL:HB	2	0.21
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	2	0.2
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	5	0.2
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	12	0.2
(1,3312)	1:111:A:MET:H	1:159:A:LEU:HA	7	0.2
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG2	3	0.2
(1,3311)	1:7:A:VAL:HG11	1:72:A:MET:HG3	3	0.2
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG2	3	0.2
(1,3311)	1:7:A:VAL:HG12	1:72:A:MET:HG3	3	0.2
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG2	3	0.2
(1,3311)	1:7:A:VAL:HG13	1:72:A:MET:HG3	3	0.2
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG2	3	0.2
(1,3311)	1:7:A:VAL:HG21	1:72:A:MET:HG3	3	0.2
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG2	3	0.2
(1,3311)	1:7:A:VAL:HG22	1:72:A:MET:HG3	3	0.2
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG2	3	0.2
(1,3311)	1:7:A:VAL:HG23	1:72:A:MET:HG3	3	0.2
(1,3310)	1:111:A:MET:H	1:140:A:PRO:HD2	19	0.2
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD1	9	0.2
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD2	9	0.2
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD1	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD2	9	0.2
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD1	9	0.2
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD2	9	0.2
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD1	9	0.2
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD2	9	0.2
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD1	9	0.2
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD2	9	0.2
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD1	9	0.2
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD2	9	0.2
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD1	4	0.2
(1,3265)	1:9:A:VAL:HB	1:78:A:PHE:HD2	4	0.2
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	15	0.2
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	15	0.2
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	15	0.2
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	10	0.2
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	10	0.2
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	17	0.2
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	5	0.2
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	2	0.2
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	4	0.2
(1,3116)	1:85:A:ASN:HB2	1:124:A:THR:H	3	0.2
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE1	4	0.2
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE2	4	0.2
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	10	0.2
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	14	0.2
(1,3043)	1:129:A:GLN:H	1:129:A:GLN:HE21	18	0.2
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	19	0.2
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	19	0.2
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	20	0.2
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	20	0.2
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	20	0.2
(1,2975)	1:113:A:LEU:HD11	1:133:A:LEU:H	2	0.2
(1,2975)	1:113:A:LEU:HD12	1:133:A:LEU:H	2	0.2
(1,2975)	1:113:A:LEU:HD13	1:133:A:LEU:H	2	0.2
(1,2975)	1:113:A:LEU:HD21	1:133:A:LEU:H	2	0.2
(1,2975)	1:113:A:LEU:HD22	1:133:A:LEU:H	2	0.2
(1,2975)	1:113:A:LEU:HD23	1:133:A:LEU:H	2	0.2
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	19	0.2
(1,2913)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	5	0.2
(1,2913)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	5	0.2
(1,2911)	1:48:A:GLY:H	1:49:A:GLU:HB2	1	0.2
(1,2910)	1:166:A:HIS:H	1:166:A:HIS:HD2	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	2	0.2
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	20	0.2
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	20	0.2
(1,2872)	1:5:A:LYS:H	1:163:A:ILE:HG21	15	0.2
(1,2872)	1:5:A:LYS:H	1:163:A:ILE:HG22	15	0.2
(1,2872)	1:5:A:LYS:H	1:163:A:ILE:HG23	15	0.2
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG11	17	0.2
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG12	17	0.2
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG13	17	0.2
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG21	17	0.2
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG22	17	0.2
(1,2867)	1:73:A:ARG:HE	1:103:A:VAL:HG23	17	0.2
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE21	18	0.2
(1,2763)	1:59:A:ALA:HB1	1:61:A:GLN:HE22	18	0.2
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE21	18	0.2
(1,2763)	1:59:A:ALA:HB2	1:61:A:GLN:HE22	18	0.2
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE21	18	0.2
(1,2763)	1:59:A:ALA:HB3	1:61:A:GLN:HE22	18	0.2
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	11	0.2
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	11	0.2
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	11	0.2
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	13	0.2
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	13	0.2
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	13	0.2
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	3	0.2
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	3	0.2
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	3	0.2
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	19	0.2
(1,2678)	1:146:A:ALA:HA	1:149:A:ARG:H	3	0.2
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	4	0.2
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	9	0.2
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	14	0.2
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	8	0.2
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	8	0.2
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	19	0.2
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	19	0.2
(1,2589)	1:153:A:ASP:HB2	1:155:A:ALA:H	1	0.2
(1,2580)	1:154:A:ASP:HB3	1:155:A:ALA:H	12	0.2
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	4	0.2
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	4	0.2
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	4	0.2
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	4	0.2
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	4	0.2
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	4	0.2
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	4	0.2
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	4	0.2
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	4	0.2
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	4	0.2
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	4	0.2
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	8	0.2
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	12	0.2
(1,2554)	1:100:A:ILE:HG21	1:111:A:MET:HG3	11	0.2
(1,2554)	1:100:A:ILE:HG22	1:111:A:MET:HG3	11	0.2
(1,2554)	1:100:A:ILE:HG23	1:111:A:MET:HG3	11	0.2
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	1	0.2
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	1	0.2
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	1	0.2
(1,2525)	1:160:A:VAL:HG11	1:164:A:ARG:H	8	0.2
(1,2525)	1:160:A:VAL:HG12	1:164:A:ARG:H	8	0.2
(1,2525)	1:160:A:VAL:HG13	1:164:A:ARG:H	8	0.2
(1,2525)	1:160:A:VAL:HG21	1:164:A:ARG:H	8	0.2
(1,2525)	1:160:A:VAL:HG22	1:164:A:ARG:H	8	0.2
(1,2525)	1:160:A:VAL:HG23	1:164:A:ARG:H	8	0.2
(1,2521)	1:84:A:ILE:HB	1:123:A:ARG:HE	10	0.2
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	7	0.2
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	16	0.2
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	16	0.2
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	16	0.2
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	16	0.2
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	16	0.2
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	16	0.2
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	10	0.2
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	10	0.2
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	10	0.2
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	10	0.2
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	10	0.2
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	10	0.2
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	15	0.2
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	15	0.2
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	15	0.2
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	15	0.2
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	15	0.2
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	18	0.2
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	18	0.2
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	18	0.2
(1,2280)	1:144:A:THR:HA	1:151:A:GLY:HA2	15	0.2
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	6	0.2
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	19	0.2
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	19	0.2
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	19	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	8	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	8	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	8	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	8	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	8	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	8	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	8	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	8	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	8	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	8	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	8	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	8	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	15	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	15	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	15	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	15	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	15	0.2
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	15	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	15	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	15	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	15	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	15	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	15	0.2
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	15	0.2
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG2	19	0.2
(1,2197)	1:115:A:GLY:HA3	1:143:A:GLU:HG3	19	0.2
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	13	0.2
(1,2173)	1:147:A:LYS:HD2	2:201:A:GNP:HN1	3	0.2
(1,2159)	1:140:A:PRO:HG3	1:162:A:GLU:HG2	3	0.2
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	20	0.2
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	20	0.2
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	20	0.2
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	20	0.2
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	20	0.2
(1,2129)	1:16:A:LYS:HB2	1:17:A:SER:H	20	0.2
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	9	0.2
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	5	0.2
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	14	0.2
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	3	0.2
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	3	0.2
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	3	0.2
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	3	0.2
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	3	0.2
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	3	0.2
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG2	20	0.2
(1,2031)	1:127:A:THR:H	1:128:A:LYS:HG3	20	0.2
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	12	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG11	14	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG12	14	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG13	14	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG21	14	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG22	14	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG23	14	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG11	15	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG12	15	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG13	15	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG21	15	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG22	15	0.2
(1,1872)	1:79:A:LEU:HG	1:114:A:VAL:HG23	15	0.2
(1,1826)	1:79:A:LEU:HA	1:111:A:MET:HA	11	0.2
(1,1793)	1:130:A:ALA:HB1	1:131:A:GLN:HB2	10	0.2
(1,1793)	1:130:A:ALA:HB2	1:131:A:GLN:HB2	10	0.2
(1,1793)	1:130:A:ALA:HB3	1:131:A:GLN:HB2	10	0.2
(1,1793)	1:130:A:ALA:HB1	1:131:A:GLN:HB2	18	0.2
(1,1793)	1:130:A:ALA:HB2	1:131:A:GLN:HB2	18	0.2
(1,1793)	1:130:A:ALA:HB3	1:131:A:GLN:HB2	18	0.2
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	15	0.2
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	15	0.2
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	15	0.2
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	15	0.2
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	15	0.2
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	15	0.2
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG2	5	0.2
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG3	5	0.2
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	7	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	7	0.2
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	1	0.2
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	3	0.2
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	20	0.2
(1,1685)	1:113:A:LEU:HD11	1:141:A:PHE:HA	14	0.2
(1,1685)	1:113:A:LEU:HD12	1:141:A:PHE:HA	14	0.2
(1,1685)	1:113:A:LEU:HD13	1:141:A:PHE:HA	14	0.2
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	4	0.2
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	19	0.2
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	19	0.2
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	10	0.2
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	10	0.2
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	10	0.2
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	10	0.2
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	10	0.2
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	10	0.2
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	1	0.2
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	1	0.2
(1,1436)	1:79:A:LEU:HD11	1:156:A:PHE:HB3	7	0.2
(1,1436)	1:79:A:LEU:HD12	1:156:A:PHE:HB3	7	0.2
(1,1436)	1:79:A:LEU:HD13	1:156:A:PHE:HB3	7	0.2
(1,1436)	1:79:A:LEU:HD21	1:156:A:PHE:HB3	7	0.2
(1,1436)	1:79:A:LEU:HD22	1:156:A:PHE:HB3	7	0.2
(1,1436)	1:79:A:LEU:HD23	1:156:A:PHE:HB3	7	0.2
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD11	1	0.2
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD12	1	0.2
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD13	1	0.2
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD21	1	0.2
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD22	1	0.2
(1,1420)	1:6:A:LEU:HB2	1:159:A:LEU:HD23	1	0.2
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD11	1	0.2
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD12	1	0.2
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD13	1	0.2
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD21	1	0.2
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD22	1	0.2
(1,1420)	1:6:A:LEU:HB3	1:159:A:LEU:HD23	1	0.2
(1,1403)	1:85:A:ASN:HB3	1:124:A:THR:H	18	0.2
(1,1331)	1:95:A:HIS:HA	1:99:A:GLN:H	4	0.2
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	15	0.2
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	15	0.2
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	15	0.2
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	15	0.2
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	15	0.2
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	12	0.2
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	12	0.2
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	9	0.2
(1,1228)	1:61:A:GLN:HA	1:61:A:GLN:HE22	15	0.2
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG21	5	0.2
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG22	5	0.2
(1,1218)	1:56:A:LEU:HD11	1:58:A:THR:HG23	5	0.2
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG21	5	0.2
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG22	5	0.2
(1,1218)	1:56:A:LEU:HD12	1:58:A:THR:HG23	5	0.2
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG21	5	0.2
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG22	5	0.2
(1,1218)	1:56:A:LEU:HD13	1:58:A:THR:HG23	5	0.2
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG21	5	0.2
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG22	5	0.2
(1,1218)	1:56:A:LEU:HD21	1:58:A:THR:HG23	5	0.2
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG21	5	0.2
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG22	5	0.2
(1,1218)	1:56:A:LEU:HD22	1:58:A:THR:HG23	5	0.2
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG21	5	0.2
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG22	5	0.2
(1,1218)	1:56:A:LEU:HD23	1:58:A:THR:HG23	5	0.2
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	7	0.2
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	7	0.2
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	7	0.2
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	7	0.2
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	7	0.2
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	7	0.2
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	5	0.2
(1,1177)	1:166:A:HIS:HA	1:166:A:HIS:HD2	13	0.2
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	4	0.2
(1,1124)	1:113:A:LEU:HB2	1:142:A:ILE:H	1	0.2
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	15	0.2
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	15	0.2
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	8	0.2
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	8	0.2
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	15	0.2
(1,1035)	1:129:A:GLN:HA	1:129:A:GLN:HE21	6	0.2
(1,1020)	1:45:A:VAL:HG11	1:50:A:THR:HG21	5	0.2
(1,1020)	1:45:A:VAL:HG11	1:50:A:THR:HG22	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:45:A:VAL:HG11	1:50:A:THR:HG23	5	0.2
(1,1020)	1:45:A:VAL:HG12	1:50:A:THR:HG21	5	0.2
(1,1020)	1:45:A:VAL:HG12	1:50:A:THR:HG22	5	0.2
(1,1020)	1:45:A:VAL:HG12	1:50:A:THR:HG23	5	0.2
(1,1020)	1:45:A:VAL:HG13	1:50:A:THR:HG21	5	0.2
(1,1020)	1:45:A:VAL:HG13	1:50:A:THR:HG22	5	0.2
(1,1020)	1:45:A:VAL:HG13	1:50:A:THR:HG23	5	0.2
(1,1020)	1:45:A:VAL:HG21	1:50:A:THR:HG21	5	0.2
(1,1020)	1:45:A:VAL:HG21	1:50:A:THR:HG22	5	0.2
(1,1020)	1:45:A:VAL:HG21	1:50:A:THR:HG23	5	0.2
(1,1020)	1:45:A:VAL:HG22	1:50:A:THR:HG21	5	0.2
(1,1020)	1:45:A:VAL:HG22	1:50:A:THR:HG22	5	0.2
(1,1020)	1:45:A:VAL:HG22	1:50:A:THR:HG23	5	0.2
(1,1020)	1:45:A:VAL:HG23	1:50:A:THR:HG21	5	0.2
(1,1020)	1:45:A:VAL:HG23	1:50:A:THR:HG22	5	0.2
(1,1020)	1:45:A:VAL:HG23	1:50:A:THR:HG23	5	0.2
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	2	0.2
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	2	0.2
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	6	0.2
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	6	0.2
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	15	0.2
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	15	0.2
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	15	0.2
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	15	0.2
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	15	0.2
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	15	0.2
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD11	18	0.2
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD12	18	0.2
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD13	18	0.2
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD21	18	0.2
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD22	18	0.2
(1,992)	1:111:A:MET:HA	1:159:A:LEU:HD23	18	0.2
(1,988)	1:85:A:ASN:HD21	1:117:A:LYS:HB2	5	0.2
(1,988)	1:85:A:ASN:HD21	1:117:A:LYS:HB3	5	0.2
(1,988)	1:85:A:ASN:HD22	1:117:A:LYS:HB2	5	0.2
(1,988)	1:85:A:ASN:HD22	1:117:A:LYS:HB3	5	0.2
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE2	8	0.2
(1,925)	1:42:A:LYS:HA	1:42:A:LYS:HE3	8	0.2
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD1	6	0.2
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD2	6	0.2
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	15	0.2
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,803)	1:142:A:ILE:HD11	1:143:A:GLU:H	10	0.2
(1,803)	1:142:A:ILE:HD12	1:143:A:GLU:H	10	0.2
(1,803)	1:142:A:ILE:HD13	1:143:A:GLU:H	10	0.2
(1,803)	1:142:A:ILE:HD11	1:143:A:GLU:H	12	0.2
(1,803)	1:142:A:ILE:HD12	1:143:A:GLU:H	12	0.2
(1,803)	1:142:A:ILE:HD13	1:143:A:GLU:H	12	0.2
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	4	0.2
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	6	0.2
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	13	0.2
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	13	0.2
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	9	0.2
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	9	0.2
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	10	0.2
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	11	0.2
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	16	0.2
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	3	0.2
(1,592)	1:26:A:ASN:HB2	1:26:A:ASN:HD22	19	0.2
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	12	0.2
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD2	5	0.2
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD3	5	0.2
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD2	14	0.2
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD3	14	0.2
(1,500)	1:22:A:GLN:H	1:27:A:HIS:H	8	0.2
(1,500)	1:22:A:GLN:H	1:27:A:HIS:H	9	0.2
(1,500)	1:22:A:GLN:H	1:27:A:HIS:H	12	0.2
(1,500)	1:22:A:GLN:H	1:27:A:HIS:H	19	0.2
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	9	0.2
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	9	0.2
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	2	0.2
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	2	0.2
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	11	0.2
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	11	0.2
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	11	0.2
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	8	0.2
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	8	0.2
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	8	0.2
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	8	0.2
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	8	0.2
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	8	0.2
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	20	0.2
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	15	0.2
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	5	0.2
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	5	0.2
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	10	0.2
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	10	0.2
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	16	0.2
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	16	0.2
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	16	0.2
(1,244)	1:5:A:LYS:H	1:5:A:LYS:HG2	13	0.2
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	1	0.2
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	1	0.2
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	20	0.2
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	20	0.2
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	20	0.2
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	14	0.2
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	14	0.2
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	14	0.2
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	20	0.2
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	20	0.2
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	20	0.2
(1,203)	1:30:A:ASP:HA	2:201:A:GNP:H2'	12	0.2
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	10	0.2
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	10	0.2
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	10	0.2
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	10	0.2
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	10	0.2
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	10	0.2
(1,179)	1:19:A:LEU:HD11	1:81:A:VAL:HA	4	0.2
(1,179)	1:19:A:LEU:HD12	1:81:A:VAL:HA	4	0.2
(1,179)	1:19:A:LEU:HD13	1:81:A:VAL:HA	4	0.2
(1,179)	1:19:A:LEU:HD21	1:81:A:VAL:HA	4	0.2
(1,179)	1:19:A:LEU:HD22	1:81:A:VAL:HA	4	0.2
(1,179)	1:19:A:LEU:HD23	1:81:A:VAL:HA	4	0.2
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	8	0.2
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	12	0.2
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	12	0.2
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	12	0.2
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	12	0.2
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	12	0.2
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	12	0.2
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	13	0.19
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	13	0.19
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	5	0.19
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	9	0.19
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	10	0.19
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	15	0.19
(1,3298)	1:79:A:LEU:H	1:112:A:VAL:H	2	0.19
(1,3259)	1:113:A:LEU:H	1:141:A:PHE:HB3	7	0.19
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	8	0.19
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	8	0.19
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	8	0.19
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	8	0.19
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	8	0.19
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	8	0.19
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	7	0.19
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	11	0.19
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	15	0.19
(1,3164)	1:1:A:MET:HG2	1:52:A:LEU:HG	5	0.19
(1,3125)	1:58:A:THR:HG21	1:68:A:ARG:HE	6	0.19
(1,3125)	1:58:A:THR:HG22	1:68:A:ARG:HE	6	0.19
(1,3125)	1:58:A:THR:HG23	1:68:A:ARG:HE	6	0.19
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	12	0.19
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	12	0.19
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	12	0.19
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	12	0.19
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	12	0.19
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	12	0.19
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	3	0.19
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	6	0.19
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	20	0.19
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	20	0.19
(1,3038)	1:128:A:LYS:HG2	1:129:A:GLN:H	14	0.19
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	4	0.19
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	5	0.19
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE1	4	0.19
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE2	4	0.19
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE1	4	0.19
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE2	4	0.19
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE1	4	0.19
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE2	4	0.19
(1,2976)	1:130:A:ALA:H	1:133:A:LEU:H	18	0.19
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	18	0.19
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	20	0.19
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	14	0.19
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	3	0.19
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	3	0.19
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	3	0.19
(1,2734)	1:147:A:LYS:H	1:149:A:ARG:HA	11	0.19
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	15	0.19
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	16	0.19
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	16	0.19
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	16	0.19
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	8	0.19
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	13	0.19
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	15	0.19
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	10	0.19
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	10	0.19
(1,2526)	1:19:A:LEU:HB3	1:152:A:VAL:HA	10	0.19
(1,2482)	1:168:A:GLU:HA	1:169:A:LYS:H	11	0.19
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	9	0.19
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	9	0.19
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	15	0.19
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	15	0.19
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	2	0.19
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	11	0.19
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	10	0.19
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	18	0.19
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	4	0.19
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	4	0.19
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	4	0.19
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	4	0.19
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	4	0.19
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	4	0.19
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	16	0.19
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	16	0.19
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	16	0.19
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	16	0.19
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	16	0.19
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	16	0.19
(1,2322)	1:151:A:GLY:H	1:154:A:ASP:HB3	12	0.19
(1,2187)	1:155:A:ALA:HB1	1:157:A:TYR:H	5	0.19
(1,2187)	1:155:A:ALA:HB2	1:157:A:TYR:H	5	0.19
(1,2187)	1:155:A:ALA:HB3	1:157:A:TYR:H	5	0.19
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	14	0.19
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	14	0.19
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	14	0.19
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	14	0.19
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	14	0.19
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	5	0.19
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	15	0.19
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	15	0.19
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	15	0.19
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	15	0.19
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	15	0.19
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	15	0.19
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	2	0.19
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	19	0.19
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	9	0.19
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	9	0.19
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	11	0.19
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	11	0.19
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	11	0.19
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	11	0.19
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	11	0.19
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	11	0.19
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	4	0.19
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	4	0.19
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	4	0.19
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	4	0.19
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	4	0.19
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	4	0.19
(1,2047)	1:148:A:THR:HG21	1:150:A:GLN:HB2	9	0.19
(1,2047)	1:148:A:THR:HG22	1:150:A:GLN:HB2	9	0.19
(1,2047)	1:148:A:THR:HG23	1:150:A:GLN:HB2	9	0.19
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	10	0.19
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG21	11	0.19
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG22	11	0.19
(1,1978)	1:43:A:GLN:HA	1:50:A:THR:HG23	11	0.19
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	3	0.19
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	18	0.19
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	2	0.19
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	2	0.19
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	4	0.19
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	4	0.19
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD1	20	0.19
(1,1919)	1:46:A:ILE:HG12	1:157:A:TYR:HD2	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB2	8	0.19
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB3	8	0.19
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB2	8	0.19
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB3	8	0.19
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB2	8	0.19
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB3	8	0.19
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD2	1	0.19
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD3	1	0.19
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	13	0.19
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	13	0.19
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	13	0.19
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	13	0.19
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	13	0.19
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	13	0.19
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	13	0.19
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	13	0.19
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	13	0.19
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	13	0.19
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	13	0.19
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	13	0.19
(1,1833)	1:112:A:VAL:HG11	1:113:A:LEU:HB3	10	0.19
(1,1833)	1:112:A:VAL:HG12	1:113:A:LEU:HB3	10	0.19
(1,1833)	1:112:A:VAL:HG13	1:113:A:LEU:HB3	10	0.19
(1,1833)	1:112:A:VAL:HG21	1:113:A:LEU:HB3	10	0.19
(1,1833)	1:112:A:VAL:HG22	1:113:A:LEU:HB3	10	0.19
(1,1833)	1:112:A:VAL:HG23	1:113:A:LEU:HB3	10	0.19
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG12	8	0.19
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG13	8	0.19
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG12	8	0.19
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG13	8	0.19
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	1	0.19
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	1	0.19
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	1	0.19
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	5	0.19
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	5	0.19
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	5	0.19
(1,1814)	1:100:A:ILE:HD11	1:111:A:MET:HG2	8	0.19
(1,1814)	1:100:A:ILE:HD12	1:111:A:MET:HG2	8	0.19
(1,1814)	1:100:A:ILE:HD13	1:111:A:MET:HG2	8	0.19
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	19	0.19
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	19	0.19
(1,1766)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	1	0.19
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	1	0.19
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	1	0.19
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	1	0.19
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	1	0.19
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	1	0.19
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	20	0.19
(1,1730)	1:78:A:PHE:HZ	1:104:A:LYS:HE3	10	0.19
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	6	0.19
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	5	0.19
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	10	0.19
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	18	0.19
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	13	0.19
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	13	0.19
(1,1610)	1:96:A:TYR:HB3	1:100:A:ILE:HB	14	0.19
(1,1571)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	17	0.19
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	3	0.19
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	9	0.19
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD1	12	0.19
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD2	12	0.19
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	7	0.19
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	7	0.19
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	7	0.19
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	7	0.19
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	7	0.19
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	7	0.19
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	9	0.19
(1,1353)	1:95:A:HIS:HA	1:95:A:HIS:HE1	13	0.19
(1,1321)	1:56:A:LEU:HD11	1:71:A:TYR:HA	1	0.19
(1,1321)	1:56:A:LEU:HD12	1:71:A:TYR:HA	1	0.19
(1,1321)	1:56:A:LEU:HD13	1:71:A:TYR:HA	1	0.19
(1,1321)	1:56:A:LEU:HD21	1:71:A:TYR:HA	1	0.19
(1,1321)	1:56:A:LEU:HD22	1:71:A:TYR:HA	1	0.19
(1,1321)	1:56:A:LEU:HD23	1:71:A:TYR:HA	1	0.19
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD1	9	0.19
(1,1297)	1:68:A:ARG:HD2	1:71:A:TYR:HD2	9	0.19
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD1	9	0.19
(1,1297)	1:68:A:ARG:HD3	1:71:A:TYR:HD2	9	0.19
(1,1272)	1:9:A:VAL:HG11	1:96:A:TYR:H	14	0.19
(1,1272)	1:9:A:VAL:HG12	1:96:A:TYR:H	14	0.19
(1,1272)	1:9:A:VAL:HG13	1:96:A:TYR:H	14	0.19
(1,1272)	1:9:A:VAL:HG21	1:96:A:TYR:H	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1272)	1:9:A:VAL:HG22	1:96:A:TYR:H	14	0.19
(1,1272)	1:9:A:VAL:HG23	1:96:A:TYR:H	14	0.19
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	2	0.19
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD1	4	0.19
(1,1260)	1:94:A:HIS:HE1	1:137:A:TYR:HD2	4	0.19
(1,1187)	1:56:A:LEU:HD11	1:71:A:TYR:HB2	18	0.19
(1,1187)	1:56:A:LEU:HD12	1:71:A:TYR:HB2	18	0.19
(1,1187)	1:56:A:LEU:HD13	1:71:A:TYR:HB2	18	0.19
(1,1187)	1:56:A:LEU:HD21	1:71:A:TYR:HB2	18	0.19
(1,1187)	1:56:A:LEU:HD22	1:71:A:TYR:HB2	18	0.19
(1,1187)	1:56:A:LEU:HD23	1:71:A:TYR:HB2	18	0.19
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	10	0.19
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	10	0.19
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	10	0.19
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	19	0.19
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	19	0.19
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	19	0.19
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	15	0.19
(1,1145)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	15	0.19
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	15	0.19
(1,1145)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	15	0.19
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	15	0.19
(1,1145)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	15	0.19
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	2	0.19
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	20	0.19
(1,1124)	1:113:A:LEU:HB2	1:142:A:ILE:H	14	0.19
(1,1088)	1:51:A:CYS:HA	1:52:A:LEU:HG	2	0.19
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	18	0.19
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	18	0.19
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	19	0.19
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	20	0.19
(1,1062)	1:131:A:GLN:HA	1:131:A:GLN:HE21	8	0.19
(1,1021)	1:116:A:ASN:HD21	1:146:A:ALA:H	19	0.19
(1,1021)	1:116:A:ASN:HD22	1:146:A:ALA:H	19	0.19
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	11	0.19
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	11	0.19
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	20	0.19
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	20	0.19
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	11	0.19
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	6	0.19
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	6	0.19
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	16	0.19
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	16	0.19
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	2	0.19
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	2	0.19
(1,766)	1:147:A:LYS:HG3	1:147:A:LYS:HE2	20	0.19
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	2	0.19
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	14	0.19
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	14	0.19
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	14	0.19
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	4	0.19
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	4	0.19
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	8	0.19
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	7	0.19
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	15	0.19
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	2	0.19
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	2	0.19
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	2	0.19
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	10	0.19
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	10	0.19
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	10	0.19
(1,507)	1:169:A:LYS:H	1:169:A:LYS:HB2	10	0.19
(1,507)	1:169:A:LYS:H	1:169:A:LYS:HB2	19	0.19
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	10	0.19
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	19	0.19
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	19	0.19
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	19	0.19
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	13	0.19
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	20	0.19
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	5	0.19
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	5	0.19
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	10	0.19
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	10	0.19
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	9	0.19
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	9	0.19
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	19	0.19
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	19	0.19
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	20	0.19
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	20	0.19
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	20	0.19
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	20	0.19
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	20	0.19
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	2	0.19
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	2	0.19
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	3	0.19
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	6	0.19
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	6	0.19
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	6	0.19
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	19	0.19
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	19	0.19
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	11	0.19
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	11	0.19
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	11	0.19
(1,148)	1:28:A:PHE:HE1	2:201:A:GNP:H1'	2	0.19
(1,148)	1:28:A:PHE:HE2	2:201:A:GNP:H1'	2	0.19
(1,115)	1:95:A:HIS:HA	1:98:A:GLU:H	14	0.19
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	19	0.19
(1,69)	1:85:A:ASN:H	1:123:A:ARG:HA	3	0.19
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	11	0.19
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	11	0.19
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	11	0.19
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	4	0.19
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	4	0.19
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	4	0.19
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	19	0.18
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	3	0.18
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	12	0.18
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	14	0.18
(1,3234)	1:113:A:LEU:HD11	1:115:A:GLY:H	10	0.18
(1,3234)	1:113:A:LEU:HD12	1:115:A:GLY:H	10	0.18
(1,3234)	1:113:A:LEU:HD13	1:115:A:GLY:H	10	0.18
(1,3234)	1:113:A:LEU:HD21	1:115:A:GLY:H	10	0.18
(1,3234)	1:113:A:LEU:HD22	1:115:A:GLY:H	10	0.18
(1,3234)	1:113:A:LEU:HD23	1:115:A:GLY:H	10	0.18
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	17	0.18
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	18	0.18
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	18	0.18
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	2	0.18
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	2	0.18
(1,3179)	1:1:A:MET:HG3	1:51:A:CYS:H	16	0.18
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	18	0.18
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	18	0.18
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	18	0.18
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:85:A:ASN:HB2	1:123:A:ARG:HG3	3	0.18
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG2	3	0.18
(1,3120)	1:85:A:ASN:HB3	1:123:A:ARG:HG3	3	0.18
(1,3111)	1:85:A:ASN:HB2	1:125:A:VAL:H	3	0.18
(1,3111)	1:85:A:ASN:HB3	1:125:A:VAL:H	3	0.18
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	1	0.18
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	16	0.18
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	16	0.18
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	16	0.18
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	10	0.18
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	17	0.18
(1,2911)	1:48:A:GLY:H	1:49:A:GLU:HB2	12	0.18
(1,2908)	1:135:A:ARG:HD2	1:136:A:SER:H	17	0.18
(1,2908)	1:135:A:ARG:HD3	1:136:A:SER:H	17	0.18
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	11	0.18
(1,2894)	1:137:A:TYR:H	1:139:A:ILE:HG13	1	0.18
(1,2835)	1:73:A:ARG:HB2	1:73:A:ARG:HE	10	0.18
(1,2835)	1:73:A:ARG:HB3	1:73:A:ARG:HE	10	0.18
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	5	0.18
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	18	0.18
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	18	0.18
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	2	0.18
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	2	0.18
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	2	0.18
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	2	0.18
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	2	0.18
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	2	0.18
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	11	0.18
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	11	0.18
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	11	0.18
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	11	0.18
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	11	0.18
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	11	0.18
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	6	0.18
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	6	0.18
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	6	0.18
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	17	0.18
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	17	0.18
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	17	0.18
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	19	0.18
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	19	0.18
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	20	0.18
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	20	0.18
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	20	0.18
(1,2676)	1:100:A:ILE:HD11	1:111:A:MET:HE1	11	0.18
(1,2676)	1:100:A:ILE:HD11	1:111:A:MET:HE2	11	0.18
(1,2676)	1:100:A:ILE:HD11	1:111:A:MET:HE3	11	0.18
(1,2676)	1:100:A:ILE:HD12	1:111:A:MET:HE1	11	0.18
(1,2676)	1:100:A:ILE:HD12	1:111:A:MET:HE2	11	0.18
(1,2676)	1:100:A:ILE:HD12	1:111:A:MET:HE3	11	0.18
(1,2676)	1:100:A:ILE:HD13	1:111:A:MET:HE1	11	0.18
(1,2676)	1:100:A:ILE:HD13	1:111:A:MET:HE2	11	0.18
(1,2676)	1:100:A:ILE:HD13	1:111:A:MET:HE3	11	0.18
(1,2661)	1:1:A:MET:HE1	1:50:A:THR:HB	13	0.18
(1,2661)	1:1:A:MET:HE2	1:50:A:THR:HB	13	0.18
(1,2661)	1:1:A:MET:HE3	1:50:A:THR:HB	13	0.18
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	2	0.18
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	11	0.18
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	12	0.18
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	20	0.18
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	20	0.18
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	15	0.18
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	18	0.18
(1,2589)	1:153:A:ASP:HB2	1:155:A:ALA:H	17	0.18
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	9	0.18
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	12	0.18
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	3	0.18
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	16	0.18
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	16	0.18
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	16	0.18
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	10	0.18
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	10	0.18
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	10	0.18
(1,2446)	1:160:A:VAL:HG11	1:164:A:ARG:HD2	18	0.18
(1,2446)	1:160:A:VAL:HG11	1:164:A:ARG:HD3	18	0.18
(1,2446)	1:160:A:VAL:HG12	1:164:A:ARG:HD2	18	0.18
(1,2446)	1:160:A:VAL:HG12	1:164:A:ARG:HD3	18	0.18
(1,2446)	1:160:A:VAL:HG13	1:164:A:ARG:HD2	18	0.18
(1,2446)	1:160:A:VAL:HG13	1:164:A:ARG:HD3	18	0.18
(1,2446)	1:160:A:VAL:HG21	1:164:A:ARG:HD2	18	0.18
(1,2446)	1:160:A:VAL:HG21	1:164:A:ARG:HD3	18	0.18
(1,2446)	1:160:A:VAL:HG22	1:164:A:ARG:HD2	18	0.18
(1,2446)	1:160:A:VAL:HG22	1:164:A:ARG:HD3	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2446)	1:160:A:VAL:HG23	1:164:A:ARG:HD2	18	0.18
(1,2446)	1:160:A:VAL:HG23	1:164:A:ARG:HD3	18	0.18
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	20	0.18
(1,2429)	1:163:A:ILE:HA	1:166:A:HIS:HB2	18	0.18
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	18	0.18
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	18	0.18
(1,2407)	1:162:A:GLU:HA	1:164:A:ARG:H	16	0.18
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	20	0.18
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	20	0.18
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	20	0.18
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	20	0.18
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	20	0.18
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	20	0.18
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	20	0.18
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	20	0.18
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	20	0.18
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB2	17	0.18
(1,2360)	1:158:A:THR:HG21	1:159:A:LEU:HB3	17	0.18
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB2	17	0.18
(1,2360)	1:158:A:THR:HG22	1:159:A:LEU:HB3	17	0.18
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB2	17	0.18
(1,2360)	1:158:A:THR:HG23	1:159:A:LEU:HB3	17	0.18
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	9	0.18
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	5	0.18
(1,2306)	1:135:A:ARG:H	1:135:A:ARG:HE	20	0.18
(1,2305)	1:44:A:VAL:H	1:51:A:CYS:H	2	0.18
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	18	0.18
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	18	0.18
(1,2286)	1:150:A:GLN:HG3	1:151:A:GLY:HA2	6	0.18
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	16	0.18
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	1	0.18
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	1	0.18
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	10	0.18
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	10	0.18
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	2	0.18
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	12	0.18
(1,2221)	1:147:A:LYS:HG3	1:148:A:THR:HA	15	0.18
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	6	0.18
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	6	0.18
(1,2200)	1:139:A:ILE:HA	1:140:A:PRO:HG2	18	0.18
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	18	0.18
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	12	0.18
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	17	0.18
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	19	0.18
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	19	0.18
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	19	0.18
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	19	0.18
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	19	0.18
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	19	0.18
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	19	0.18
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	19	0.18
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	19	0.18
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	18	0.18
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	12	0.18
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	12	0.18
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	1	0.18
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	2	0.18
(1,2003)	1:123:A:ARG:HG2	1:126:A:ASP:HA	2	0.18
(1,2003)	1:123:A:ARG:HG3	1:126:A:ASP:HA	2	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	6	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	6	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	6	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	6	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	6	0.18
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	6	0.18
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD2	17	0.18
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD3	17	0.18
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	19	0.18
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG12	6	0.18
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG13	6	0.18
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG12	6	0.18
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG13	6	0.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	17	0.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	17	0.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	17	0.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	17	0.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	17	0.18
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	17	0.18
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG21	20	0.18
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG22	20	0.18
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG23	20	0.18
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG21	20	0.18
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG22	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG23	20	0.18
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	12	0.18
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	12	0.18
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	12	0.18
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	12	0.18
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	12	0.18
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	12	0.18
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	17	0.18
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	1	0.18
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	9	0.18
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	12	0.18
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	7	0.18
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG2	12	0.18
(1,1533)	1:88:A:LYS:HA	1:91:A:GLU:HG3	12	0.18
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	2	0.18
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	2	0.18
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	2	0.18
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	2	0.18
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	2	0.18
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	2	0.18
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG2	1	0.18
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG3	1	0.18
(1,1502)	1:97:A:ARG:HD3	1:137:A:TYR:HE1	18	0.18
(1,1502)	1:97:A:ARG:HD3	1:137:A:TYR:HE2	18	0.18
(1,1436)	1:79:A:LEU:HD11	1:156:A:PHE:HB3	1	0.18
(1,1436)	1:79:A:LEU:HD12	1:156:A:PHE:HB3	1	0.18
(1,1436)	1:79:A:LEU:HD13	1:156:A:PHE:HB3	1	0.18
(1,1436)	1:79:A:LEU:HD21	1:156:A:PHE:HB3	1	0.18
(1,1436)	1:79:A:LEU:HD22	1:156:A:PHE:HB3	1	0.18
(1,1436)	1:79:A:LEU:HD23	1:156:A:PHE:HB3	1	0.18
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	11	0.18
(1,1348)	1:73:A:ARG:HA	1:73:A:ARG:HD3	2	0.18
(1,1348)	1:73:A:ARG:HA	1:73:A:ARG:HD3	11	0.18
(1,1336)	1:102:A:ARG:HB3	1:102:A:ARG:HD2	8	0.18
(1,1336)	1:102:A:ARG:HB3	1:102:A:ARG:HD3	8	0.18
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	20	0.18
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	20	0.18
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD1	18	0.18
(1,1284)	1:67:A:MET:HG2	1:71:A:TYR:HD2	18	0.18
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD1	18	0.18
(1,1284)	1:67:A:MET:HG3	1:71:A:TYR:HD2	18	0.18
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	5	0.18
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	9	0.18
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	9	0.18
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	9	0.18
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	9	0.18
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	9	0.18
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	9	0.18
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	5	0.18
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	5	0.18
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	5	0.18
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	7	0.18
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	7	0.18
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	7	0.18
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	7	0.18
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	7	0.18
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	7	0.18
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	7	0.18
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	7	0.18
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	7	0.18
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	7	0.18
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	7	0.18
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	7	0.18
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG11	5	0.18
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG12	5	0.18
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG13	5	0.18
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG21	5	0.18
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG22	5	0.18
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG23	5	0.18
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	7	0.18
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	7	0.18
(1,1044)	1:125:A:VAL:HG11	1:129:A:GLN:HE22	14	0.18
(1,1044)	1:125:A:VAL:HG12	1:129:A:GLN:HE22	14	0.18
(1,1044)	1:125:A:VAL:HG13	1:129:A:GLN:HE22	14	0.18
(1,1025)	1:15:A:GLY:HA3	1:116:A:ASN:HD21	19	0.18
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	5	0.18
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	5	0.18
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	10	0.18
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	10	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	2	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	2	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	2	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	2	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	2	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	2	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	2	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	2	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	2	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	2	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	2	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD11	13	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD12	13	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD13	13	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD21	13	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD22	13	0.18
(1,974)	1:43:A:GLN:HG2	1:52:A:LEU:HD23	13	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD11	13	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD12	13	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD13	13	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD21	13	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD22	13	0.18
(1,974)	1:43:A:GLN:HG3	1:52:A:LEU:HD23	13	0.18
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	13	0.18
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	2	0.18
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	2	0.18
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	13	0.18
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	7	0.18
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	7	0.18
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	11	0.18
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	1	0.18
(1,770)	1:59:A:ALA:HB1	1:61:A:GLN:H	18	0.18
(1,770)	1:59:A:ALA:HB2	1:61:A:GLN:H	18	0.18
(1,770)	1:59:A:ALA:HB3	1:61:A:GLN:H	18	0.18
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	14	0.18
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	5	0.18
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	5	0.18
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	5	0.18
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	12	0.18
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	20	0.18
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB2	11	0.18
(1,594)	1:6:A:LEU:HD11	1:54:A:ASP:HB3	11	0.18
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB2	11	0.18
(1,594)	1:6:A:LEU:HD12	1:54:A:ASP:HB3	11	0.18
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB2	11	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,594)	1:6:A:LEU:HD13	1:54:A:ASP:HB3	11	0.18
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB2	11	0.18
(1,594)	1:6:A:LEU:HD21	1:54:A:ASP:HB3	11	0.18
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB2	11	0.18
(1,594)	1:6:A:LEU:HD22	1:54:A:ASP:HB3	11	0.18
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB2	11	0.18
(1,594)	1:6:A:LEU:HD23	1:54:A:ASP:HB3	11	0.18
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	4	0.18
(1,567)	1:19:A:LEU:H	1:156:A:PHE:HZ	19	0.18
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	16	0.18
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	19	0.18
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	4	0.18
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	4	0.18
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	4	0.18
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	5	0.18
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	5	0.18
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	5	0.18
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD1	19	0.18
(1,440)	1:21:A:ILE:HD11	1:40:A:TYR:HD2	19	0.18
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD1	19	0.18
(1,440)	1:21:A:ILE:HD12	1:40:A:TYR:HD2	19	0.18
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD1	19	0.18
(1,440)	1:21:A:ILE:HD13	1:40:A:TYR:HD2	19	0.18
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	11	0.18
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	11	0.18
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	14	0.18
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	14	0.18
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	15	0.18
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	15	0.18
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	8	0.18
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	8	0.18
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	18	0.18
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	6	0.18
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	8	0.18
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	8	0.18
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	8	0.18
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	8	0.18
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	8	0.18
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	8	0.18
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	8	0.18
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	8	0.18
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	8	0.18
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	8	0.18
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	8	0.18
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE1	16	0.18
(1,310)	1:23:A:LEU:HA	1:156:A:PHE:HE2	16	0.18
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	8	0.18
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	8	0.18
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	5	0.18
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	5	0.18
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	5	0.18
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	17	0.18
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	1	0.18
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	1	0.18
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	1	0.18
(1,241)	1:24:A:ILE:HD11	1:40:A:TYR:HA	2	0.18
(1,241)	1:24:A:ILE:HD12	1:40:A:TYR:HA	2	0.18
(1,241)	1:24:A:ILE:HD13	1:40:A:TYR:HA	2	0.18
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	12	0.18
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	12	0.18
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	12	0.18
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	16	0.18
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	16	0.18
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	16	0.18
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	6	0.18
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	6	0.18
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	9	0.18
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	9	0.18
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	9	0.18
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	9	0.18
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	9	0.18
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	9	0.18
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	5	0.18
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	4	0.18
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	4	0.18
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	4	0.18
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	11	0.18
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	11	0.18
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	11	0.18
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	18	0.18
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	18	0.18
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	18	0.18
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD11	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD12	19	0.18
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD13	19	0.18
(1,119)	1:97:A:ARG:HG2	1:98:A:GLU:H	4	0.18
(1,119)	1:97:A:ARG:HG3	1:98:A:GLU:H	4	0.18
(1,112)	1:23:A:LEU:HD11	1:156:A:PHE:HZ	15	0.18
(1,112)	1:23:A:LEU:HD12	1:156:A:PHE:HZ	15	0.18
(1,112)	1:23:A:LEU:HD13	1:156:A:PHE:HZ	15	0.18
(1,112)	1:23:A:LEU:HD21	1:156:A:PHE:HZ	15	0.18
(1,112)	1:23:A:LEU:HD22	1:156:A:PHE:HZ	15	0.18
(1,112)	1:23:A:LEU:HD23	1:156:A:PHE:HZ	15	0.18
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	1	0.18
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	5	0.18
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	5	0.18
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	5	0.18
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	16	0.18
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	16	0.18
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	16	0.18
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	16	0.18
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	16	0.18
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	16	0.18
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	18	0.18
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	18	0.18
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	18	0.18
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	18	0.18
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	18	0.18
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	18	0.18
(1,24)	1:106:A:SER:HB2	1:107:A:GLU:H	20	0.18
(1,1)	1:10:A:GLY:HA2	1:81:A:VAL:HB	3	0.18
(1,1)	1:10:A:GLY:HA3	1:81:A:VAL:HB	3	0.18
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	13	0.17
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	4	0.17
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	16	0.17
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	19	0.17
(1,3277)	1:112:A:VAL:H	1:159:A:LEU:HA	10	0.17
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	7	0.17
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	7	0.17
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	7	0.17
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	16	0.17
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	16	0.17
(1,3124)	1:14:A:VAL:HB	1:82:A:PHE:H	18	0.17
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	18	0.17
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	18	0.17
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	18	0.17
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	18	0.17
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	18	0.17
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	17	0.17
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	1	0.17
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	1	0.17
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	1	0.17
(1,3062)	1:9:A:VAL:HB	1:81:A:VAL:H	1	0.17
(1,2994)	1:41:A:ARG:HE	1:54:A:ASP:HA	6	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	2	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	7	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	12	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	13	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	15	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	16	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	18	0.17
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	20	0.17
(1,2935)	1:73:A:ARG:H	1:73:A:ARG:HE	19	0.17
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	7	0.17
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	10	0.17
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	10	0.17
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	10	0.17
(1,2768)	1:145:A:SER:H	1:150:A:GLN:HG3	10	0.17
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	20	0.17
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	20	0.17
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	20	0.17
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	1	0.17
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	1	0.17
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	1	0.17
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	16	0.17
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	16	0.17
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	16	0.17
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	2	0.17
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	2	0.17
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	2	0.17
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	10	0.17
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	10	0.17
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	10	0.17
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	11	0.17
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	11	0.17
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG11	5	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG12	5	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG13	5	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG11	5	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG12	5	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG13	5	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG11	5	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG12	5	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG13	5	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG11	16	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG12	16	0.17
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG13	16	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG11	16	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG12	16	0.17
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG13	16	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG11	16	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG12	16	0.17
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG13	16	0.17
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	1	0.17
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	1	0.17
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	1	0.17
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	7	0.17
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	16	0.17
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	2	0.17
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	2	0.17
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	10	0.17
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	10	0.17
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	10	0.17
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	10	0.17
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	10	0.17
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	10	0.17
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	10	0.17
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	10	0.17
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	10	0.17
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	10	0.17
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	10	0.17
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	10	0.17
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	18	0.17
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	12	0.17
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	19	0.17
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	19	0.17
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	9	0.17
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	9	0.17
(1,2461)	1:167:A:LYS:HB3	1:168:A:GLU:H	6	0.17
(1,2450)	1:165:A:LYS:H	1:165:A:LYS:HE2	1	0.17
(1,2450)	1:165:A:LYS:H	1:165:A:LYS:HE3	1	0.17
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	4	0.17
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	16	0.17
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	4	0.17
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	9	0.17
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	16	0.17
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	3	0.17
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	3	0.17
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	18	0.17
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	3	0.17
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	3	0.17
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	7	0.17
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	7	0.17
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	7	0.17
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	7	0.17
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	7	0.17
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	7	0.17
(1,2351)	1:4:A:TYR:HE1	1:164:A:ARG:HA	18	0.17
(1,2351)	1:4:A:TYR:HE2	1:164:A:ARG:HA	18	0.17
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	6	0.17
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	19	0.17
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	12	0.17
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	12	0.17
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	12	0.17
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	1	0.17
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	1	0.17
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	8	0.17
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	8	0.17
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	8	0.17
(1,2196)	1:118:A:SER:HB3	1:143:A:GLU:HG3	15	0.17
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG2	17	0.17
(1,2195)	1:118:A:SER:HB2	1:143:A:GLU:HG3	17	0.17
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG2	17	0.17
(1,2195)	1:118:A:SER:HB3	1:143:A:GLU:HG3	17	0.17
(1,2157)	1:15:A:GLY:H	1:17:A:SER:H	18	0.17
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD21	9	0.17
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD22	9	0.17
(1,2104)	1:130:A:ALA:HA	1:133:A:LEU:HD23	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	2	0.17
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	2	0.17
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	2	0.17
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	2	0.17
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	2	0.17
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	2	0.17
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	4	0.17
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	6	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	14	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	14	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	14	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	14	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	14	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	14	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	16	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	16	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	16	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	16	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	16	0.17
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	16	0.17
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB1	10	0.17
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB2	10	0.17
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB3	10	0.17
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB1	10	0.17
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB2	10	0.17
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB3	10	0.17
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB1	10	0.17
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB2	10	0.17
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB3	10	0.17
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB2	7	0.17
(1,2007)	1:123:A:ARG:HD2	1:126:A:ASP:HB3	7	0.17
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB2	7	0.17
(1,2007)	1:123:A:ARG:HD3	1:126:A:ASP:HB3	7	0.17
(1,1941)	1:121:A:PRO:HG3	1:122:A:SER:H	20	0.17
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD1	18	0.17
(1,1929)	1:153:A:ASP:HB2	1:157:A:TYR:HD2	18	0.17
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD1	18	0.17
(1,1929)	1:153:A:ASP:HB3	1:157:A:TYR:HD2	18	0.17
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	6	0.17
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	6	0.17
(1,1898)	1:83:A:ALA:HB1	1:116:A:ASN:HB2	8	0.17
(1,1898)	1:83:A:ALA:HB1	1:116:A:ASN:HB3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1898)	1:83:A:ALA:HB2	1:116:A:ASN:HB2	8	0.17
(1,1898)	1:83:A:ALA:HB2	1:116:A:ASN:HB3	8	0.17
(1,1898)	1:83:A:ALA:HB3	1:116:A:ASN:HB2	8	0.17
(1,1898)	1:83:A:ALA:HB3	1:116:A:ASN:HB3	8	0.17
(1,1885)	1:115:A:GLY:HA3	1:130:A:ALA:HB1	10	0.17
(1,1885)	1:115:A:GLY:HA3	1:130:A:ALA:HB2	10	0.17
(1,1885)	1:115:A:GLY:HA3	1:130:A:ALA:HB3	10	0.17
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	18	0.17
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	18	0.17
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	18	0.17
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	13	0.17
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	13	0.17
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	13	0.17
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	13	0.17
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	13	0.17
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	13	0.17
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD21	2	0.17
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD22	2	0.17
(1,1854)	1:90:A:PHE:HE1	1:113:A:LEU:HD23	2	0.17
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD21	2	0.17
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD22	2	0.17
(1,1854)	1:90:A:PHE:HE2	1:113:A:LEU:HD23	2	0.17
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	12	0.17
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG12	17	0.17
(1,1829)	1:4:A:TYR:HD1	1:163:A:ILE:HG13	17	0.17
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG12	17	0.17
(1,1829)	1:4:A:TYR:HD2	1:163:A:ILE:HG13	17	0.17
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	4	0.17
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	8	0.17
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	15	0.17
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	19	0.17
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	17	0.17
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	17	0.17
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	17	0.17
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	17	0.17
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	17	0.17
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	17	0.17
(1,1747)	1:141:A:PHE:HZ	1:143:A:GLU:HG3	20	0.17
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG2	18	0.17
(1,1734)	1:78:A:PHE:HZ	1:104:A:LYS:HG3	18	0.17
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	11	0.17
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	11	0.17
(1,1729)	1:78:A:PHE:HZ	1:104:A:LYS:HE2	13	0.17
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	5	0.17
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	9	0.17
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	20	0.17
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	4	0.17
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	11	0.17
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	15	0.17
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	11	0.17
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	11	0.17
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	11	0.17
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	11	0.17
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	11	0.17
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	11	0.17
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	17	0.17
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG11	14	0.17
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG12	14	0.17
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG13	14	0.17
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG21	14	0.17
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG22	14	0.17
(1,1521)	1:87:A:THR:HB	1:125:A:VAL:HG23	14	0.17
(1,1436)	1:79:A:LEU:HD11	1:156:A:PHE:HB3	5	0.17
(1,1436)	1:79:A:LEU:HD12	1:156:A:PHE:HB3	5	0.17
(1,1436)	1:79:A:LEU:HD13	1:156:A:PHE:HB3	5	0.17
(1,1436)	1:79:A:LEU:HD21	1:156:A:PHE:HB3	5	0.17
(1,1436)	1:79:A:LEU:HD22	1:156:A:PHE:HB3	5	0.17
(1,1436)	1:79:A:LEU:HD23	1:156:A:PHE:HB3	5	0.17
(1,1411)	1:5:A:LYS:HB2	1:76:A:GLU:HG3	13	0.17
(1,1411)	1:5:A:LYS:HB3	1:76:A:GLU:HG3	13	0.17
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	7	0.17
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	7	0.17
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	12	0.17
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	10	0.17
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	10	0.17
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	10	0.17
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	10	0.17
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	10	0.17
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	10	0.17
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	16	0.17
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB2	12	0.17
(1,1264)	1:63:A:GLU:HG2	1:64:A:TYR:HB3	12	0.17
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1264)	1:63:A:GLU:HG3	1:64:A:TYR:HB3	12	0.17
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG2	20	0.17
(1,1261)	1:96:A:TYR:H	1:98:A:GLU:HG3	20	0.17
(1,1253)	1:102:A:ARG:HB2	1:103:A:VAL:H	20	0.17
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	14	0.17
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	1	0.17
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	7	0.17
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	7	0.17
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	7	0.17
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	7	0.17
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	7	0.17
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	7	0.17
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	4	0.17
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	4	0.17
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	4	0.17
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	4	0.17
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	4	0.17
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	4	0.17
(1,1187)	1:56:A:LEU:HD11	1:71:A:TYR:HB2	3	0.17
(1,1187)	1:56:A:LEU:HD12	1:71:A:TYR:HB2	3	0.17
(1,1187)	1:56:A:LEU:HD13	1:71:A:TYR:HB2	3	0.17
(1,1187)	1:56:A:LEU:HD21	1:71:A:TYR:HB2	3	0.17
(1,1187)	1:56:A:LEU:HD22	1:71:A:TYR:HB2	3	0.17
(1,1187)	1:56:A:LEU:HD23	1:71:A:TYR:HB2	3	0.17
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	14	0.17
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	14	0.17
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	14	0.17
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	16	0.17
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	16	0.17
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	16	0.17
(1,1032)	1:45:A:VAL:HA	1:46:A:ILE:HB	5	0.17
(1,1025)	1:15:A:GLY:HA3	1:116:A:ASN:HD21	18	0.17
(1,986)	1:44:A:VAL:HG21	1:45:A:VAL:H	9	0.17
(1,986)	1:44:A:VAL:HG22	1:45:A:VAL:H	9	0.17
(1,986)	1:44:A:VAL:HG23	1:45:A:VAL:H	9	0.17
(1,965)	1:43:A:GLN:HE22	1:50:A:THR:HB	17	0.17
(1,929)	1:42:A:LYS:HB2	1:42:A:LYS:HE2	2	0.17
(1,929)	1:42:A:LYS:HB2	1:42:A:LYS:HE3	2	0.17
(1,929)	1:42:A:LYS:HB3	1:42:A:LYS:HE2	2	0.17
(1,929)	1:42:A:LYS:HB3	1:42:A:LYS:HE3	2	0.17
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	19	0.17
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:24:A:ILE:HA	1:42:A:LYS:HD2	16	0.17
(1,885)	1:161:A:ARG:HA	1:164:A:ARG:HE	7	0.17
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	9	0.17
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	11	0.17
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	11	0.17
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	11	0.17
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	1	0.17
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	1	0.17
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	6	0.17
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	6	0.17
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	6	0.17
(1,792)	1:40:A:TYR:HA	1:41:A:ARG:HB2	13	0.17
(1,792)	1:40:A:TYR:HA	1:41:A:ARG:HB3	13	0.17
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	12	0.17
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	18	0.17
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	7	0.17
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	7	0.17
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	7	0.17
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	4	0.17
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	4	0.17
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	4	0.17
(1,698)	1:86:A:ASN:HB2	1:89:A:SER:H	1	0.17
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG11	4	0.17
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG12	4	0.17
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG13	4	0.17
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG21	4	0.17
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG22	4	0.17
(1,671)	1:69:A:ASP:HA	1:103:A:VAL:HG23	4	0.17
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	12	0.17
(1,605)	1:36:A:ILE:HD11	1:37:A:GLU:H	9	0.17
(1,605)	1:36:A:ILE:HD12	1:37:A:GLU:H	9	0.17
(1,605)	1:36:A:ILE:HD13	1:37:A:GLU:H	9	0.17
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	8	0.17
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	6	0.17
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	3	0.17
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	3	0.17
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	3	0.17
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	9	0.17
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	9	0.17
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	9	0.17
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	9	0.17
(1,436)	1:61:A:GLN:HG2	1:62:A:GLU:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:61:A:GLN:HG3	1:62:A:GLU:H	2	0.17
(1,410)	1:24:A:ILE:HG21	1:25:A:GLN:HB3	2	0.17
(1,410)	1:24:A:ILE:HG22	1:25:A:GLN:HB3	2	0.17
(1,410)	1:24:A:ILE:HG23	1:25:A:GLN:HB3	2	0.17
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	1	0.17
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	1	0.17
(1,317)	1:42:A:LYS:HG2	1:44:A:VAL:H	17	0.17
(1,317)	1:42:A:LYS:HG3	1:44:A:VAL:H	17	0.17
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	3	0.17
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	15	0.17
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	15	0.17
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	18	0.17
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	18	0.17
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	10	0.17
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	10	0.17
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	10	0.17
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	11	0.17
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	11	0.17
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	12	0.17
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	7	0.17
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	7	0.17
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	7	0.17
(1,194)	1:15:A:GLY:HA3	2:201:A:GNP:H1'	2	0.17
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	8	0.17
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	8	0.17
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	8	0.17
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	8	0.17
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	8	0.17
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	8	0.17
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD11	9	0.17
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD12	9	0.17
(1,167)	1:80:A:CYS:H	1:93:A:ILE:HD13	9	0.17
(1,164)	1:83:A:ALA:H	1:86:A:ASN:HB2	2	0.17
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	5	0.17
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	5	0.17
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	5	0.17
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	1	0.17
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	1	0.17
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	1	0.17
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	1	0.17
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	1	0.17
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	15	0.17
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	15	0.17
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	3	0.17
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	3	0.17
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	3	0.17
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	3	0.17
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	3	0.17
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	3	0.17
(1,60)	1:14:A:VAL:HG11	1:89:A:SER:H	13	0.17
(1,60)	1:14:A:VAL:HG12	1:89:A:SER:H	13	0.17
(1,60)	1:14:A:VAL:HG13	1:89:A:SER:H	13	0.17
(1,60)	1:14:A:VAL:HG21	1:89:A:SER:H	13	0.17
(1,60)	1:14:A:VAL:HG22	1:89:A:SER:H	13	0.17
(1,60)	1:14:A:VAL:HG23	1:89:A:SER:H	13	0.17
(2,2)	3:202:A:MG:MG	2:201:A:GNP:O2B	17	0.16
(1,3332)	1:104:A:LYS:HE3	1:109:A:VAL:H	9	0.16
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	17	0.16
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	3	0.16
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	9	0.16
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	20	0.16
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	7	0.16
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	7	0.16
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	7	0.16
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	8	0.16
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	13	0.16
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	3	0.16
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	3	0.16
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	3	0.16
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	1	0.16
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	5	0.16
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	6	0.16
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	11	0.16
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	9	0.16
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	16	0.16
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	6	0.16
(1,2913)	1:28:A:PHE:HE1	1:147:A:LYS:HD2	4	0.16
(1,2913)	1:28:A:PHE:HE2	1:147:A:LYS:HD2	4	0.16
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE1	8	0.16
(1,2887)	1:21:A:ILE:HG13	1:40:A:TYR:HE2	8	0.16
(1,2883)	1:138:A:GLY:H	1:139:A:ILE:HG13	1	0.16
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	3	0.16
(1,2764)	1:19:A:LEU:HG	1:146:A:ALA:H	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2762)	1:102:A:ARG:H	1:102:A:ARG:HE	16	0.16
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	17	0.16
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	17	0.16
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	17	0.16
(1,2728)	1:11:A:ALA:HB1	1:14:A:VAL:HG11	12	0.16
(1,2728)	1:11:A:ALA:HB1	1:14:A:VAL:HG12	12	0.16
(1,2728)	1:11:A:ALA:HB1	1:14:A:VAL:HG13	12	0.16
(1,2728)	1:11:A:ALA:HB1	1:14:A:VAL:HG21	12	0.16
(1,2728)	1:11:A:ALA:HB1	1:14:A:VAL:HG22	12	0.16
(1,2728)	1:11:A:ALA:HB1	1:14:A:VAL:HG23	12	0.16
(1,2728)	1:11:A:ALA:HB2	1:14:A:VAL:HG11	12	0.16
(1,2728)	1:11:A:ALA:HB2	1:14:A:VAL:HG12	12	0.16
(1,2728)	1:11:A:ALA:HB2	1:14:A:VAL:HG13	12	0.16
(1,2728)	1:11:A:ALA:HB2	1:14:A:VAL:HG21	12	0.16
(1,2728)	1:11:A:ALA:HB2	1:14:A:VAL:HG22	12	0.16
(1,2728)	1:11:A:ALA:HB2	1:14:A:VAL:HG23	12	0.16
(1,2728)	1:11:A:ALA:HB3	1:14:A:VAL:HG11	12	0.16
(1,2728)	1:11:A:ALA:HB3	1:14:A:VAL:HG12	12	0.16
(1,2728)	1:11:A:ALA:HB3	1:14:A:VAL:HG13	12	0.16
(1,2728)	1:11:A:ALA:HB3	1:14:A:VAL:HG21	12	0.16
(1,2728)	1:11:A:ALA:HB3	1:14:A:VAL:HG22	12	0.16
(1,2728)	1:11:A:ALA:HB3	1:14:A:VAL:HG23	12	0.16
(1,2717)	1:147:A:LYS:H	1:147:A:LYS:HB2	12	0.16
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	1	0.16
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	1	0.16
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	13	0.16
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	13	0.16
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	13	0.16
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	15	0.16
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	15	0.16
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	15	0.16
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	5	0.16
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	18	0.16
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG11	7	0.16
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG12	7	0.16
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG13	7	0.16
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG11	7	0.16
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG12	7	0.16
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG13	7	0.16
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG11	7	0.16
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG12	7	0.16
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG13	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2679)	1:78:A:PHE:HD1	1:111:A:MET:HE1	11	0.16
(1,2679)	1:78:A:PHE:HD1	1:111:A:MET:HE2	11	0.16
(1,2679)	1:78:A:PHE:HD1	1:111:A:MET:HE3	11	0.16
(1,2679)	1:78:A:PHE:HD2	1:111:A:MET:HE1	11	0.16
(1,2679)	1:78:A:PHE:HD2	1:111:A:MET:HE2	11	0.16
(1,2679)	1:78:A:PHE:HD2	1:111:A:MET:HE3	11	0.16
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	4	0.16
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	4	0.16
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	4	0.16
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	17	0.16
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	3	0.16
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	3	0.16
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	13	0.16
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	7	0.16
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	7	0.16
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	7	0.16
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	7	0.16
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	7	0.16
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	7	0.16
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	7	0.16
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	7	0.16
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	7	0.16
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	7	0.16
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	7	0.16
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	7	0.16
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	11	0.16
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	11	0.16
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	11	0.16
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	11	0.16
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	11	0.16
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	11	0.16
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	11	0.16
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	11	0.16
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	11	0.16
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	11	0.16
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	11	0.16
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	11	0.16
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	1	0.16
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	16	0.16
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	17	0.16
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	7	0.16
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2501)	1:159:A:LEU:HD11	1:163:A:ILE:H	16	0.16
(1,2501)	1:159:A:LEU:HD12	1:163:A:ILE:H	16	0.16
(1,2501)	1:159:A:LEU:HD13	1:163:A:ILE:H	16	0.16
(1,2501)	1:159:A:LEU:HD21	1:163:A:ILE:H	16	0.16
(1,2501)	1:159:A:LEU:HD22	1:163:A:ILE:H	16	0.16
(1,2501)	1:159:A:LEU:HD23	1:163:A:ILE:H	16	0.16
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE2	7	0.16
(1,2470)	1:163:A:ILE:HG21	1:167:A:LYS:HE3	7	0.16
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE2	7	0.16
(1,2470)	1:163:A:ILE:HG22	1:167:A:LYS:HE3	7	0.16
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE2	7	0.16
(1,2470)	1:163:A:ILE:HG23	1:167:A:LYS:HE3	7	0.16
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	10	0.16
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	10	0.16
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	12	0.16
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	12	0.16
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	15	0.16
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	19	0.16
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	19	0.16
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	19	0.16
(1,2407)	1:162:A:GLU:HA	1:164:A:ARG:H	6	0.16
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD21	9	0.16
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD22	9	0.16
(1,2384)	1:78:A:PHE:HA	1:159:A:LEU:HD23	9	0.16
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	20	0.16
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	19	0.16
(1,2299)	1:153:A:ASP:HA	1:157:A:TYR:HD1	20	0.16
(1,2299)	1:153:A:ASP:HA	1:157:A:TYR:HD2	20	0.16
(1,2289)	1:151:A:GLY:HA2	1:155:A:ALA:HB1	15	0.16
(1,2289)	1:151:A:GLY:HA2	1:155:A:ALA:HB2	15	0.16
(1,2289)	1:151:A:GLY:HA2	1:155:A:ALA:HB3	15	0.16
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	12	0.16
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	2	0.16
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	2	0.16
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	14	0.16
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	14	0.16
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG21	15	0.16
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG22	15	0.16
(1,2236)	1:147:A:LYS:HB3	1:148:A:THR:HG23	15	0.16
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG21	3	0.16
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG22	3	0.16
(1,2232)	1:118:A:SER:H	1:148:A:THR:HG23	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG21	2	0.16
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG22	2	0.16
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG23	2	0.16
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	13	0.16
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	13	0.16
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	13	0.16
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	13	0.16
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	13	0.16
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	13	0.16
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	18	0.16
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	19	0.16
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	20	0.16
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	20	0.16
(1,2087)	1:153:A:ASP:HA	1:155:A:ALA:H	11	0.16
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	12	0.16
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	12	0.16
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	12	0.16
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	12	0.16
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	12	0.16
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	12	0.16
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	12	0.16
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	12	0.16
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	12	0.16
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	12	0.16
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	13	0.16
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	20	0.16
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	9	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB1	11	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB2	11	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB3	11	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB1	11	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB2	11	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB3	11	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB1	11	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB2	11	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB3	11	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB1	20	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB2	20	0.16
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB3	20	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB1	20	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB2	20	0.16
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB1	20	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB2	20	0.16
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB3	20	0.16
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	9	0.16
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	9	0.16
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	18	0.16
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	19	0.16
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	19	0.16
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	19	0.16
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	19	0.16
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	19	0.16
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	19	0.16
(1,1843)	1:111:A:MET:HA	1:139:A:ILE:HG12	12	0.16
(1,1822)	1:112:A:VAL:HA	1:139:A:ILE:HG12	18	0.16
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	10	0.16
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	20	0.16
(1,1793)	1:130:A:ALA:HB1	1:131:A:GLN:HB2	1	0.16
(1,1793)	1:130:A:ALA:HB2	1:131:A:GLN:HB2	1	0.16
(1,1793)	1:130:A:ALA:HB3	1:131:A:GLN:HB2	1	0.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	8	0.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	8	0.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	8	0.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	8	0.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	8	0.16
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	8	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	9	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	9	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	9	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	9	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	9	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	9	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	19	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	19	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	19	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	19	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	19	0.16
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	19	0.16
(1,1696)	1:113:A:LEU:HG	1:141:A:PHE:HA	9	0.16
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	16	0.16
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	19	0.16
(1,1624)	1:97:A:ARG:H	1:97:A:ARG:HD2	16	0.16
(1,1598)	1:92:A:ASP:HA	1:95:A:HIS:HB3	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG2	18	0.16
(1,1520)	1:87:A:THR:HB	1:88:A:LYS:HG3	18	0.16
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	13	0.16
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	13	0.16
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE21	20	0.16
(1,1468)	1:99:A:GLN:HA	1:99:A:GLN:HE22	20	0.16
(1,1422)	1:84:A:ILE:HD11	1:126:A:ASP:HA	13	0.16
(1,1422)	1:84:A:ILE:HD12	1:126:A:ASP:HA	13	0.16
(1,1422)	1:84:A:ILE:HD13	1:126:A:ASP:HA	13	0.16
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	9	0.16
(1,1402)	1:85:A:ASN:HB2	1:124:A:THR:H	3	0.16
(1,1402)	1:85:A:ASN:HB3	1:124:A:THR:H	3	0.16
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	5	0.16
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	14	0.16
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	14	0.16
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	14	0.16
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	14	0.16
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	14	0.16
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	14	0.16
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG21	13	0.16
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG22	13	0.16
(1,1381)	1:71:A:TYR:HB3	1:74:A:THR:HG23	13	0.16
(1,1368)	1:73:A:ARG:HB2	1:74:A:THR:HG21	4	0.16
(1,1368)	1:73:A:ARG:HB2	1:74:A:THR:HG22	4	0.16
(1,1368)	1:73:A:ARG:HB2	1:74:A:THR:HG23	4	0.16
(1,1368)	1:73:A:ARG:HB3	1:74:A:THR:HG21	4	0.16
(1,1368)	1:73:A:ARG:HB3	1:74:A:THR:HG22	4	0.16
(1,1368)	1:73:A:ARG:HB3	1:74:A:THR:HG23	4	0.16
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	13	0.16
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	13	0.16
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	8	0.16
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	8	0.16
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	14	0.16
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	14	0.16
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD2	18	0.16
(1,1300)	1:68:A:ARG:HA	1:68:A:ARG:HD3	18	0.16
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	7	0.16
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	7	0.16
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	5	0.16
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	9	0.16
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	11	0.16
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG11	14	0.16
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG12	14	0.16
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG13	14	0.16
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG11	14	0.16
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG12	14	0.16
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG13	14	0.16
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG11	14	0.16
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG12	14	0.16
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG13	14	0.16
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	17	0.16
(1,1186)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	1	0.16
(1,1186)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	1	0.16
(1,1186)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	1	0.16
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	2	0.16
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	2	0.16
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	2	0.16
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	10	0.16
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	10	0.16
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	16	0.16
(1,1117)	1:46:A:ILE:HD11	1:51:A:CYS:HB3	5	0.16
(1,1117)	1:46:A:ILE:HD12	1:51:A:CYS:HB3	5	0.16
(1,1117)	1:46:A:ILE:HD13	1:51:A:CYS:HB3	5	0.16
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	7	0.16
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	19	0.16
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	19	0.16
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	14	0.16
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	14	0.16
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	14	0.16
(1,979)	1:88:A:LYS:HA	1:91:A:GLU:H	4	0.16
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	7	0.16
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	7	0.16
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	7	0.16
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	7	0.16
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	7	0.16
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	7	0.16
(1,897)	1:79:A:LEU:HD11	1:157:A:TYR:H	5	0.16
(1,897)	1:79:A:LEU:HD12	1:157:A:TYR:H	5	0.16
(1,897)	1:79:A:LEU:HD13	1:157:A:TYR:H	5	0.16
(1,897)	1:79:A:LEU:HD21	1:157:A:TYR:H	5	0.16
(1,897)	1:79:A:LEU:HD22	1:157:A:TYR:H	5	0.16
(1,897)	1:79:A:LEU:HD23	1:157:A:TYR:H	5	0.16
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:146:A:ALA:H	2:201:A:GNP:HN1	20	0.16
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	5	0.16
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	5	0.16
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	5	0.16
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	15	0.16
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	15	0.16
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	15	0.16
(1,792)	1:40:A:TYR:HA	1:41:A:ARG:HB2	4	0.16
(1,792)	1:40:A:TYR:HA	1:41:A:ARG:HB3	4	0.16
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	7	0.16
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	10	0.16
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	15	0.16
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	1	0.16
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	1	0.16
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	1	0.16
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	15	0.16
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	15	0.16
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	15	0.16
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	16	0.16
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	16	0.16
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	16	0.16
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	9	0.16
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	15	0.16
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	15	0.16
(1,643)	1:78:A:PHE:H	1:110:A:PRO:HB2	18	0.16
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	3	0.16
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	3	0.16
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB2	18	0.16
(1,595)	1:5:A:LYS:HG2	1:54:A:ASP:HB3	18	0.16
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB2	18	0.16
(1,595)	1:5:A:LYS:HG3	1:54:A:ASP:HB3	18	0.16
(1,555)	1:19:A:LEU:H	1:20:A:THR:HB	20	0.16
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	20	0.16
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	19	0.16
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	19	0.16
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	19	0.16
(1,495)	1:29:A:VAL:HA	1:32:A:TYR:HD1	10	0.16
(1,495)	1:29:A:VAL:HA	1:32:A:TYR:HD2	10	0.16
(1,487)	1:23:A:LEU:HD11	1:156:A:PHE:HD1	15	0.16
(1,487)	1:23:A:LEU:HD11	1:156:A:PHE:HD2	15	0.16
(1,487)	1:23:A:LEU:HD12	1:156:A:PHE:HD1	15	0.16
(1,487)	1:23:A:LEU:HD12	1:156:A:PHE:HD2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:23:A:LEU:HD13	1:156:A:PHE:HD1	15	0.16
(1,487)	1:23:A:LEU:HD13	1:156:A:PHE:HD2	15	0.16
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	7	0.16
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	11	0.16
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	13	0.16
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	19	0.16
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	12	0.16
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	12	0.16
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	12	0.16
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	8	0.16
(1,427)	1:30:A:ASP:HB2	1:31:A:GLU:H	3	0.16
(1,427)	1:30:A:ASP:HB3	1:31:A:GLU:H	3	0.16
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	3	0.16
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	3	0.16
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD2	17	0.16
(1,362)	1:24:A:ILE:HA	1:42:A:LYS:HD3	17	0.16
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	5	0.16
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	5	0.16
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	5	0.16
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	5	0.16
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	5	0.16
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	5	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	6	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	6	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	6	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	6	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	6	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	6	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	7	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	7	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	7	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	7	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	7	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	7	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	8	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	8	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	8	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	8	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	8	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	8	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	9	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	9	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	9	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	9	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	9	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	14	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	14	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	14	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	14	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	14	0.16
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	14	0.16
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	6	0.16
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	6	0.16
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	9	0.16
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	9	0.16
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	12	0.16
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	12	0.16
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	12	0.16
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	1	0.16
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	1	0.16
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD11	18	0.16
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD12	18	0.16
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD13	18	0.16
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD21	18	0.16
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD22	18	0.16
(1,191)	1:43:A:GLN:HA	1:52:A:LEU:HD23	18	0.16
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	2	0.16
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	2	0.16
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	2	0.16
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD11	2	0.16
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD12	2	0.16
(1,147)	1:82:A:PHE:HA	1:93:A:ILE:HD13	2	0.16
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	11	0.16
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	11	0.16
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	11	0.16
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	11	0.16
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	11	0.16
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	11	0.16
(1,84)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	6	0.16
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	12	0.16
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	12	0.16
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	13	0.16
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:18:A:ALA:HB1	2:201:A:GNP:H1'	10	0.16
(1,46)	1:18:A:ALA:HB2	2:201:A:GNP:H1'	10	0.16
(1,46)	1:18:A:ALA:HB3	2:201:A:GNP:H1'	10	0.16
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	12	0.16
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	14	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	5	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	5	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	5	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	5	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	5	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	5	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	5	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	5	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	5	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	5	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	5	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	5	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	5	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	5	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	5	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	5	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	5	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	5	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	5	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	5	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	5	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	5	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	5	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	5	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	5	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	5	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	5	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	5	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	5	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	5	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	5	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	5	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	5	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	5	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	5	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	5	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	10	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	10	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	10	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	10	0.16
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	10	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	10	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	10	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	10	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	10	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	10	0.16
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	10	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	10	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	10	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	10	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	10	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	10	0.16
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	10	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	10	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	10	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	10	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	10	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	10	0.16
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	10	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	10	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	10	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	10	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	10	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	10	0.16
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	10	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	10	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	10	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	10	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	10	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	10	0.16
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	10	0.16
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	10	0.15
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	20	0.15
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE1	13	0.15
(1,3299)	1:9:A:VAL:HG11	1:96:A:TYR:HE2	13	0.15
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE1	13	0.15
(1,3299)	1:9:A:VAL:HG12	1:96:A:TYR:HE2	13	0.15
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE1	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3299)	1:9:A:VAL:HG13	1:96:A:TYR:HE2	13	0.15
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE1	13	0.15
(1,3299)	1:9:A:VAL:HG21	1:96:A:TYR:HE2	13	0.15
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE1	13	0.15
(1,3299)	1:9:A:VAL:HG22	1:96:A:TYR:HE2	13	0.15
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE1	13	0.15
(1,3299)	1:9:A:VAL:HG23	1:96:A:TYR:HE2	13	0.15
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	3	0.15
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	3	0.15
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	15	0.15
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	15	0.15
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	17	0.15
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	17	0.15
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB2	7	0.15
(1,3189)	1:118:A:SER:H	1:145:A:SER:HB3	7	0.15
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	2	0.15
(1,3166)	1:117:A:LYS:HA	1:119:A:ASP:H	19	0.15
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	18	0.15
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	18	0.15
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	18	0.15
(1,3157)	1:82:A:PHE:H	1:113:A:LEU:HD11	10	0.15
(1,3157)	1:82:A:PHE:H	1:113:A:LEU:HD12	10	0.15
(1,3157)	1:82:A:PHE:H	1:113:A:LEU:HD13	10	0.15
(1,3157)	1:82:A:PHE:H	1:113:A:LEU:HD21	10	0.15
(1,3157)	1:82:A:PHE:H	1:113:A:LEU:HD22	10	0.15
(1,3157)	1:82:A:PHE:H	1:113:A:LEU:HD23	10	0.15
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	18	0.15
(1,3111)	1:85:A:ASN:HB2	1:125:A:VAL:H	20	0.15
(1,3111)	1:85:A:ASN:HB3	1:125:A:VAL:H	20	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	17	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	17	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	17	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	17	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	17	0.15
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	17	0.15
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	10	0.15
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	10	0.15
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	13	0.15
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	16	0.15
(1,2980)	1:132:A:ASP:H	1:132:A:ASP:HB3	16	0.15
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	15	0.15
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	1	0.15
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB1	4	0.15
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB2	4	0.15
(1,2745)	1:29:A:VAL:H	1:146:A:ALA:HB3	4	0.15
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	14	0.15
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	14	0.15
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	14	0.15
(1,2733)	1:11:A:ALA:HB1	1:92:A:ASP:H	15	0.15
(1,2733)	1:11:A:ALA:HB2	1:92:A:ASP:H	15	0.15
(1,2733)	1:11:A:ALA:HB3	1:92:A:ASP:H	15	0.15
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD1	6	0.15
(1,2704)	1:134:A:ALA:HB1	1:137:A:TYR:HD2	6	0.15
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD1	6	0.15
(1,2704)	1:134:A:ALA:HB2	1:137:A:TYR:HD2	6	0.15
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD1	6	0.15
(1,2704)	1:134:A:ALA:HB3	1:137:A:TYR:HD2	6	0.15
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	16	0.15
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	10	0.15
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	14	0.15
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	14	0.15
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	10	0.15
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	11	0.15
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	13	0.15
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	13	0.15
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	5	0.15
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	4	0.15
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	4	0.15
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	4	0.15
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD2	7	0.15
(1,2467)	1:165:A:LYS:HA	1:165:A:LYS:HD3	7	0.15
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	10	0.15
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	10	0.15
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	14	0.15
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	14	0.15
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	4	0.15
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	4	0.15
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	4	0.15
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	14	0.15
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	1	0.15
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	2	0.15
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	7	0.15
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	2	0.15
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	12	0.15
(1,2324)	1:144:A:THR:HG21	1:155:A:ALA:HA	16	0.15
(1,2324)	1:144:A:THR:HG22	1:155:A:ALA:HA	16	0.15
(1,2324)	1:144:A:THR:HG23	1:155:A:ALA:HA	16	0.15
(1,2320)	1:112:A:VAL:HB	1:159:A:LEU:H	9	0.15
(1,2308)	1:153:A:ASP:HB2	1:154:A:ASP:HB2	13	0.15
(1,2308)	1:153:A:ASP:HB3	1:154:A:ASP:HB2	13	0.15
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	14	0.15
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	14	0.15
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	1	0.15
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	4	0.15
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	12	0.15
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	12	0.15
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE2	19	0.15
(1,2256)	1:165:A:LYS:HB2	1:165:A:LYS:HE3	19	0.15
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	16	0.15
(1,2200)	1:139:A:ILE:HA	1:140:A:PRO:HG2	2	0.15
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	11	0.15
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	5	0.15
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	5	0.15
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	5	0.15
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	15	0.15
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	18	0.15
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	18	0.15
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	18	0.15
(1,2141)	1:140:A:PRO:HB2	1:158:A:THR:HG21	17	0.15
(1,2141)	1:140:A:PRO:HB2	1:158:A:THR:HG22	17	0.15
(1,2141)	1:140:A:PRO:HB2	1:158:A:THR:HG23	17	0.15
(1,2141)	1:140:A:PRO:HB3	1:158:A:THR:HG21	17	0.15
(1,2141)	1:140:A:PRO:HB3	1:158:A:THR:HG22	17	0.15
(1,2141)	1:140:A:PRO:HB3	1:158:A:THR:HG23	17	0.15
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	6	0.15
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	6	0.15
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	6	0.15
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	7	0.15
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	16	0.15
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	20	0.15
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	20	0.15
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	20	0.15
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	20	0.15
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	20	0.15
(1,2094)	1:159:A:LEU:HA	1:162:A:GLU:HG2	4	0.15
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	11	0.15
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	15	0.15
(1,2056)	1:126:A:ASP:HB2	1:129:A:GLN:HG2	2	0.15
(1,2056)	1:126:A:ASP:HB3	1:129:A:GLN:HG2	2	0.15
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	3	0.15
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	8	0.15
(1,2037)	1:129:A:GLN:HA	1:132:A:ASP:HB3	17	0.15
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB1	5	0.15
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB2	5	0.15
(1,2019)	1:127:A:THR:HG21	1:130:A:ALA:HB3	5	0.15
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB1	5	0.15
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB2	5	0.15
(1,2019)	1:127:A:THR:HG22	1:130:A:ALA:HB3	5	0.15
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB1	5	0.15
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB2	5	0.15
(1,2019)	1:127:A:THR:HG23	1:130:A:ALA:HB3	5	0.15
(1,1951)	1:122:A:SER:H	1:122:A:SER:HB3	14	0.15
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD2	13	0.15
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD3	13	0.15
(1,1893)	1:113:A:LEU:HD11	1:115:A:GLY:HA3	10	0.15
(1,1893)	1:113:A:LEU:HD12	1:115:A:GLY:HA3	10	0.15
(1,1893)	1:113:A:LEU:HD13	1:115:A:GLY:HA3	10	0.15
(1,1893)	1:113:A:LEU:HD21	1:115:A:GLY:HA3	10	0.15
(1,1893)	1:113:A:LEU:HD22	1:115:A:GLY:HA3	10	0.15
(1,1893)	1:113:A:LEU:HD23	1:115:A:GLY:HA3	10	0.15
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	2	0.15
(1,1880)	1:116:A:ASN:HA	1:144:A:THR:HB	4	0.15
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	5	0.15
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	5	0.15
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	5	0.15
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	14	0.15
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	20	0.15
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG3	8	0.15
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG3	8	0.15
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG3	8	0.15
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG3	8	0.15
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG3	8	0.15
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG3	8	0.15
(1,1835)	1:112:A:VAL:HG11	1:162:A:GLU:HG2	8	0.15
(1,1835)	1:112:A:VAL:HG12	1:162:A:GLU:HG2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1835)	1:112:A:VAL:HG13	1:162:A:GLU:HG2	8	0.15
(1,1835)	1:112:A:VAL:HG21	1:162:A:GLU:HG2	8	0.15
(1,1835)	1:112:A:VAL:HG22	1:162:A:GLU:HG2	8	0.15
(1,1835)	1:112:A:VAL:HG23	1:162:A:GLU:HG2	8	0.15
(1,1822)	1:112:A:VAL:HA	1:139:A:ILE:HG12	14	0.15
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	7	0.15
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	7	0.15
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	7	0.15
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	7	0.15
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	7	0.15
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	7	0.15
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	2	0.15
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	2	0.15
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	2	0.15
(1,1732)	1:100:A:ILE:HG21	1:104:A:LYS:HE3	5	0.15
(1,1732)	1:100:A:ILE:HG22	1:104:A:LYS:HE3	5	0.15
(1,1732)	1:100:A:ILE:HG23	1:104:A:LYS:HE3	5	0.15
(1,1704)	1:104:A:LYS:HA	1:104:A:LYS:HE3	16	0.15
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	14	0.15
(1,1690)	1:102:A:ARG:H	1:102:A:ARG:HG3	18	0.15
(1,1672)	1:102:A:ARG:HA	1:102:A:ARG:HG2	14	0.15
(1,1672)	1:102:A:ARG:HA	1:102:A:ARG:HG3	14	0.15
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD1	6	0.15
(1,1613)	1:46:A:ILE:HG21	1:157:A:TYR:HD2	6	0.15
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD1	6	0.15
(1,1613)	1:46:A:ILE:HG22	1:157:A:TYR:HD2	6	0.15
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD1	6	0.15
(1,1613)	1:46:A:ILE:HG23	1:157:A:TYR:HD2	6	0.15
(1,1610)	1:96:A:TYR:HB3	1:100:A:ILE:HB	13	0.15
(1,1608)	1:9:A:VAL:HB	1:96:A:TYR:HB3	6	0.15
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	19	0.15
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD1	18	0.15
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD2	18	0.15
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	6	0.15
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	19	0.15
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE1	19	0.15
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE2	19	0.15
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG21	8	0.15
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG22	8	0.15
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG23	8	0.15
(1,1488)	1:99:A:GLN:HE21	1:103:A:VAL:H	20	0.15
(1,1488)	1:99:A:GLN:HE22	1:103:A:VAL:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	13	0.15
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB2	19	0.15
(1,1384)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	19	0.15
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB2	19	0.15
(1,1384)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	19	0.15
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB2	19	0.15
(1,1384)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	19	0.15
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	7	0.15
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	7	0.15
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	7	0.15
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	7	0.15
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	7	0.15
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	7	0.15
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD2	4	0.15
(1,1347)	1:73:A:ARG:HA	1:73:A:ARG:HD3	4	0.15
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG11	6	0.15
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG12	6	0.15
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG13	6	0.15
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG21	6	0.15
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG22	6	0.15
(1,1335)	1:73:A:ARG:HD2	1:103:A:VAL:HG23	6	0.15
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG11	6	0.15
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG12	6	0.15
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG13	6	0.15
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG21	6	0.15
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG22	6	0.15
(1,1335)	1:73:A:ARG:HD3	1:103:A:VAL:HG23	6	0.15
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	9	0.15
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	9	0.15
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	14	0.15
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	14	0.15
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	1	0.15
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	2	0.15
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	13	0.15
(1,1281)	1:67:A:MET:HA	1:67:A:MET:HG3	17	0.15
(1,1279)	1:94:A:HIS:HA	1:96:A:TYR:H	8	0.15
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	2	0.15
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	12	0.15
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	18	0.15
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	9	0.15
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	9	0.15
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	9	0.15
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	9	0.15
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	9	0.15
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	9	0.15
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	9	0.15
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	9	0.15
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	9	0.15
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	9	0.15
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	9	0.15
(1,1107)	1:1:A:MET:HG3	1:51:A:CYS:HB3	8	0.15
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	2	0.15
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	2	0.15
(1,1071)	1:49:A:GLU:HG2	1:50:A:THR:H	1	0.15
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	11	0.15
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	12	0.15
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	18	0.15
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	16	0.15
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	16	0.15
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	10	0.15
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	10	0.15
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	10	0.15
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	10	0.15
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	10	0.15
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	10	0.15
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	12	0.15
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	12	0.15
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	12	0.15
(1,981)	1:44:A:VAL:HG21	1:46:A:ILE:HG13	20	0.15
(1,981)	1:44:A:VAL:HG22	1:46:A:ILE:HG13	20	0.15
(1,981)	1:44:A:VAL:HG23	1:46:A:ILE:HG13	20	0.15
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	8	0.15
(1,940)	1:26:A:ASN:H	1:26:A:ASN:HD22	15	0.15
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	13	0.15
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	13	0.15
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	17	0.15
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	17	0.15
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	17	0.15
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	3	0.15
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	3	0.15
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	9	0.15
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	9	0.15
(1,831)	1:147:A:LYS:H	2:201:A:GNP:HN1	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	3	0.15
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	3	0.15
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	3	0.15
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	4	0.15
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	4	0.15
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	4	0.15
(1,821)	1:117:A:LYS:H	2:201:A:GNP:HN1	7	0.15
(1,817)	1:50:A:THR:HG21	1:52:A:LEU:H	2	0.15
(1,817)	1:50:A:THR:HG22	1:52:A:LEU:H	2	0.15
(1,817)	1:50:A:THR:HG23	1:52:A:LEU:H	2	0.15
(1,769)	1:61:A:GLN:H	1:61:A:GLN:HB3	8	0.15
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	19	0.15
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	2	0.15
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	2	0.15
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	2	0.15
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	18	0.15
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	18	0.15
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	18	0.15
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	1	0.15
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	1	0.15
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	11	0.15
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	9	0.15
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	18	0.15
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	18	0.15
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	18	0.15
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	12	0.15
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	12	0.15
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	8	0.15
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	8	0.15
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	11	0.15
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	11	0.15
(1,609)	1:45:A:VAL:HB	1:47:A:ASP:H	7	0.15
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	13	0.15
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	3	0.15
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	8	0.15
(1,516)	1:20:A:THR:HG21	1:23:A:LEU:H	4	0.15
(1,516)	1:20:A:THR:HG22	1:23:A:LEU:H	4	0.15
(1,516)	1:20:A:THR:HG23	1:23:A:LEU:H	4	0.15
(1,516)	1:20:A:THR:HG21	1:23:A:LEU:H	20	0.15
(1,516)	1:20:A:THR:HG22	1:23:A:LEU:H	20	0.15
(1,516)	1:20:A:THR:HG23	1:23:A:LEU:H	20	0.15
(1,480)	1:25:A:GLN:HB2	1:26:A:ASN:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	7	0.15
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	14	0.15
(1,474)	1:22:A:GLN:HE22	1:28:A:PHE:HB3	13	0.15
(1,471)	1:22:A:GLN:HE21	1:28:A:PHE:HB3	7	0.15
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	12	0.15
(1,448)	1:22:A:GLN:HE22	1:28:A:PHE:H	18	0.15
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	4	0.15
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	10	0.15
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	15	0.15
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	15	0.15
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	15	0.15
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	15	0.15
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	15	0.15
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	15	0.15
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	15	0.15
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	15	0.15
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	15	0.15
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	15	0.15
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	15	0.15
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	15	0.15
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	1	0.15
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	1	0.15
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	1	0.15
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG21	18	0.15
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG22	18	0.15
(1,318)	1:44:A:VAL:H	1:50:A:THR:HG23	18	0.15
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	17	0.15
(1,304)	1:7:A:VAL:H	1:78:A:PHE:HE1	6	0.15
(1,304)	1:7:A:VAL:H	1:78:A:PHE:HE2	6	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	1	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	1	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	1	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	1	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	1	0.15
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	1	0.15
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	1	0.15
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	1	0.15
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD11	5	0.15
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD12	5	0.15
(1,227)	1:21:A:ILE:HA	1:24:A:ILE:HD13	5	0.15
(1,149)	1:28:A:PHE:HE1	2:201:A:GNP:H8	7	0.15
(1,149)	1:28:A:PHE:HE2	2:201:A:GNP:H8	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:95:A:HIS:HA	1:98:A:GLU:H	20	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	2	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	2	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	2	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	2	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	2	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	2	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	5	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	5	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	5	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	5	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	5	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	5	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	17	0.15
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	17	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	17	0.15
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	17	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	17	0.15
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	17	0.15
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG21	12	0.15
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG22	12	0.15
(1,62)	1:43:A:GLN:HE21	1:50:A:THR:HG23	12	0.15
(1,20)	1:107:A:GLU:HB2	1:108:A:ASP:H	9	0.15
(1,20)	1:107:A:GLU:HB3	1:108:A:ASP:H	9	0.15
(1,3331)	1:106:A:SER:HB2	1:109:A:VAL:H	18	0.14
(1,3331)	1:106:A:SER:HB3	1:109:A:VAL:H	18	0.14
(1,3329)	1:109:A:VAL:H	1:110:A:PRO:HD2	20	0.14
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	19	0.14
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	3	0.14
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD1	6	0.14
(1,3296)	1:9:A:VAL:HG11	1:78:A:PHE:HD2	6	0.14
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD1	6	0.14
(1,3296)	1:9:A:VAL:HG12	1:78:A:PHE:HD2	6	0.14
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD1	6	0.14
(1,3296)	1:9:A:VAL:HG13	1:78:A:PHE:HD2	6	0.14
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD1	6	0.14
(1,3296)	1:9:A:VAL:HG21	1:78:A:PHE:HD2	6	0.14
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD1	6	0.14
(1,3296)	1:9:A:VAL:HG22	1:78:A:PHE:HD2	6	0.14
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD1	6	0.14
(1,3296)	1:9:A:VAL:HG23	1:78:A:PHE:HD2	6	0.14
(1,3295)	1:78:A:PHE:HD1	1:112:A:VAL:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3295)	1:78:A:PHE:HD2	1:112:A:VAL:H	9	0.14
(1,3259)	1:113:A:LEU:H	1:141:A:PHE:HB3	17	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	6	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	6	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	7	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	7	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	14	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	14	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	18	0.14
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	18	0.14
(1,3132)	1:120:A:LEU:HG	1:122:A:SER:H	12	0.14
(1,3111)	1:85:A:ASN:HB2	1:125:A:VAL:H	14	0.14
(1,3111)	1:85:A:ASN:HB3	1:125:A:VAL:H	14	0.14
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	19	0.14
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	19	0.14
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	19	0.14
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	19	0.14
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	19	0.14
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	19	0.14
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	7	0.14
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	19	0.14
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	10	0.14
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	10	0.14
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	10	0.14
(1,3062)	1:9:A:VAL:HB	1:81:A:VAL:H	19	0.14
(1,3044)	1:90:A:PHE:HZ	1:129:A:GLN:H	16	0.14
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	3	0.14
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	7	0.14
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	15	0.14
(1,2986)	1:131:A:GLN:HB3	1:132:A:ASP:H	19	0.14
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	14	0.14
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	2	0.14
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	2	0.14
(1,2873)	1:137:A:TYR:HD1	1:139:A:ILE:H	14	0.14
(1,2873)	1:137:A:TYR:HD2	1:139:A:ILE:H	14	0.14
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	1	0.14
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	1	0.14
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	1	0.14
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB1	18	0.14
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB2	18	0.14
(1,2839)	1:144:A:THR:HB	1:155:A:ALA:HB3	18	0.14
(1,2798)	1:143:A:GLU:HG2	1:144:A:THR:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2788)	1:116:A:ASN:HA	1:145:A:SER:H	11	0.14
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	9	0.14
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	9	0.14
(1,2734)	1:147:A:LYS:H	1:149:A:ARG:HA	9	0.14
(1,2693)	1:148:A:THR:H	1:149:A:ARG:HA	3	0.14
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	8	0.14
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	8	0.14
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	8	0.14
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	2	0.14
(1,2683)	1:72:A:MET:H	1:75:A:GLY:H	12	0.14
(1,2660)	1:148:A:THR:HG21	1:150:A:GLN:H	16	0.14
(1,2660)	1:148:A:THR:HG22	1:150:A:GLN:H	16	0.14
(1,2660)	1:148:A:THR:HG23	1:150:A:GLN:H	16	0.14
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	6	0.14
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	6	0.14
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	6	0.14
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	6	0.14
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	5	0.14
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	3	0.14
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	3	0.14
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	3	0.14
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	3	0.14
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	3	0.14
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	3	0.14
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	3	0.14
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	3	0.14
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	3	0.14
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	3	0.14
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	3	0.14
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	3	0.14
(1,2616)	1:153:A:ASP:H	1:155:A:ALA:HB1	13	0.14
(1,2616)	1:153:A:ASP:H	1:155:A:ALA:HB2	13	0.14
(1,2616)	1:153:A:ASP:H	1:155:A:ALA:HB3	13	0.14
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	11	0.14
(1,2580)	1:154:A:ASP:HB3	1:155:A:ALA:H	13	0.14
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	2	0.14
(1,2536)	1:144:A:THR:HA	1:152:A:VAL:HA	16	0.14
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	6	0.14
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	17	0.14
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	17	0.14
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	17	0.14
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2464)	1:162:A:GLU:H	1:164:A:ARG:HD3	4	0.14
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	13	0.14
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	13	0.14
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	13	0.14
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	5	0.14
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	11	0.14
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	17	0.14
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	17	0.14
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	13	0.14
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	3	0.14
(1,2307)	1:23:A:LEU:HD11	1:153:A:ASP:HA	15	0.14
(1,2307)	1:23:A:LEU:HD12	1:153:A:ASP:HA	15	0.14
(1,2307)	1:23:A:LEU:HD13	1:153:A:ASP:HA	15	0.14
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	6	0.14
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	19	0.14
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	19	0.14
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	19	0.14
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	19	0.14
(1,2280)	1:144:A:THR:HA	1:151:A:GLY:HA2	18	0.14
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG21	13	0.14
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG22	13	0.14
(1,2231)	1:147:A:LYS:H	1:148:A:THR:HG23	13	0.14
(1,2200)	1:139:A:ILE:HA	1:140:A:PRO:HG2	12	0.14
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	11	0.14
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	11	0.14
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	11	0.14
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	11	0.14
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	11	0.14
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	11	0.14
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	11	0.14
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	11	0.14
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	11	0.14
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	11	0.14
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	11	0.14
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	11	0.14
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	10	0.14
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	10	0.14
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	16	0.14
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	16	0.14
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG21	2	0.14
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG22	2	0.14
(1,2134)	1:137:A:TYR:HD1	1:139:A:ILE:HG23	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG21	2	0.14
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG22	2	0.14
(1,2134)	1:137:A:TYR:HD2	1:139:A:ILE:HG23	2	0.14
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	4	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	11	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	11	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	11	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	11	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	11	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	11	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	18	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	18	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	18	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	18	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	18	0.14
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	18	0.14
(1,2094)	1:159:A:LEU:HA	1:162:A:GLU:HG2	1	0.14
(1,2094)	1:159:A:LEU:HA	1:162:A:GLU:HG2	13	0.14
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	5	0.14
(1,2087)	1:153:A:ASP:HA	1:155:A:ALA:H	4	0.14
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	3	0.14
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	3	0.14
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	3	0.14
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	3	0.14
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	3	0.14
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	3	0.14
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	3	0.14
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	3	0.14
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	3	0.14
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	7	0.14
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE1	20	0.14
(1,2061)	1:153:A:ASP:HA	1:157:A:TYR:HE2	20	0.14
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	11	0.14
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG11	7	0.14
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG12	7	0.14
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG13	7	0.14
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG21	7	0.14
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG22	7	0.14
(1,2053)	1:15:A:GLY:H	1:81:A:VAL:HG23	7	0.14
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	19	0.14
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	19	0.14
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	19	0.14
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	19	0.14
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	19	0.14
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	20	0.14
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	20	0.14
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	20	0.14
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	20	0.14
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	20	0.14
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	20	0.14
(1,2047)	1:148:A:THR:HG21	1:150:A:GLN:HB2	2	0.14
(1,2047)	1:148:A:THR:HG22	1:150:A:GLN:HB2	2	0.14
(1,2047)	1:148:A:THR:HG23	1:150:A:GLN:HB2	2	0.14
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	4	0.14
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	19	0.14
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	19	0.14
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	19	0.14
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	19	0.14
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	19	0.14
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	19	0.14
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD2	11	0.14
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD3	11	0.14
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD11	20	0.14
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD12	20	0.14
(1,1859)	1:90:A:PHE:HE1	1:113:A:LEU:HD13	20	0.14
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD11	20	0.14
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD12	20	0.14
(1,1859)	1:90:A:PHE:HE2	1:113:A:LEU:HD13	20	0.14
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	1	0.14
(1,1823)	1:112:A:VAL:HA	1:162:A:GLU:HG3	5	0.14
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG21	16	0.14
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG22	16	0.14
(1,1789)	1:110:A:PRO:HG3	1:163:A:ILE:HG23	16	0.14
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	1	0.14
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	1	0.14
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	1	0.14
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	1	0.14
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	1	0.14
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	1	0.14
(1,1742)	1:106:A:SER:HB3	1:107:A:GLU:H	8	0.14
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	15	0.14
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	15	0.14
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	15	0.14
(1,1693)	1:72:A:MET:HB2	1:103:A:VAL:HA	8	0.14
(1,1693)	1:72:A:MET:HB3	1:103:A:VAL:HA	8	0.14
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG2	2	0.14
(1,1689)	1:102:A:ARG:H	1:102:A:ARG:HG3	2	0.14
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE2	1	0.14
(1,1676)	1:165:A:LYS:HA	1:165:A:LYS:HE3	1	0.14
(1,1642)	1:98:A:GLU:HG2	1:99:A:GLN:HA	4	0.14
(1,1642)	1:98:A:GLU:HG3	1:99:A:GLN:HA	4	0.14
(1,1584)	1:93:A:ILE:HG21	1:137:A:TYR:HD1	18	0.14
(1,1584)	1:93:A:ILE:HG21	1:137:A:TYR:HD2	18	0.14
(1,1584)	1:93:A:ILE:HG22	1:137:A:TYR:HD1	18	0.14
(1,1584)	1:93:A:ILE:HG22	1:137:A:TYR:HD2	18	0.14
(1,1584)	1:93:A:ILE:HG23	1:137:A:TYR:HD1	18	0.14
(1,1584)	1:93:A:ILE:HG23	1:137:A:TYR:HD2	18	0.14
(1,1559)	1:61:A:GLN:HB2	1:62:A:GLU:HA	10	0.14
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	7	0.14
(1,1556)	1:68:A:ARG:HA	1:68:A:ARG:HE	15	0.14
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	9	0.14
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	9	0.14
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	9	0.14
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG12	16	0.14
(1,1471)	1:82:A:PHE:HB2	1:93:A:ILE:HG13	16	0.14
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	8	0.14
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	8	0.14
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	8	0.14
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	8	0.14
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	8	0.14
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	8	0.14
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	8	0.14
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	8	0.14
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	8	0.14
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	8	0.14
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	8	0.14
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	8	0.14
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE2	20	0.14
(1,1334)	1:101:A:LYS:HA	1:101:A:LYS:HE3	20	0.14
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG11	2	0.14
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG12	2	0.14
(1,1248)	1:87:A:THR:HG21	1:125:A:VAL:HG13	2	0.14
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG11	2	0.14
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG12	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1248)	1:87:A:THR:HG22	1:125:A:VAL:HG13	2	0.14
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG11	2	0.14
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG12	2	0.14
(1,1248)	1:87:A:THR:HG23	1:125:A:VAL:HG13	2	0.14
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	11	0.14
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	11	0.14
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	20	0.14
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	20	0.14
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	20	0.14
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	20	0.14
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	20	0.14
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	20	0.14
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	19	0.14
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	19	0.14
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD1	16	0.14
(1,1144)	1:53:A:LEU:HD11	1:157:A:TYR:HD2	16	0.14
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD1	16	0.14
(1,1144)	1:53:A:LEU:HD12	1:157:A:TYR:HD2	16	0.14
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD1	16	0.14
(1,1144)	1:53:A:LEU:HD13	1:157:A:TYR:HD2	16	0.14
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD1	16	0.14
(1,1144)	1:53:A:LEU:HD21	1:157:A:TYR:HD2	16	0.14
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD1	16	0.14
(1,1144)	1:53:A:LEU:HD22	1:157:A:TYR:HD2	16	0.14
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD1	16	0.14
(1,1144)	1:53:A:LEU:HD23	1:157:A:TYR:HD2	16	0.14
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	11	0.14
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	3	0.14
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	14	0.14
(1,1062)	1:131:A:GLN:HA	1:131:A:GLN:HE21	3	0.14
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	9	0.14
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	9	0.14
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	9	0.14
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	15	0.14
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	15	0.14
(1,991)	1:83:A:ALA:HB1	1:85:A:ASN:HD21	7	0.14
(1,991)	1:83:A:ALA:HB2	1:85:A:ASN:HD21	7	0.14
(1,991)	1:83:A:ALA:HB3	1:85:A:ASN:HD21	7	0.14
(1,970)	1:1:A:MET:HE1	1:43:A:GLN:HG2	8	0.14
(1,970)	1:1:A:MET:HE1	1:43:A:GLN:HG3	8	0.14
(1,970)	1:1:A:MET:HE2	1:43:A:GLN:HG2	8	0.14
(1,970)	1:1:A:MET:HE2	1:43:A:GLN:HG3	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,970)	1:1:A:MET:HE3	1:43:A:GLN:HG2	8	0.14
(1,970)	1:1:A:MET:HE3	1:43:A:GLN:HG3	8	0.14
(1,949)	1:43:A:GLN:HB2	1:50:A:THR:HG21	2	0.14
(1,949)	1:43:A:GLN:HB2	1:50:A:THR:HG22	2	0.14
(1,949)	1:43:A:GLN:HB2	1:50:A:THR:HG23	2	0.14
(1,949)	1:43:A:GLN:HB3	1:50:A:THR:HG21	2	0.14
(1,949)	1:43:A:GLN:HB3	1:50:A:THR:HG22	2	0.14
(1,949)	1:43:A:GLN:HB3	1:50:A:THR:HG23	2	0.14
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	19	0.14
(1,906)	1:24:A:ILE:HA	1:42:A:LYS:HD2	13	0.14
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	16	0.14
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	10	0.14
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	10	0.14
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	10	0.14
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	9	0.14
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	9	0.14
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG21	17	0.14
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG22	17	0.14
(1,732)	1:36:A:ILE:H	1:36:A:ILE:HG23	17	0.14
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	13	0.14
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	13	0.14
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	13	0.14
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	19	0.14
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	19	0.14
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	19	0.14
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	13	0.14
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	13	0.14
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	13	0.14
(1,704)	1:160:A:VAL:HB	1:161:A:ARG:H	4	0.14
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	7	0.14
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	7	0.14
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	7	0.14
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	20	0.14
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	20	0.14
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	20	0.14
(1,626)	1:68:A:ARG:H	1:68:A:ARG:HB3	2	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG11	19	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG12	19	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG13	19	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG21	19	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG22	19	0.14
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG23	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,575)	1:165:A:LYS:HB2	1:166:A:HIS:HA	7	0.14
(1,555)	1:19:A:LEU:H	1:20:A:THR:HB	8	0.14
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	9	0.14
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	16	0.14
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	1	0.14
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	1	0.14
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	1	0.14
(1,480)	1:25:A:GLN:HB2	1:26:A:ASN:H	9	0.14
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	10	0.14
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD11	4	0.14
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD12	4	0.14
(1,422)	1:96:A:TYR:HD1	1:100:A:ILE:HD13	4	0.14
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD11	4	0.14
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD12	4	0.14
(1,422)	1:96:A:TYR:HD2	1:100:A:ILE:HD13	4	0.14
(1,377)	1:24:A:ILE:HD11	1:43:A:GLN:H	3	0.14
(1,377)	1:24:A:ILE:HD12	1:43:A:GLN:H	3	0.14
(1,377)	1:24:A:ILE:HD13	1:43:A:GLN:H	3	0.14
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	19	0.14
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	19	0.14
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	19	0.14
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	19	0.14
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	19	0.14
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	19	0.14
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG11	19	0.14
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG12	19	0.14
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG13	19	0.14
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG21	19	0.14
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG22	19	0.14
(1,301)	1:23:A:LEU:HA	1:152:A:VAL:HG23	19	0.14
(1,263)	1:3:A:GLU:H	1:52:A:LEU:HB2	5	0.14
(1,236)	1:20:A:THR:HG21	1:40:A:TYR:HD1	20	0.14
(1,236)	1:20:A:THR:HG21	1:40:A:TYR:HD2	20	0.14
(1,236)	1:20:A:THR:HG22	1:40:A:TYR:HD1	20	0.14
(1,236)	1:20:A:THR:HG22	1:40:A:TYR:HD2	20	0.14
(1,236)	1:20:A:THR:HG23	1:40:A:TYR:HD1	20	0.14
(1,236)	1:20:A:THR:HG23	1:40:A:TYR:HD2	20	0.14
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	19	0.14
(1,206)	1:32:A:TYR:HE1	2:201:A:GNP:H8	7	0.14
(1,206)	1:32:A:TYR:HE2	2:201:A:GNP:H8	7	0.14
(1,179)	1:19:A:LEU:HD11	1:81:A:VAL:HA	12	0.14
(1,179)	1:19:A:LEU:HD12	1:81:A:VAL:HA	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:19:A:LEU:HD13	1:81:A:VAL:HA	12	0.14
(1,179)	1:19:A:LEU:HD21	1:81:A:VAL:HA	12	0.14
(1,179)	1:19:A:LEU:HD22	1:81:A:VAL:HA	12	0.14
(1,179)	1:19:A:LEU:HD23	1:81:A:VAL:HA	12	0.14
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	7	0.14
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	7	0.14
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	7	0.14
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	8	0.14
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	8	0.14
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	8	0.14
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	13	0.14
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	13	0.14
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	13	0.14
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	14	0.14
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	2	0.14
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	2	0.14
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	5	0.14
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	5	0.14
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	3	0.14
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG11	1	0.14
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG12	1	0.14
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG13	1	0.14
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG21	1	0.14
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG22	1	0.14
(1,33)	1:14:A:VAL:HG11	1:81:A:VAL:HG23	1	0.14
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG11	1	0.14
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG12	1	0.14
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG13	1	0.14
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG21	1	0.14
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG22	1	0.14
(1,33)	1:14:A:VAL:HG12	1:81:A:VAL:HG23	1	0.14
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG11	1	0.14
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG12	1	0.14
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG13	1	0.14
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG21	1	0.14
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG22	1	0.14
(1,33)	1:14:A:VAL:HG13	1:81:A:VAL:HG23	1	0.14
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG11	1	0.14
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG12	1	0.14
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG13	1	0.14
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG21	1	0.14
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG22	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:14:A:VAL:HG21	1:81:A:VAL:HG23	1	0.14
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG11	1	0.14
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG12	1	0.14
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG13	1	0.14
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG21	1	0.14
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG22	1	0.14
(1,33)	1:14:A:VAL:HG22	1:81:A:VAL:HG23	1	0.14
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG11	1	0.14
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG12	1	0.14
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG13	1	0.14
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG21	1	0.14
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG22	1	0.14
(1,33)	1:14:A:VAL:HG23	1:81:A:VAL:HG23	1	0.14
(1,30)	1:105:A:ASP:HA	1:106:A:SER:H	5	0.14
(1,15)	1:108:A:ASP:H	1:109:A:VAL:H	15	0.14
(2,2)	3:202:A:MG:MG	2:201:A:GNP:O2B	9	0.13
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD11	12	0.13
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD12	12	0.13
(1,3334)	1:80:A:CYS:HA	1:93:A:ILE:HD13	12	0.13
(1,3324)	1:111:A:MET:H	1:139:A:ILE:HA	15	0.13
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	4	0.13
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	5	0.13
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG2	4	0.13
(1,3232)	1:115:A:GLY:H	1:143:A:GLU:HG3	4	0.13
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	4	0.13
(1,3222)	1:114:A:VAL:HG11	1:116:A:ASN:H	7	0.13
(1,3222)	1:114:A:VAL:HG12	1:116:A:ASN:H	7	0.13
(1,3222)	1:114:A:VAL:HG13	1:116:A:ASN:H	7	0.13
(1,3222)	1:114:A:VAL:HG21	1:116:A:ASN:H	7	0.13
(1,3222)	1:114:A:VAL:HG22	1:116:A:ASN:H	7	0.13
(1,3222)	1:114:A:VAL:HG23	1:116:A:ASN:H	7	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	3	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	3	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	3	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	3	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	3	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	3	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	5	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	5	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	5	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	5	0.13
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	5	0.13
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB2	14	0.13
(1,3209)	1:117:A:LYS:H	1:145:A:SER:HB3	14	0.13
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	5	0.13
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	5	0.13
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	10	0.13
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	10	0.13
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	13	0.13
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	13	0.13
(1,3181)	1:117:A:LYS:H	1:119:A:ASP:H	19	0.13
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	19	0.13
(1,3166)	1:117:A:LYS:HA	1:119:A:ASP:H	16	0.13
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	1	0.13
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	1	0.13
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	1	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	13	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	13	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	13	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	13	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	13	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	13	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	20	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	20	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	20	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	20	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	20	0.13
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	20	0.13
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	12	0.13
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	17	0.13
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	18	0.13
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	7	0.13
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	16	0.13
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG2	17	0.13
(1,3056)	1:128:A:LYS:H	1:128:A:LYS:HG3	17	0.13
(1,3045)	1:90:A:PHE:HE1	1:129:A:GLN:H	14	0.13
(1,3045)	1:90:A:PHE:HE2	1:129:A:GLN:H	14	0.13
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	5	0.13
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	5	0.13
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	5	0.13
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	13	0.13
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	13	0.13
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	2	0.13
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	13	0.13
(1,2943)	1:32:A:TYR:H	1:32:A:TYR:HB3	5	0.13
(1,2942)	1:133:A:LEU:HG	1:134:A:ALA:H	7	0.13
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG11	16	0.13
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG12	16	0.13
(1,2866)	1:46:A:ILE:HB	1:160:A:VAL:HG13	16	0.13
(1,2835)	1:73:A:ARG:HB2	1:73:A:ARG:HE	12	0.13
(1,2835)	1:73:A:ARG:HB3	1:73:A:ARG:HE	12	0.13
(1,2812)	1:143:A:GLU:H	1:143:A:GLU:HB2	18	0.13
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD21	11	0.13
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD22	11	0.13
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD21	11	0.13
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD22	11	0.13
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD21	11	0.13
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD22	11	0.13
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	3	0.13
(1,2769)	1:145:A:SER:H	1:150:A:GLN:HB2	16	0.13
(1,2768)	1:145:A:SER:H	1:150:A:GLN:HG3	6	0.13
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	17	0.13
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	17	0.13
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	17	0.13
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB1	19	0.13
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB2	19	0.13
(1,2748)	1:15:A:GLY:HA3	1:146:A:ALA:HB3	19	0.13
(1,2734)	1:147:A:LYS:H	1:149:A:ARG:HA	20	0.13
(1,2717)	1:147:A:LYS:H	1:147:A:LYS:HB2	6	0.13
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	1	0.13
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	1	0.13
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	1	0.13
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	5	0.13
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	5	0.13
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	5	0.13
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	14	0.13
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	14	0.13
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	14	0.13
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG11	10	0.13
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG12	10	0.13
(1,2681)	1:46:A:ILE:HD11	1:160:A:VAL:HG13	10	0.13
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG11	10	0.13
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG12	10	0.13
(1,2681)	1:46:A:ILE:HD12	1:160:A:VAL:HG13	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG11	10	0.13
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG12	10	0.13
(1,2681)	1:46:A:ILE:HD13	1:160:A:VAL:HG13	10	0.13
(1,2678)	1:146:A:ALA:HA	1:149:A:ARG:H	4	0.13
(1,2678)	1:146:A:ALA:HA	1:149:A:ARG:H	5	0.13
(1,2678)	1:146:A:ALA:HA	1:149:A:ARG:H	16	0.13
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG2	2	0.13
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG3	2	0.13
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG2	7	0.13
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG3	7	0.13
(1,2646)	1:150:A:GLN:HB3	1:151:A:GLY:H	19	0.13
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE1	18	0.13
(1,2643)	1:67:A:MET:HE1	1:71:A:TYR:HE2	18	0.13
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE1	18	0.13
(1,2643)	1:67:A:MET:HE2	1:71:A:TYR:HE2	18	0.13
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE1	18	0.13
(1,2643)	1:67:A:MET:HE3	1:71:A:TYR:HE2	18	0.13
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG12	14	0.13
(1,2622)	1:160:A:VAL:HG11	1:163:A:ILE:HG13	14	0.13
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG12	14	0.13
(1,2622)	1:160:A:VAL:HG12	1:163:A:ILE:HG13	14	0.13
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG12	14	0.13
(1,2622)	1:160:A:VAL:HG13	1:163:A:ILE:HG13	14	0.13
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG12	14	0.13
(1,2622)	1:160:A:VAL:HG21	1:163:A:ILE:HG13	14	0.13
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG12	14	0.13
(1,2622)	1:160:A:VAL:HG22	1:163:A:ILE:HG13	14	0.13
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG12	14	0.13
(1,2622)	1:160:A:VAL:HG23	1:163:A:ILE:HG13	14	0.13
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	16	0.13
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	4	0.13
(1,2581)	1:153:A:ASP:HB3	1:155:A:ALA:H	14	0.13
(1,2577)	1:106:A:SER:HB2	1:107:A:GLU:HA	20	0.13
(1,2577)	1:106:A:SER:HB3	1:107:A:GLU:HA	20	0.13
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG11	7	0.13
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG12	7	0.13
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG13	7	0.13
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG21	7	0.13
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG22	7	0.13
(1,2576)	1:106:A:SER:HB2	1:109:A:VAL:HG23	7	0.13
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG11	7	0.13
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG12	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG13	7	0.13
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG21	7	0.13
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG22	7	0.13
(1,2576)	1:106:A:SER:HB3	1:109:A:VAL:HG23	7	0.13
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	13	0.13
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	2	0.13
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	2	0.13
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	2	0.13
(1,2532)	1:19:A:LEU:HA	1:152:A:VAL:HA	17	0.13
(1,2462)	1:164:A:ARG:HA	1:167:A:LYS:HB3	15	0.13
(1,2457)	1:110:A:PRO:HG2	1:166:A:HIS:HB2	6	0.13
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	3	0.13
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	3	0.13
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	18	0.13
(1,2417)	1:4:A:TYR:HD1	1:163:A:ILE:HA	11	0.13
(1,2417)	1:4:A:TYR:HD2	1:163:A:ILE:HA	11	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	1	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	1	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	1	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	1	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	1	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	1	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	19	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	19	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	19	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	19	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	19	0.13
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	19	0.13
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	14	0.13
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	2	0.13
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	14	0.13
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	19	0.13
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	13	0.13
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	13	0.13
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	13	0.13
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	19	0.13
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	19	0.13
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	19	0.13
(1,2253)	1:157:A:TYR:HD1	1:158:A:THR:H	13	0.13
(1,2253)	1:157:A:TYR:HD2	1:158:A:THR:H	13	0.13
(1,2209)	1:144:A:THR:HG21	1:145:A:SER:H	2	0.13
(1,2209)	1:144:A:THR:HG22	1:145:A:SER:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2209)	1:144:A:THR:HG23	1:145:A:SER:H	2	0.13
(1,2200)	1:139:A:ILE:HA	1:140:A:PRO:HG2	20	0.13
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG11	16	0.13
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG12	16	0.13
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG13	16	0.13
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG21	16	0.13
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG22	16	0.13
(1,2198)	1:10:A:GLY:HA2	1:81:A:VAL:HG23	16	0.13
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG11	16	0.13
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG12	16	0.13
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG13	16	0.13
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG21	16	0.13
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG22	16	0.13
(1,2198)	1:10:A:GLY:HA3	1:81:A:VAL:HG23	16	0.13
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	1	0.13
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	1	0.13
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG21	7	0.13
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG22	7	0.13
(1,2142)	1:140:A:PRO:HB3	1:158:A:THR:HG23	7	0.13
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG21	17	0.13
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG22	17	0.13
(1,2138)	1:137:A:TYR:HB2	1:139:A:ILE:HG23	17	0.13
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	15	0.13
(1,2130)	1:100:A:ILE:HG21	1:104:A:LYS:HG3	15	0.13
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	15	0.13
(1,2130)	1:100:A:ILE:HG22	1:104:A:LYS:HG3	15	0.13
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	15	0.13
(1,2130)	1:100:A:ILE:HG23	1:104:A:LYS:HG3	15	0.13
(1,2120)	1:137:A:TYR:H	1:138:A:GLY:HA3	20	0.13
(1,2100)	1:13:A:GLY:H	1:15:A:GLY:H	7	0.13
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	17	0.13
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	17	0.13
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	17	0.13
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	17	0.13
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	17	0.13
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	17	0.13
(1,2087)	1:153:A:ASP:HA	1:155:A:ALA:H	10	0.13
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	6	0.13
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	6	0.13
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	6	0.13
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	6	0.13
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	6	0.13
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	6	0.13
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	6	0.13
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	6	0.13
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	15	0.13
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	15	0.13
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	15	0.13
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	15	0.13
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	15	0.13
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	15	0.13
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	15	0.13
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	15	0.13
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	15	0.13
(1,2056)	1:126:A:ASP:HB2	1:129:A:GLN:HG2	16	0.13
(1,2056)	1:126:A:ASP:HB3	1:129:A:GLN:HG2	16	0.13
(1,2056)	1:126:A:ASP:HB2	1:129:A:GLN:HG2	18	0.13
(1,2056)	1:126:A:ASP:HB3	1:129:A:GLN:HG2	18	0.13
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	5	0.13
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	9	0.13
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	12	0.13
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	5	0.13
(1,2037)	1:129:A:GLN:HA	1:132:A:ASP:HB3	1	0.13
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	5	0.13
(1,1977)	1:85:A:ASN:HA	1:124:A:THR:HA	19	0.13
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD2	3	0.13
(1,1900)	1:167:A:LYS:HA	1:167:A:LYS:HD3	3	0.13
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	9	0.13
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	9	0.13
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	9	0.13
(1,1776)	1:10:A:GLY:H	1:96:A:TYR:HE1	14	0.13
(1,1776)	1:10:A:GLY:H	1:96:A:TYR:HE2	14	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG11	4	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG12	4	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG13	4	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG21	4	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG22	4	0.13
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG23	4	0.13
(1,1687)	1:102:A:ARG:H	1:102:A:ARG:HG2	7	0.13
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD11	6	0.13
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD12	6	0.13
(1,1526)	1:137:A:TYR:HE1	1:139:A:ILE:HD13	6	0.13
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD11	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD12	6	0.13
(1,1526)	1:137:A:TYR:HE2	1:139:A:ILE:HD13	6	0.13
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD1	3	0.13
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD2	3	0.13
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	3	0.13
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	3	0.13
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	20	0.13
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	20	0.13
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	17	0.13
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	1	0.13
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	1	0.13
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	1	0.13
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	5	0.13
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	5	0.13
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	5	0.13
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	8	0.13
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	8	0.13
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	8	0.13
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	15	0.13
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	15	0.13
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	15	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG21	5	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG22	5	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG23	5	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG21	7	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG22	7	0.13
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG23	7	0.13
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE1	18	0.13
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE2	18	0.13
(1,1402)	1:85:A:ASN:HB2	1:124:A:THR:H	13	0.13
(1,1402)	1:85:A:ASN:HB3	1:124:A:THR:H	13	0.13
(1,1362)	1:95:A:HIS:HB2	1:95:A:HIS:HE1	13	0.13
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	15	0.13
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	20	0.13
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE21	5	0.13
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE22	5	0.13
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	5	0.13
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	8	0.13
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	8	0.13
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	15	0.13
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	15	0.13
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	10	0.13
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	10	0.13
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	10	0.13
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	10	0.13
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	10	0.13
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	3	0.13
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	3	0.13
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	3	0.13
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	1	0.13
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	1	0.13
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD11	4	0.13
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD12	4	0.13
(1,1136)	1:53:A:LEU:HB2	1:55:A:ILE:HD13	4	0.13
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD11	4	0.13
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD12	4	0.13
(1,1136)	1:53:A:LEU:HB3	1:55:A:ILE:HD13	4	0.13
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	18	0.13
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	18	0.13
(1,1041)	1:23:A:LEU:HG	1:42:A:LYS:HD2	12	0.13
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	1	0.13
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	1	0.13
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	8	0.13
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	8	0.13
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	8	0.13
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	8	0.13
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	8	0.13
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	8	0.13
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	14	0.13
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	14	0.13
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD1	6	0.13
(1,914)	1:22:A:GLN:HE22	1:28:A:PHE:HD2	6	0.13
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	5	0.13
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	5	0.13
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	3	0.13
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	14	0.13
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	18	0.13
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	18	0.13
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	5	0.13
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	5	0.13
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	3	0.13
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	3	0.13
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	5	0.13
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	5	0.13
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	5	0.13
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	10	0.13
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	10	0.13
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	10	0.13
(1,704)	1:160:A:VAL:HB	1:161:A:ARG:H	2	0.13
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG2	6	0.13
(1,688)	1:36:A:ILE:HA	1:37:A:GLU:HG3	6	0.13
(1,681)	1:78:A:PHE:HZ	1:110:A:PRO:HD2	5	0.13
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	4	0.13
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	18	0.13
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB2	7	0.13
(1,649)	1:78:A:PHE:H	1:159:A:LEU:HB3	7	0.13
(1,596)	1:14:A:VAL:H	1:82:A:PHE:HA	14	0.13
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	14	0.13
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG11	9	0.13
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG12	9	0.13
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG13	9	0.13
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG21	9	0.13
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG22	9	0.13
(1,577)	1:18:A:ALA:H	1:29:A:VAL:HG23	9	0.13
(1,567)	1:19:A:LEU:H	1:156:A:PHE:HZ	10	0.13
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	11	0.13
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	17	0.13
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD2	3	0.13
(1,528)	1:88:A:LYS:H	1:88:A:LYS:HD3	3	0.13
(1,521)	1:23:A:LEU:H	1:156:A:PHE:HZ	18	0.13
(1,516)	1:20:A:THR:HG21	1:23:A:LEU:H	14	0.13
(1,516)	1:20:A:THR:HG22	1:23:A:LEU:H	14	0.13
(1,516)	1:20:A:THR:HG23	1:23:A:LEU:H	14	0.13
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	8	0.13
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	8	0.13
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	8	0.13
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	2	0.13
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	15	0.13
(1,460)	1:26:A:ASN:HB2	1:27:A:HIS:H	8	0.13
(1,441)	1:88:A:LYS:H	1:89:A:SER:HB2	13	0.13
(1,441)	1:88:A:LYS:H	1:89:A:SER:HB3	13	0.13
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB2	7	0.13
(1,415)	1:25:A:GLN:HB3	1:27:A:HIS:HB3	7	0.13
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,319)	1:23:A:LEU:HB2	1:152:A:VAL:HB	7	0.13
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	14	0.13
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	14	0.13
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	14	0.13
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	14	0.13
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	14	0.13
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	14	0.13
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	4	0.13
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	4	0.13
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	7	0.13
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	7	0.13
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	13	0.13
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	13	0.13
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	7	0.13
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	7	0.13
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	10	0.13
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	10	0.13
(1,149)	1:28:A:PHE:HE1	2:201:A:GNP:H8	12	0.13
(1,149)	1:28:A:PHE:HE2	2:201:A:GNP:H8	12	0.13
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	20	0.13
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	20	0.13
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	20	0.13
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	20	0.13
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	20	0.13
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	20	0.13
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	17	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG11	9	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG12	9	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG13	9	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG11	17	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG12	17	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG13	17	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG11	18	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG12	18	0.13
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG13	18	0.13
(3,2)	1:17:A:SER:OG	2:201:A:GNP:O2B	3	0.12
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	7	0.12
(1,3292)	1:120:A:LEU:H	1:120:A:LEU:HD11	14	0.12
(1,3292)	1:120:A:LEU:H	1:120:A:LEU:HD12	14	0.12
(1,3292)	1:120:A:LEU:H	1:120:A:LEU:HD13	14	0.12
(1,3292)	1:120:A:LEU:H	1:120:A:LEU:HD21	14	0.12
(1,3292)	1:120:A:LEU:H	1:120:A:LEU:HD22	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3292)	1:120:A:LEU:H	1:120:A:LEU:HD23	14	0.12
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	11	0.12
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	11	0.12
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	9	0.12
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG21	20	0.12
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG22	20	0.12
(1,3165)	1:1:A:MET:HG2	1:50:A:THR:HG23	20	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	2	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	2	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	2	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	11	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	11	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	11	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	20	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	20	0.12
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	20	0.12
(1,3150)	1:1:A:MET:HG3	1:52:A:LEU:HG	12	0.12
(1,3139)	1:41:A:ARG:HE	1:42:A:LYS:H	14	0.12
(1,3111)	1:85:A:ASN:HB2	1:125:A:VAL:H	4	0.12
(1,3111)	1:85:A:ASN:HB3	1:125:A:VAL:H	4	0.12
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG11	2	0.12
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG12	2	0.12
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG13	2	0.12
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG21	2	0.12
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG22	2	0.12
(1,3100)	1:102:A:ARG:H	1:103:A:VAL:HG23	2	0.12
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	1	0.12
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	3	0.12
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	9	0.12
(1,3064)	1:46:A:ILE:HG21	1:161:A:ARG:HE	3	0.12
(1,3064)	1:46:A:ILE:HG22	1:161:A:ARG:HE	3	0.12
(1,3064)	1:46:A:ILE:HG23	1:161:A:ARG:HE	3	0.12
(1,3057)	1:128:A:LYS:H	1:128:A:LYS:HG2	4	0.12
(1,3051)	1:126:A:ASP:HB2	1:128:A:LYS:H	11	0.12
(1,3051)	1:126:A:ASP:HB3	1:128:A:LYS:H	11	0.12
(1,3051)	1:126:A:ASP:HB2	1:128:A:LYS:H	17	0.12
(1,3051)	1:126:A:ASP:HB3	1:128:A:LYS:H	17	0.12
(1,3037)	1:128:A:LYS:HG2	1:129:A:GLN:H	5	0.12
(1,3037)	1:128:A:LYS:HG3	1:129:A:GLN:H	5	0.12
(1,3027)	1:130:A:ALA:H	1:131:A:GLN:HE21	1	0.12
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	6	0.12
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	6	0.12
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE1	11	0.12
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE2	11	0.12
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE1	11	0.12
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE2	11	0.12
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE1	11	0.12
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE2	11	0.12
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	11	0.12
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	20	0.12
(1,2954)	1:31:A:GLU:H	1:32:A:TYR:H	4	0.12
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	11	0.12
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	8	0.12
(1,2879)	1:135:A:ARG:HA	1:138:A:GLY:H	1	0.12
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	13	0.12
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	13	0.12
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	13	0.12
(1,2846)	1:140:A:PRO:HG2	1:141:A:PHE:H	19	0.12
(1,2759)	1:146:A:ALA:HB1	1:149:A:ARG:HA	15	0.12
(1,2759)	1:146:A:ALA:HB2	1:149:A:ARG:HA	15	0.12
(1,2759)	1:146:A:ALA:HB3	1:149:A:ARG:HA	15	0.12
(1,2734)	1:147:A:LYS:H	1:149:A:ARG:HA	17	0.12
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	20	0.12
(1,2710)	1:102:A:ARG:HB3	1:102:A:ARG:HE	20	0.12
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	12	0.12
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	12	0.12
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	12	0.12
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG2	10	0.12
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG3	10	0.12
(1,2648)	1:142:A:ILE:HD11	1:151:A:GLY:H	5	0.12
(1,2648)	1:142:A:ILE:HD12	1:151:A:GLY:H	5	0.12
(1,2648)	1:142:A:ILE:HD13	1:151:A:GLY:H	5	0.12
(1,2630)	1:150:A:GLN:HG3	1:152:A:VAL:H	4	0.12
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	10	0.12
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	14	0.12
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	2	0.12
(1,2589)	1:153:A:ASP:HB2	1:155:A:ALA:H	6	0.12
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	14	0.12
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	14	0.12
(1,2543)	1:123:A:ARG:HB2	1:123:A:ARG:HE	16	0.12
(1,2525)	1:160:A:VAL:HG11	1:164:A:ARG:H	13	0.12
(1,2525)	1:160:A:VAL:HG12	1:164:A:ARG:H	13	0.12
(1,2525)	1:160:A:VAL:HG13	1:164:A:ARG:H	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2525)	1:160:A:VAL:HG21	1:164:A:ARG:H	13	0.12
(1,2525)	1:160:A:VAL:HG22	1:164:A:ARG:H	13	0.12
(1,2525)	1:160:A:VAL:HG23	1:164:A:ARG:H	13	0.12
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	10	0.12
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	10	0.12
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	10	0.12
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	11	0.12
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	11	0.12
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	11	0.12
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	18	0.12
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	18	0.12
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	18	0.12
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	11	0.12
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	11	0.12
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	11	0.12
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	14	0.12
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	14	0.12
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	14	0.12
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	1	0.12
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	7	0.12
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	7	0.12
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG12	9	0.12
(1,2442)	1:162:A:GLU:H	1:163:A:ILE:HG13	9	0.12
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	10	0.12
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	15	0.12
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	6	0.12
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	3	0.12
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	4	0.12
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	5	0.12
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	13	0.12
(1,2380)	1:159:A:LEU:HD11	1:163:A:ILE:HA	2	0.12
(1,2380)	1:159:A:LEU:HD12	1:163:A:ILE:HA	2	0.12
(1,2380)	1:159:A:LEU:HD13	1:163:A:ILE:HA	2	0.12
(1,2380)	1:159:A:LEU:HD21	1:163:A:ILE:HA	2	0.12
(1,2380)	1:159:A:LEU:HD22	1:163:A:ILE:HA	2	0.12
(1,2380)	1:159:A:LEU:HD23	1:163:A:ILE:HA	2	0.12
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	7	0.12
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	7	0.12
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	7	0.12
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	7	0.12
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	7	0.12
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	7	0.12
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	7	0.12
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	7	0.12
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	11	0.12
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	11	0.12
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	11	0.12
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	11	0.12
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	11	0.12
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	11	0.12
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	11	0.12
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	11	0.12
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	11	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB1	3	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB2	3	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB3	3	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB1	14	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB2	14	0.12
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB3	14	0.12
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	9	0.12
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	14	0.12
(1,2299)	1:153:A:ASP:HA	1:157:A:TYR:HD1	18	0.12
(1,2299)	1:153:A:ASP:HA	1:157:A:TYR:HD2	18	0.12
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	13	0.12
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	13	0.12
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	13	0.12
(1,2272)	1:144:A:THR:HA	1:150:A:GLN:HG3	6	0.12
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	16	0.12
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	16	0.12
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	16	0.12
(1,2209)	1:144:A:THR:HG21	1:145:A:SER:H	19	0.12
(1,2209)	1:144:A:THR:HG22	1:145:A:SER:H	19	0.12
(1,2209)	1:144:A:THR:HG23	1:145:A:SER:H	19	0.12
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	18	0.12
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	18	0.12
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	18	0.12
(1,2200)	1:139:A:ILE:HA	1:140:A:PRO:HG2	7	0.12
(1,2163)	1:110:A:PRO:HD2	1:166:A:HIS:HE1	10	0.12
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD11	14	0.12
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD12	14	0.12
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD13	14	0.12
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD21	14	0.12
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD22	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2102)	1:130:A:ALA:HA	1:133:A:LEU:HD23	14	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	5	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	5	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	5	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	5	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	5	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	5	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	9	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	9	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	9	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	9	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	9	0.12
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	9	0.12
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	20	0.12
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	20	0.12
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	20	0.12
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	20	0.12
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	20	0.12
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	20	0.12
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	20	0.12
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	20	0.12
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	20	0.12
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	15	0.12
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	20	0.12
(1,2035)	1:128:A:LYS:HG3	1:129:A:GLN:H	15	0.12
(1,2017)	1:127:A:THR:HG21	1:131:A:GLN:HE21	4	0.12
(1,2017)	1:127:A:THR:HG22	1:131:A:GLN:HE21	4	0.12
(1,2017)	1:127:A:THR:HG23	1:131:A:GLN:HE21	4	0.12
(1,1970)	1:123:A:ARG:HD2	1:127:A:THR:H	13	0.12
(1,1970)	1:123:A:ARG:HD3	1:127:A:THR:H	13	0.12
(1,1902)	1:116:A:ASN:HA	1:144:A:THR:HA	16	0.12
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	16	0.12
(1,1822)	1:112:A:VAL:HA	1:139:A:ILE:HG12	11	0.12
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD11	12	0.12
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD12	12	0.12
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD13	12	0.12
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD21	12	0.12
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD22	12	0.12
(1,1790)	1:110:A:PRO:HG3	1:159:A:LEU:HD23	12	0.12
(1,1784)	1:111:A:MET:HA	1:111:A:MET:HG3	11	0.12
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG11	13	0.12
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG12	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG13	13	0.12
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG21	13	0.12
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG22	13	0.12
(1,1770)	1:78:A:PHE:HZ	1:109:A:VAL:HG23	13	0.12
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG21	13	0.12
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG22	13	0.12
(1,1769)	1:78:A:PHE:HE1	1:109:A:VAL:HG23	13	0.12
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG21	13	0.12
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG22	13	0.12
(1,1769)	1:78:A:PHE:HE2	1:109:A:VAL:HG23	13	0.12
(1,1739)	1:41:A:ARG:HA	1:55:A:ILE:H	8	0.12
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	17	0.12
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	17	0.12
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	17	0.12
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	17	0.12
(1,1731)	1:100:A:ILE:HG21	1:104:A:LYS:HE2	20	0.12
(1,1731)	1:100:A:ILE:HG22	1:104:A:LYS:HE2	20	0.12
(1,1731)	1:100:A:ILE:HG23	1:104:A:LYS:HE2	20	0.12
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG2	2	0.12
(1,1640)	1:97:A:ARG:HG2	1:98:A:GLU:HG3	2	0.12
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG2	2	0.12
(1,1640)	1:97:A:ARG:HG3	1:98:A:GLU:HG3	2	0.12
(1,1634)	1:22:A:GLN:HE21	1:149:A:ARG:HE	20	0.12
(1,1634)	1:22:A:GLN:HE22	1:149:A:ARG:HE	20	0.12
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG21	3	0.12
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG22	3	0.12
(1,1523)	1:87:A:THR:HG21	1:125:A:VAL:HG23	3	0.12
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG21	3	0.12
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG22	3	0.12
(1,1523)	1:87:A:THR:HG22	1:125:A:VAL:HG23	3	0.12
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG21	3	0.12
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG22	3	0.12
(1,1523)	1:87:A:THR:HG23	1:125:A:VAL:HG23	3	0.12
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE1	20	0.12
(1,1518)	1:97:A:ARG:HB3	1:137:A:TYR:HE2	20	0.12
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD1	14	0.12
(1,1515)	1:87:A:THR:HA	1:90:A:PHE:HD2	14	0.12
(1,1509)	1:87:A:THR:HA	1:125:A:VAL:HB	11	0.12
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	10	0.12
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	10	0.12
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	10	0.12
(1,1481)	1:14:A:VAL:HA	1:83:A:ALA:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	2	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	2	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	2	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	2	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	2	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	2	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	2	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	2	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	2	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	2	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	2	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	2	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	6	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	6	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	6	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	6	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	6	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	6	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	6	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	6	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	6	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	6	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	6	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	6	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	7	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	7	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	7	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	7	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	7	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	7	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	7	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	7	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	7	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	7	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	7	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	7	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG11	10	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG12	10	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG13	10	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG21	10	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG22	10	0.12
(1,1455)	1:99:A:GLN:HE21	1:103:A:VAL:HG23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG11	10	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG12	10	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG13	10	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG21	10	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG22	10	0.12
(1,1455)	1:99:A:GLN:HE22	1:103:A:VAL:HG23	10	0.12
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	3	0.12
(1,1405)	1:76:A:GLU:H	1:76:A:GLU:HG3	17	0.12
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	10	0.12
(1,1330)	1:95:A:HIS:HD2	1:96:A:TYR:H	3	0.12
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD1	8	0.12
(1,1287)	1:67:A:MET:HG2	1:71:A:TYR:HD2	8	0.12
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	3	0.12
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	20	0.12
(1,1268)	1:96:A:TYR:H	1:97:A:ARG:HB3	3	0.12
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE21	4	0.12
(1,1227)	1:61:A:GLN:HA	1:61:A:GLN:HE22	4	0.12
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	14	0.12
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	20	0.12
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE1	17	0.12
(1,1213)	1:94:A:HIS:HD2	1:137:A:TYR:HE2	17	0.12
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	7	0.12
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	7	0.12
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	7	0.12
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	7	0.12
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	7	0.12
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	7	0.12
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	15	0.12
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	15	0.12
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	15	0.12
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	15	0.12
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	15	0.12
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	15	0.12
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	10	0.12
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	10	0.12
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	10	0.12
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	10	0.12
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	10	0.12
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	10	0.12
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	20	0.12
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	20	0.12
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	20	0.12
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	20	0.12
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	20	0.12
(1,1171)	1:55:A:ILE:HG21	1:156:A:PHE:HZ	4	0.12
(1,1171)	1:55:A:ILE:HG22	1:156:A:PHE:HZ	4	0.12
(1,1171)	1:55:A:ILE:HG23	1:156:A:PHE:HZ	4	0.12
(1,1143)	1:90:A:PHE:HZ	1:132:A:ASP:H	7	0.12
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	17	0.12
(1,1070)	1:150:A:GLN:HE21	1:151:A:GLY:H	12	0.12
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	1	0.12
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	13	0.12
(1,1062)	1:131:A:GLN:HA	1:131:A:GLN:HE21	6	0.12
(1,1062)	1:131:A:GLN:HA	1:131:A:GLN:HE21	19	0.12
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	3	0.12
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	3	0.12
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD21	5	0.12
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD22	5	0.12
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD23	5	0.12
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	11	0.12
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	11	0.12
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	11	0.12
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	11	0.12
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	11	0.12
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	11	0.12
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG2	19	0.12
(1,883)	1:90:A:PHE:H	1:91:A:GLU:HG3	19	0.12
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	10	0.12
(1,871)	1:24:A:ILE:HD11	1:42:A:LYS:HA	8	0.12
(1,871)	1:24:A:ILE:HD12	1:42:A:LYS:HA	8	0.12
(1,871)	1:24:A:ILE:HD13	1:42:A:LYS:HA	8	0.12
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	8	0.12
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	8	0.12
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	14	0.12
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	14	0.12
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	1	0.12
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	1	0.12
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	1	0.12
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE1	4	0.12
(1,785)	1:59:A:ALA:H	1:71:A:TYR:HE2	4	0.12
(1,742)	1:65:A:SER:H	1:65:A:SER:HB2	16	0.12
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	8	0.12
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	8	0.12
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	7	0.12
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	7	0.12
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	7	0.12
(1,679)	1:21:A:ILE:HG21	1:26:A:ASN:H	3	0.12
(1,679)	1:21:A:ILE:HG22	1:26:A:ASN:H	3	0.12
(1,679)	1:21:A:ILE:HG23	1:26:A:ASN:H	3	0.12
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	5	0.12
(1,673)	1:35:A:SER:HA	1:36:A:ILE:H	17	0.12
(1,656)	1:36:A:ILE:HD11	1:37:A:GLU:HA	16	0.12
(1,656)	1:36:A:ILE:HD12	1:37:A:GLU:HA	16	0.12
(1,656)	1:36:A:ILE:HD13	1:37:A:GLU:HA	16	0.12
(1,648)	1:78:A:PHE:H	1:100:A:ILE:HD11	5	0.12
(1,648)	1:78:A:PHE:H	1:100:A:ILE:HD12	5	0.12
(1,648)	1:78:A:PHE:H	1:100:A:ILE:HD13	5	0.12
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	15	0.12
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	15	0.12
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD1	19	0.12
(1,633)	1:68:A:ARG:H	1:71:A:TYR:HD2	19	0.12
(1,619)	1:34:A:PRO:HA	1:35:A:SER:H	18	0.12
(1,567)	1:19:A:LEU:H	1:156:A:PHE:HZ	1	0.12
(1,567)	1:19:A:LEU:H	1:156:A:PHE:HZ	7	0.12
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	2	0.12
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD11	6	0.12
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD12	6	0.12
(1,473)	1:18:A:ALA:HA	1:21:A:ILE:HD13	6	0.12
(1,459)	1:25:A:GLN:HB2	1:27:A:HIS:HB2	20	0.12
(1,459)	1:25:A:GLN:HB2	1:27:A:HIS:HB3	20	0.12
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	14	0.12
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	14	0.12
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	14	0.12
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	14	0.12
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	14	0.12
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	14	0.12
(1,329)	1:42:A:LYS:HG2	1:43:A:GLN:H	7	0.12
(1,329)	1:42:A:LYS:HG3	1:43:A:GLN:H	7	0.12
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	1	0.12
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	3	0.12
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	15	0.12
(1,305)	1:7:A:VAL:H	1:76:A:GLU:H	18	0.12
(1,304)	1:7:A:VAL:H	1:78:A:PHE:HE1	17	0.12
(1,304)	1:7:A:VAL:H	1:78:A:PHE:HE2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	19	0.12
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	19	0.12
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	2	0.12
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	6	0.12
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	6	0.12
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	16	0.12
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	16	0.12
(1,260)	1:7:A:VAL:HG11	1:72:A:MET:HA	7	0.12
(1,260)	1:7:A:VAL:HG12	1:72:A:MET:HA	7	0.12
(1,260)	1:7:A:VAL:HG13	1:72:A:MET:HA	7	0.12
(1,260)	1:7:A:VAL:HG21	1:72:A:MET:HA	7	0.12
(1,260)	1:7:A:VAL:HG22	1:72:A:MET:HA	7	0.12
(1,260)	1:7:A:VAL:HG23	1:72:A:MET:HA	7	0.12
(1,249)	1:142:A:ILE:HG21	1:144:A:THR:H	14	0.12
(1,249)	1:142:A:ILE:HG22	1:144:A:THR:H	14	0.12
(1,249)	1:142:A:ILE:HG23	1:144:A:THR:H	14	0.12
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG2	2	0.12
(1,243)	1:5:A:LYS:H	1:5:A:LYS:HG3	2	0.12
(1,221)	1:1:A:MET:HB3	1:50:A:THR:HB	18	0.12
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD11	20	0.12
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD12	20	0.12
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD13	20	0.12
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	1	0.12
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	1	0.12
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	1	0.12
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	6	0.12
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	6	0.12
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	6	0.12
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	8	0.12
(1,113)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	8	0.12
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	8	0.12
(1,113)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	8	0.12
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	8	0.12
(1,113)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	8	0.12
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD11	12	0.12
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD12	12	0.12
(1,99)	1:11:A:ALA:H	1:93:A:ILE:HD13	12	0.12
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG11	18	0.12
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG12	18	0.12
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG13	18	0.12
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG21	18	0.12
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG22	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:15:A:GLY:HA2	1:81:A:VAL:HG23	18	0.12
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	9	0.12
(1,3318)	1:110:A:PRO:HG2	1:111:A:MET:H	11	0.11
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	9	0.11
(1,3317)	1:110:A:PRO:HB3	1:111:A:MET:H	17	0.11
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	2	0.11
(1,3277)	1:112:A:VAL:H	1:159:A:LEU:HA	6	0.11
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD1	12	0.11
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD2	12	0.11
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD1	12	0.11
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD2	12	0.11
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD1	12	0.11
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD2	12	0.11
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD1	12	0.11
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD2	12	0.11
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD1	12	0.11
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD2	12	0.11
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD1	12	0.11
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD2	12	0.11
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD1	17	0.11
(1,3266)	1:9:A:VAL:HB	1:96:A:TYR:HD2	17	0.11
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	7	0.11
(1,3223)	1:3:A:GLU:HG2	1:4:A:TYR:H	16	0.11
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	4	0.11
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	4	0.11
(1,3181)	1:117:A:LYS:H	1:119:A:ASP:H	2	0.11
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	8	0.11
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	8	0.11
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	8	0.11
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD11	14	0.11
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD12	14	0.11
(1,3160)	1:120:A:LEU:H	1:120:A:LEU:HD13	14	0.11
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE1	3	0.11
(1,3113)	1:18:A:ALA:HA	1:32:A:TYR:HE2	3	0.11
(1,3093)	1:125:A:VAL:H	1:126:A:ASP:H	20	0.11
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	11	0.11
(1,3080)	1:126:A:ASP:H	1:129:A:GLN:HB2	20	0.11
(1,3063)	1:45:A:VAL:HB	1:48:A:GLY:H	7	0.11
(1,3039)	1:127:A:THR:HB	1:128:A:LYS:HB3	8	0.11
(1,3013)	1:127:A:THR:HG21	1:130:A:ALA:H	17	0.11
(1,3013)	1:127:A:THR:HG22	1:130:A:ALA:H	17	0.11
(1,3013)	1:127:A:THR:HG23	1:130:A:ALA:H	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2918)	1:133:A:LEU:HD11	1:136:A:SER:H	4	0.11
(1,2918)	1:133:A:LEU:HD12	1:136:A:SER:H	4	0.11
(1,2918)	1:133:A:LEU:HD13	1:136:A:SER:H	4	0.11
(1,2918)	1:133:A:LEU:HD21	1:136:A:SER:H	4	0.11
(1,2918)	1:133:A:LEU:HD22	1:136:A:SER:H	4	0.11
(1,2918)	1:133:A:LEU:HD23	1:136:A:SER:H	4	0.11
(1,2918)	1:133:A:LEU:HD11	1:136:A:SER:H	17	0.11
(1,2918)	1:133:A:LEU:HD12	1:136:A:SER:H	17	0.11
(1,2918)	1:133:A:LEU:HD13	1:136:A:SER:H	17	0.11
(1,2918)	1:133:A:LEU:HD21	1:136:A:SER:H	17	0.11
(1,2918)	1:133:A:LEU:HD22	1:136:A:SER:H	17	0.11
(1,2918)	1:133:A:LEU:HD23	1:136:A:SER:H	17	0.11
(1,2906)	1:136:A:SER:H	1:136:A:SER:HB3	11	0.11
(1,2895)	1:137:A:TYR:H	1:139:A:ILE:HG12	12	0.11
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	5	0.11
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	5	0.11
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	5	0.11
(1,2869)	1:163:A:ILE:HG21	1:166:A:HIS:H	11	0.11
(1,2869)	1:163:A:ILE:HG22	1:166:A:HIS:H	11	0.11
(1,2869)	1:163:A:ILE:HG23	1:166:A:HIS:H	11	0.11
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD21	7	0.11
(1,2804)	1:83:A:ALA:HB1	1:86:A:ASN:HD22	7	0.11
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD21	7	0.11
(1,2804)	1:83:A:ALA:HB2	1:86:A:ASN:HD22	7	0.11
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD21	7	0.11
(1,2804)	1:83:A:ALA:HB3	1:86:A:ASN:HD22	7	0.11
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB1	6	0.11
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB2	6	0.11
(1,2801)	1:14:A:VAL:H	1:83:A:ALA:HB3	6	0.11
(1,2742)	1:146:A:ALA:HB1	1:149:A:ARG:H	16	0.11
(1,2742)	1:146:A:ALA:HB2	1:149:A:ARG:H	16	0.11
(1,2742)	1:146:A:ALA:HB3	1:149:A:ARG:H	16	0.11
(1,2690)	1:148:A:THR:H	1:150:A:GLN:HB2	5	0.11
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG2	1	0.11
(1,2674)	1:149:A:ARG:H	1:149:A:ARG:HG3	1	0.11
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	5	0.11
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	17	0.11
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD1	3	0.11
(1,2570)	1:156:A:PHE:H	1:157:A:TYR:HD2	3	0.11
(1,2569)	1:156:A:PHE:H	1:156:A:PHE:HE1	4	0.11
(1,2569)	1:156:A:PHE:H	1:156:A:PHE:HE2	4	0.11
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	5	0.11
(1,2564)	1:20:A:THR:HA	1:55:A:ILE:HG12	14	0.11
(1,2545)	1:166:A:HIS:H	1:166:A:HIS:HB2	18	0.11
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	2	0.11
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	2	0.11
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	2	0.11
(1,2523)	1:163:A:ILE:HD11	1:164:A:ARG:H	15	0.11
(1,2523)	1:163:A:ILE:HD12	1:164:A:ARG:H	15	0.11
(1,2523)	1:163:A:ILE:HD13	1:164:A:ARG:H	15	0.11
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	1	0.11
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	1	0.11
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	14	0.11
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	14	0.11
(1,2501)	1:159:A:LEU:HD11	1:163:A:ILE:H	18	0.11
(1,2501)	1:159:A:LEU:HD12	1:163:A:ILE:H	18	0.11
(1,2501)	1:159:A:LEU:HD13	1:163:A:ILE:H	18	0.11
(1,2501)	1:159:A:LEU:HD21	1:163:A:ILE:H	18	0.11
(1,2501)	1:159:A:LEU:HD22	1:163:A:ILE:H	18	0.11
(1,2501)	1:159:A:LEU:HD23	1:163:A:ILE:H	18	0.11
(1,2490)	1:168:A:GLU:H	1:168:A:GLU:HG2	5	0.11
(1,2437)	1:162:A:GLU:H	1:162:A:GLU:HG3	14	0.11
(1,2423)	1:166:A:HIS:HB2	1:166:A:HIS:HD2	14	0.11
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB2	6	0.11
(1,2408)	1:110:A:PRO:HB2	1:162:A:GLU:HB3	6	0.11
(1,2407)	1:162:A:GLU:HA	1:164:A:ARG:H	18	0.11
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG21	3	0.11
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG22	3	0.11
(1,2362)	1:112:A:VAL:HG11	1:158:A:THR:HG23	3	0.11
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG21	3	0.11
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG22	3	0.11
(1,2362)	1:112:A:VAL:HG12	1:158:A:THR:HG23	3	0.11
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG21	3	0.11
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG22	3	0.11
(1,2362)	1:112:A:VAL:HG13	1:158:A:THR:HG23	3	0.11
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG21	1	0.11
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG22	1	0.11
(1,2358)	1:112:A:VAL:HB	1:158:A:THR:HG23	1	0.11
(1,2329)	1:156:A:PHE:HB2	1:159:A:LEU:H	11	0.11
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB1	2	0.11
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB2	2	0.11
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB3	2	0.11
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB1	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB2	19	0.11
(1,2321)	1:154:A:ASP:HB2	1:155:A:ALA:HB3	19	0.11
(1,2315)	1:151:A:GLY:H	1:154:A:ASP:HB2	14	0.11
(1,2314)	1:154:A:ASP:HB2	1:155:A:ALA:H	4	0.11
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE1	17	0.11
(1,2298)	1:153:A:ASP:HA	1:156:A:PHE:HE2	17	0.11
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	6	0.11
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	6	0.11
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	6	0.11
(1,2284)	1:158:A:THR:HG21	1:159:A:LEU:H	15	0.11
(1,2284)	1:158:A:THR:HG22	1:159:A:LEU:H	15	0.11
(1,2284)	1:158:A:THR:HG23	1:159:A:LEU:H	15	0.11
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	2	0.11
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	10	0.11
(1,2261)	1:165:A:LYS:HB2	1:166:A:HIS:H	18	0.11
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG21	14	0.11
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG22	14	0.11
(1,2258)	1:114:A:VAL:HA	1:144:A:THR:HG23	14	0.11
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	4	0.11
(1,2223)	1:114:A:VAL:HA	1:144:A:THR:H	19	0.11
(1,2206)	1:32:A:TYR:HD1	1:34:A:PRO:HD2	18	0.11
(1,2206)	1:32:A:TYR:HD2	1:34:A:PRO:HD2	18	0.11
(1,2202)	1:144:A:THR:HG21	1:154:A:ASP:HB3	20	0.11
(1,2202)	1:144:A:THR:HG22	1:154:A:ASP:HB3	20	0.11
(1,2202)	1:144:A:THR:HG23	1:154:A:ASP:HB3	20	0.11
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	7	0.11
(1,2180)	1:142:A:ILE:HG12	1:154:A:ASP:HB3	9	0.11
(1,2180)	1:142:A:ILE:HG13	1:154:A:ASP:HB3	9	0.11
(1,2156)	1:111:A:MET:H	1:140:A:PRO:HD3	6	0.11
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE1	18	0.11
(1,2113)	1:47:A:ASP:H	1:157:A:TYR:HE2	18	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	2	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	2	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	2	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	2	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	2	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	2	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	10	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	10	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	10	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	10	0.11
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	10	0.11
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	20	0.11
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB1	4	0.11
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB2	4	0.11
(1,2079)	1:113:A:LEU:HD11	1:130:A:ALA:HB3	4	0.11
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB1	4	0.11
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB2	4	0.11
(1,2079)	1:113:A:LEU:HD12	1:130:A:ALA:HB3	4	0.11
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB1	4	0.11
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB2	4	0.11
(1,2079)	1:113:A:LEU:HD13	1:130:A:ALA:HB3	4	0.11
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	10	0.11
(1,2056)	1:126:A:ASP:HB2	1:129:A:GLN:HG2	13	0.11
(1,2056)	1:126:A:ASP:HB3	1:129:A:GLN:HG2	13	0.11
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	2	0.11
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	7	0.11
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	16	0.11
(1,2048)	1:125:A:VAL:HG11	1:129:A:GLN:HB3	3	0.11
(1,2048)	1:125:A:VAL:HG12	1:129:A:GLN:HB3	3	0.11
(1,2048)	1:125:A:VAL:HG13	1:129:A:GLN:HB3	3	0.11
(1,2048)	1:125:A:VAL:HG21	1:129:A:GLN:HB3	3	0.11
(1,2048)	1:125:A:VAL:HG22	1:129:A:GLN:HB3	3	0.11
(1,2048)	1:125:A:VAL:HG23	1:129:A:GLN:HB3	3	0.11
(1,2047)	1:148:A:THR:HG21	1:150:A:GLN:HB2	14	0.11
(1,2047)	1:148:A:THR:HG22	1:150:A:GLN:HB2	14	0.11
(1,2047)	1:148:A:THR:HG23	1:150:A:GLN:HB2	14	0.11
(1,2041)	1:129:A:GLN:HB3	1:130:A:ALA:H	13	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	7	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	7	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	7	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	7	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	7	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	7	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG11	18	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG12	18	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG13	18	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG21	18	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG22	18	0.11
(1,1993)	1:85:A:ASN:HA	1:125:A:VAL:HG23	18	0.11
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG2	2	0.11
(1,1908)	1:118:A:SER:HB2	1:143:A:GLU:HG3	2	0.11
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB2	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1905)	1:84:A:ILE:HD11	1:118:A:SER:HB3	2	0.11
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB2	2	0.11
(1,1905)	1:84:A:ILE:HD12	1:118:A:SER:HB3	2	0.11
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB2	2	0.11
(1,1905)	1:84:A:ILE:HD13	1:118:A:SER:HB3	2	0.11
(1,1902)	1:116:A:ASN:HA	1:144:A:THR:HA	10	0.11
(1,1847)	1:113:A:LEU:HB2	1:141:A:PHE:HB3	13	0.11
(1,1822)	1:112:A:VAL:HA	1:139:A:ILE:HG12	1	0.11
(1,1818)	1:78:A:PHE:HD1	1:111:A:MET:HA	4	0.11
(1,1818)	1:78:A:PHE:HD2	1:111:A:MET:HA	4	0.11
(1,1804)	1:111:A:MET:HG3	1:112:A:VAL:H	12	0.11
(1,1793)	1:130:A:ALA:HB1	1:131:A:GLN:HB2	2	0.11
(1,1793)	1:130:A:ALA:HB2	1:131:A:GLN:HB2	2	0.11
(1,1793)	1:130:A:ALA:HB3	1:131:A:GLN:HB2	2	0.11
(1,1785)	1:131:A:GLN:H	1:141:A:PHE:HZ	11	0.11
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG11	10	0.11
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG12	10	0.11
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG13	10	0.11
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG21	10	0.11
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG22	10	0.11
(1,1757)	1:104:A:LYS:HE3	1:109:A:VAL:HG23	10	0.11
(1,1752)	1:8:A:VAL:HG11	1:10:A:GLY:H	13	0.11
(1,1752)	1:8:A:VAL:HG12	1:10:A:GLY:H	13	0.11
(1,1752)	1:8:A:VAL:HG13	1:10:A:GLY:H	13	0.11
(1,1752)	1:8:A:VAL:HG21	1:10:A:GLY:H	13	0.11
(1,1752)	1:8:A:VAL:HG22	1:10:A:GLY:H	13	0.11
(1,1752)	1:8:A:VAL:HG23	1:10:A:GLY:H	13	0.11
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB2	14	0.11
(1,1738)	1:105:A:ASP:HB2	1:106:A:SER:HB3	14	0.11
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB2	14	0.11
(1,1738)	1:105:A:ASP:HB3	1:106:A:SER:HB3	14	0.11
(1,1726)	1:78:A:PHE:HE1	1:104:A:LYS:HE2	9	0.11
(1,1726)	1:78:A:PHE:HE2	1:104:A:LYS:HE2	9	0.11
(1,1672)	1:102:A:ARG:HA	1:102:A:ARG:HG2	17	0.11
(1,1672)	1:102:A:ARG:HA	1:102:A:ARG:HG3	17	0.11
(1,1626)	1:97:A:ARG:HA	1:97:A:ARG:HD2	17	0.11
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	13	0.11
(1,1496)	1:84:A:ILE:HG21	1:85:A:ASN:H	7	0.11
(1,1496)	1:84:A:ILE:HG22	1:85:A:ASN:H	7	0.11
(1,1496)	1:84:A:ILE:HG23	1:85:A:ASN:H	7	0.11
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE1	5	0.11
(1,1494)	1:133:A:LEU:HA	1:137:A:TYR:HE2	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG21	10	0.11
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG22	10	0.11
(1,1493)	1:83:A:ALA:HA	1:84:A:ILE:HG23	10	0.11
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE1	15	0.11
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE2	15	0.11
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE1	15	0.11
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE2	15	0.11
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE1	15	0.11
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE2	15	0.11
(1,1394)	1:75:A:GLY:HA3	1:77:A:GLY:H	14	0.11
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	2	0.11
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	2	0.11
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	2	0.11
(1,1383)	1:75:A:GLY:HA2	1:104:A:LYS:HD3	17	0.11
(1,1382)	1:7:A:VAL:HG11	1:75:A:GLY:HA2	1	0.11
(1,1382)	1:7:A:VAL:HG12	1:75:A:GLY:HA2	1	0.11
(1,1382)	1:7:A:VAL:HG13	1:75:A:GLY:HA2	1	0.11
(1,1382)	1:7:A:VAL:HG21	1:75:A:GLY:HA2	1	0.11
(1,1382)	1:7:A:VAL:HG22	1:75:A:GLY:HA2	1	0.11
(1,1382)	1:7:A:VAL:HG23	1:75:A:GLY:HA2	1	0.11
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG21	15	0.11
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG22	15	0.11
(1,1367)	1:56:A:LEU:HD11	1:74:A:THR:HG23	15	0.11
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG21	15	0.11
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG22	15	0.11
(1,1367)	1:56:A:LEU:HD12	1:74:A:THR:HG23	15	0.11
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG21	15	0.11
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG22	15	0.11
(1,1367)	1:56:A:LEU:HD13	1:74:A:THR:HG23	15	0.11
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG21	15	0.11
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG22	15	0.11
(1,1367)	1:56:A:LEU:HD21	1:74:A:THR:HG23	15	0.11
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG21	15	0.11
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG22	15	0.11
(1,1367)	1:56:A:LEU:HD22	1:74:A:THR:HG23	15	0.11
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG21	15	0.11
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG22	15	0.11
(1,1367)	1:56:A:LEU:HD23	1:74:A:THR:HG23	15	0.11
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD2	8	0.11
(1,1343)	1:135:A:ARG:H	1:135:A:ARG:HD3	8	0.11
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	4	0.11
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	8	0.11
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	15	0.11
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	16	0.11
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	18	0.11
(1,1274)	1:67:A:MET:HA	1:67:A:MET:HG2	19	0.11
(1,1270)	1:65:A:SER:H	1:65:A:SER:HB3	8	0.11
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	6	0.11
(1,1216)	1:94:A:HIS:HA	1:94:A:HIS:HE1	9	0.11
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE1	10	0.11
(1,1207)	1:56:A:LEU:HD21	1:71:A:TYR:HE2	10	0.11
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE1	10	0.11
(1,1207)	1:56:A:LEU:HD22	1:71:A:TYR:HE2	10	0.11
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE1	10	0.11
(1,1207)	1:56:A:LEU:HD23	1:71:A:TYR:HE2	10	0.11
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD1	1	0.11
(1,1206)	1:56:A:LEU:HD21	1:71:A:TYR:HD2	1	0.11
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD1	1	0.11
(1,1206)	1:56:A:LEU:HD22	1:71:A:TYR:HD2	1	0.11
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD1	1	0.11
(1,1206)	1:56:A:LEU:HD23	1:71:A:TYR:HD2	1	0.11
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	1	0.11
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	1	0.11
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	1	0.11
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	1	0.11
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	1	0.11
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	1	0.11
(1,1196)	1:56:A:LEU:HD11	1:71:A:TYR:H	15	0.11
(1,1196)	1:56:A:LEU:HD12	1:71:A:TYR:H	15	0.11
(1,1196)	1:56:A:LEU:HD13	1:71:A:TYR:H	15	0.11
(1,1196)	1:56:A:LEU:HD21	1:71:A:TYR:H	15	0.11
(1,1196)	1:56:A:LEU:HD22	1:71:A:TYR:H	15	0.11
(1,1196)	1:56:A:LEU:HD23	1:71:A:TYR:H	15	0.11
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	4	0.11
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	4	0.11
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	4	0.11
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	4	0.11
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	4	0.11
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	4	0.11
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	13	0.11
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	13	0.11
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	13	0.11
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	13	0.11
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	13	0.11
(1,1162)	1:40:A:TYR:HD1	1:55:A:ILE:HG12	6	0.11
(1,1162)	1:40:A:TYR:HD2	1:55:A:ILE:HG12	6	0.11
(1,1129)	1:3:A:GLU:HA	1:52:A:LEU:HB2	19	0.11
(1,1124)	1:113:A:LEU:HB2	1:142:A:ILE:H	13	0.11
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG11	18	0.11
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG12	18	0.11
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG13	18	0.11
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG21	18	0.11
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG22	18	0.11
(1,1095)	1:100:A:ILE:H	1:103:A:VAL:HG23	18	0.11
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE1	4	0.11
(1,1094)	1:21:A:ILE:H	1:40:A:TYR:HE2	4	0.11
(1,1064)	1:49:A:GLU:HA	1:49:A:GLU:HG2	6	0.11
(1,1052)	1:128:A:LYS:H	1:131:A:GLN:HE22	14	0.11
(1,1027)	1:55:A:ILE:HD11	1:156:A:PHE:HB3	16	0.11
(1,1027)	1:55:A:ILE:HD12	1:156:A:PHE:HB3	16	0.11
(1,1027)	1:55:A:ILE:HD13	1:156:A:PHE:HB3	16	0.11
(1,1018)	1:137:A:TYR:HD1	1:138:A:GLY:H	12	0.11
(1,1018)	1:137:A:TYR:HD2	1:138:A:GLY:H	12	0.11
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG11	17	0.11
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG12	17	0.11
(1,996)	1:42:A:LYS:HG2	1:44:A:VAL:HG13	17	0.11
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG11	17	0.11
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG12	17	0.11
(1,996)	1:42:A:LYS:HG3	1:44:A:VAL:HG13	17	0.11
(1,979)	1:88:A:LYS:HA	1:91:A:GLU:H	17	0.11
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	4	0.11
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	18	0.11
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD1	5	0.11
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD2	5	0.11
(1,888)	1:45:A:VAL:HB	1:46:A:ILE:H	19	0.11
(1,857)	1:41:A:ARG:HG2	1:42:A:LYS:H	20	0.11
(1,857)	1:41:A:ARG:HG3	1:42:A:LYS:H	20	0.11
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD2	8	0.11
(1,849)	1:161:A:ARG:H	1:161:A:ARG:HD3	8	0.11
(1,826)	1:120:A:LEU:HB2	2:201:A:GNP:HN1	20	0.11
(1,806)	1:41:A:ARG:HB2	1:54:A:ASP:HA	20	0.11
(1,806)	1:41:A:ARG:HB3	1:54:A:ASP:HA	20	0.11
(1,788)	1:8:A:VAL:HB	1:58:A:THR:H	11	0.11
(1,726)	1:84:A:ILE:HD11	1:123:A:ARG:HG3	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,726)	1:84:A:ILE:HD12	1:123:A:ARG:HG3	12	0.11
(1,726)	1:84:A:ILE:HD13	1:123:A:ARG:HG3	12	0.11
(1,704)	1:160:A:VAL:HB	1:161:A:ARG:H	15	0.11
(1,698)	1:86:A:ASN:HB2	1:89:A:SER:H	8	0.11
(1,663)	1:120:A:LEU:HA	1:121:A:PRO:HG2	14	0.11
(1,661)	1:6:A:LEU:HA	1:76:A:GLU:H	8	0.11
(1,579)	1:15:A:GLY:H	1:18:A:ALA:H	16	0.11
(1,575)	1:165:A:LYS:HB2	1:166:A:HIS:HA	2	0.11
(1,555)	1:19:A:LEU:H	1:20:A:THR:HB	17	0.11
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG11	12	0.11
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG12	12	0.11
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG13	12	0.11
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG21	12	0.11
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG22	12	0.11
(1,551)	1:107:A:GLU:HA	1:109:A:VAL:HG23	12	0.11
(1,548)	1:30:A:ASP:H	1:30:A:ASP:HB2	14	0.11
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	16	0.11
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	16	0.11
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	16	0.11
(1,483)	1:29:A:VAL:HA	1:32:A:TYR:HB3	14	0.11
(1,480)	1:25:A:GLN:HB2	1:26:A:ASN:H	2	0.11
(1,480)	1:25:A:GLN:HB2	1:26:A:ASN:H	14	0.11
(1,478)	1:25:A:GLN:HB3	1:26:A:ASN:H	17	0.11
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	19	0.11
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	16	0.11
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	16	0.11
(1,354)	1:42:A:LYS:H	1:54:A:ASP:HA	20	0.11
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	10	0.11
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	10	0.11
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	10	0.11
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	10	0.11
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	10	0.11
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	10	0.11
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	10	0.11
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	10	0.11
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	10	0.11
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	10	0.11
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	10	0.11
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	10	0.11
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE1	11	0.11
(1,342)	1:23:A:LEU:HD11	1:156:A:PHE:HE2	11	0.11
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE1	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,342)	1:23:A:LEU:HD12	1:156:A:PHE:HE2	11	0.11
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE1	11	0.11
(1,342)	1:23:A:LEU:HD13	1:156:A:PHE:HE2	11	0.11
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE1	11	0.11
(1,342)	1:23:A:LEU:HD21	1:156:A:PHE:HE2	11	0.11
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE1	11	0.11
(1,342)	1:23:A:LEU:HD22	1:156:A:PHE:HE2	11	0.11
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE1	11	0.11
(1,342)	1:23:A:LEU:HD23	1:156:A:PHE:HE2	11	0.11
(1,312)	1:7:A:VAL:H	1:77:A:GLY:HA2	11	0.11
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG2	2	0.11
(1,309)	1:24:A:ILE:HD11	1:25:A:GLN:HG3	2	0.11
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG2	2	0.11
(1,309)	1:24:A:ILE:HD12	1:25:A:GLN:HG3	2	0.11
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG2	2	0.11
(1,309)	1:24:A:ILE:HD13	1:25:A:GLN:HG3	2	0.11
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG2	12	0.11
(1,291)	1:67:A:MET:HA	1:70:A:GLN:HG3	12	0.11
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	3	0.11
(1,283)	1:2:A:THR:H	1:50:A:THR:HG21	17	0.11
(1,283)	1:2:A:THR:H	1:50:A:THR:HG22	17	0.11
(1,283)	1:2:A:THR:H	1:50:A:THR:HG23	17	0.11
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD11	1	0.11
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD12	1	0.11
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD13	1	0.11
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD11	6	0.11
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD12	6	0.11
(1,197)	1:92:A:ASP:H	1:93:A:ILE:HD13	6	0.11
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	11	0.11
(1,114)	1:164:A:ARG:HA	1:164:A:ARG:HE	15	0.11
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD21	14	0.11
(1,83)	1:15:A:GLY:HA2	1:116:A:ASN:HD22	14	0.11
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD11	15	0.11
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD12	15	0.11
(1,25)	1:10:A:GLY:HA2	1:93:A:ILE:HD13	15	0.11
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD11	15	0.11
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD12	15	0.11
(1,25)	1:10:A:GLY:HA3	1:93:A:ILE:HD13	15	0.11
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG11	2	0.11
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG12	2	0.11
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG13	2	0.11
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG11	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG12	20	0.11
(1,5)	1:109:A:VAL:H	1:109:A:VAL:HG13	20	0.11
(2,2)	3:202:A:MG:MG	2:201:A:GNP:O2B	4	0.1
(1,3315)	1:110:A:PRO:HB2	1:111:A:MET:H	17	0.1
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD1	8	0.1
(1,3271)	1:9:A:VAL:HG11	1:96:A:TYR:HD2	8	0.1
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD1	8	0.1
(1,3271)	1:9:A:VAL:HG12	1:96:A:TYR:HD2	8	0.1
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD1	8	0.1
(1,3271)	1:9:A:VAL:HG13	1:96:A:TYR:HD2	8	0.1
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD1	8	0.1
(1,3271)	1:9:A:VAL:HG21	1:96:A:TYR:HD2	8	0.1
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD1	8	0.1
(1,3271)	1:9:A:VAL:HG22	1:96:A:TYR:HD2	8	0.1
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD1	8	0.1
(1,3271)	1:9:A:VAL:HG23	1:96:A:TYR:HD2	8	0.1
(1,3221)	1:3:A:GLU:HG2	1:52:A:LEU:HB2	15	0.1
(1,3221)	1:3:A:GLU:HG3	1:52:A:LEU:HB2	15	0.1
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD11	2	0.1
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD12	2	0.1
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD13	2	0.1
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD21	2	0.1
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD22	2	0.1
(1,3211)	1:117:A:LYS:H	1:120:A:LEU:HD23	2	0.1
(1,3201)	1:2:A:THR:HG21	1:51:A:CYS:HB3	18	0.1
(1,3201)	1:2:A:THR:HG22	1:51:A:CYS:HB3	18	0.1
(1,3201)	1:2:A:THR:HG23	1:51:A:CYS:HB3	18	0.1
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB2	20	0.1
(1,3190)	1:2:A:THR:HA	1:3:A:GLU:HB3	20	0.1
(1,3186)	1:119:A:ASP:H	1:147:A:LYS:H	19	0.1
(1,3173)	1:1:A:MET:HG2	1:2:A:THR:H	3	0.1
(1,3020)	1:90:A:PHE:HZ	1:130:A:ALA:H	4	0.1
(1,3004)	1:90:A:PHE:HZ	1:131:A:GLN:H	2	0.1
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE1	18	0.1
(1,2992)	1:18:A:ALA:HB1	1:32:A:TYR:HE2	18	0.1
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE1	18	0.1
(1,2992)	1:18:A:ALA:HB2	1:32:A:TYR:HE2	18	0.1
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE1	18	0.1
(1,2992)	1:18:A:ALA:HB3	1:32:A:TYR:HE2	18	0.1
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	14	0.1
(1,2962)	1:132:A:ASP:HB2	1:133:A:LEU:H	15	0.1
(1,2943)	1:32:A:TYR:H	1:32:A:TYR:HB3	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2927)	1:90:A:PHE:HZ	1:134:A:ALA:H	1	0.1
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	1	0.1
(1,2897)	1:75:A:GLY:H	1:77:A:GLY:H	18	0.1
(1,2814)	1:142:A:ILE:HG21	1:143:A:GLU:H	12	0.1
(1,2814)	1:142:A:ILE:HG22	1:143:A:GLU:H	12	0.1
(1,2814)	1:142:A:ILE:HG23	1:143:A:GLU:H	12	0.1
(1,2785)	1:117:A:LYS:H	1:145:A:SER:H	11	0.1
(1,2768)	1:145:A:SER:H	1:150:A:GLN:HG3	12	0.1
(1,2756)	1:28:A:PHE:HE1	1:146:A:ALA:H	19	0.1
(1,2756)	1:28:A:PHE:HE2	1:146:A:ALA:H	19	0.1
(1,2730)	1:118:A:SER:H	1:147:A:LYS:H	14	0.1
(1,2695)	1:119:A:ASP:HB2	1:148:A:THR:H	13	0.1
(1,2695)	1:119:A:ASP:HB3	1:148:A:THR:H	13	0.1
(1,2686)	1:148:A:THR:HG21	1:149:A:ARG:H	9	0.1
(1,2686)	1:148:A:THR:HG22	1:149:A:ARG:H	9	0.1
(1,2686)	1:148:A:THR:HG23	1:149:A:ARG:H	9	0.1
(1,2636)	1:80:A:CYS:HB2	1:111:A:MET:HB3	12	0.1
(1,2636)	1:80:A:CYS:HB3	1:111:A:MET:HB3	12	0.1
(1,2620)	1:166:A:HIS:HB3	1:167:A:LYS:HB2	8	0.1
(1,2607)	1:21:A:ILE:HA	1:27:A:HIS:H	11	0.1
(1,2603)	1:21:A:ILE:HA	1:23:A:LEU:HB3	20	0.1
(1,2589)	1:153:A:ASP:HB2	1:155:A:ALA:H	20	0.1
(1,2569)	1:156:A:PHE:H	1:156:A:PHE:HE1	19	0.1
(1,2569)	1:156:A:PHE:H	1:156:A:PHE:HE2	19	0.1
(1,2540)	1:72:A:MET:HE1	1:100:A:ILE:HA	3	0.1
(1,2540)	1:72:A:MET:HE2	1:100:A:ILE:HA	3	0.1
(1,2540)	1:72:A:MET:HE3	1:100:A:ILE:HA	3	0.1
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD2	13	0.1
(1,2513)	1:164:A:ARG:H	1:164:A:ARG:HD3	13	0.1
(1,2459)	1:163:A:ILE:HG21	1:166:A:HIS:HB2	3	0.1
(1,2459)	1:163:A:ILE:HG22	1:166:A:HIS:HB2	3	0.1
(1,2459)	1:163:A:ILE:HG23	1:166:A:HIS:HB2	3	0.1
(1,2444)	1:1:A:MET:HA	1:2:A:THR:HB	3	0.1
(1,2441)	1:2:A:THR:HB	1:3:A:GLU:H	8	0.1
(1,2415)	1:77:A:GLY:HA3	1:163:A:ILE:HA	11	0.1
(1,2400)	1:160:A:VAL:HG11	1:161:A:ARG:HA	6	0.1
(1,2400)	1:160:A:VAL:HG12	1:161:A:ARG:HA	6	0.1
(1,2400)	1:160:A:VAL:HG13	1:161:A:ARG:HA	6	0.1
(1,2400)	1:160:A:VAL:HG11	1:161:A:ARG:HA	11	0.1
(1,2400)	1:160:A:VAL:HG12	1:161:A:ARG:HA	11	0.1
(1,2400)	1:160:A:VAL:HG13	1:161:A:ARG:HA	11	0.1
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD11	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD12	4	0.1
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD13	4	0.1
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD21	4	0.1
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD22	4	0.1
(1,2330)	1:156:A:PHE:HB3	1:159:A:LEU:HD23	4	0.1
(1,2328)	1:144:A:THR:HA	1:152:A:VAL:H	13	0.1
(1,2293)	1:143:A:GLU:HB3	1:144:A:THR:HA	16	0.1
(1,2274)	1:150:A:GLN:HA	1:150:A:GLN:HG3	17	0.1
(1,2209)	1:144:A:THR:HG21	1:145:A:SER:H	9	0.1
(1,2209)	1:144:A:THR:HG22	1:145:A:SER:H	9	0.1
(1,2209)	1:144:A:THR:HG23	1:145:A:SER:H	9	0.1
(1,2191)	1:118:A:SER:HB3	1:143:A:GLU:HG2	8	0.1
(1,2131)	1:100:A:ILE:HG21	1:104:A:LYS:HG2	12	0.1
(1,2131)	1:100:A:ILE:HG22	1:104:A:LYS:HG2	12	0.1
(1,2131)	1:100:A:ILE:HG23	1:104:A:LYS:HG2	12	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	13	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	13	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	13	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	13	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	13	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	13	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD11	16	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD12	16	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD13	16	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD21	16	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD22	16	0.1
(1,2095)	1:132:A:ASP:H	1:133:A:LEU:HD23	16	0.1
(1,2093)	1:159:A:LEU:HA	1:162:A:GLU:HG3	6	0.1
(1,2067)	1:3:A:GLU:HA	1:4:A:TYR:HB2	3	0.1
(1,2054)	1:129:A:GLN:HA	1:129:A:GLN:HG2	13	0.1
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG21	16	0.1
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG22	16	0.1
(1,1950)	1:122:A:SER:HB2	1:124:A:THR:HG23	16	0.1
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG21	16	0.1
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG22	16	0.1
(1,1950)	1:122:A:SER:HB3	1:124:A:THR:HG23	16	0.1
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG21	4	0.1
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG22	4	0.1
(1,1869)	1:116:A:ASN:HA	1:144:A:THR:HG23	4	0.1
(1,1820)	1:11:A:ALA:H	1:14:A:VAL:HG21	12	0.1
(1,1820)	1:11:A:ALA:H	1:14:A:VAL:HG22	12	0.1
(1,1820)	1:11:A:ALA:H	1:14:A:VAL:HG23	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1793)	1:130:A:ALA:HB1	1:131:A:GLN:HB2	19	0.1
(1,1793)	1:130:A:ALA:HB2	1:131:A:GLN:HB2	19	0.1
(1,1793)	1:130:A:ALA:HB3	1:131:A:GLN:HB2	19	0.1
(1,1547)	1:82:A:PHE:HA	1:90:A:PHE:HA	5	0.1
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG2	3	0.1
(1,1519)	1:87:A:THR:HB	1:91:A:GLU:HG3	3	0.1
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE1	12	0.1
(1,1512)	1:97:A:ARG:HB2	1:137:A:TYR:HE2	12	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	1	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	1	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	1	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	2	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	2	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	2	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	3	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	3	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	3	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	4	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	4	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	4	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	6	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	6	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	6	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	7	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	7	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	7	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	8	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	8	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	8	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	9	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	9	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	9	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	12	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	12	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	12	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	13	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	13	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	13	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	16	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	16	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	16	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	18	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	18	0.1
(1,1444)	1:79:A:LEU:HD21	1:155:A:ALA:HA	20	0.1
(1,1444)	1:79:A:LEU:HD22	1:155:A:ALA:HA	20	0.1
(1,1444)	1:79:A:LEU:HD23	1:155:A:ALA:HA	20	0.1
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE1	10	0.1
(1,1418)	1:11:A:ALA:HA	1:96:A:TYR:HE2	10	0.1
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE1	3	0.1
(1,1413)	1:11:A:ALA:HB1	1:96:A:TYR:HE2	3	0.1
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE1	3	0.1
(1,1413)	1:11:A:ALA:HB2	1:96:A:TYR:HE2	3	0.1
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE1	3	0.1
(1,1413)	1:11:A:ALA:HB3	1:96:A:TYR:HE2	3	0.1
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	4	0.1
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	4	0.1
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	4	0.1
(1,1385)	1:84:A:ILE:HD11	1:123:A:ARG:HB3	20	0.1
(1,1385)	1:84:A:ILE:HD12	1:123:A:ARG:HB3	20	0.1
(1,1385)	1:84:A:ILE:HD13	1:123:A:ARG:HB3	20	0.1
(1,1330)	1:95:A:HIS:HD2	1:96:A:TYR:H	1	0.1
(1,1262)	1:93:A:ILE:HB	1:96:A:TYR:H	4	0.1
(1,1244)	1:91:A:GLU:H	1:91:A:GLU:HG3	20	0.1
(1,1187)	1:56:A:LEU:HD11	1:71:A:TYR:HB2	19	0.1
(1,1187)	1:56:A:LEU:HD12	1:71:A:TYR:HB2	19	0.1
(1,1187)	1:56:A:LEU:HD13	1:71:A:TYR:HB2	19	0.1
(1,1187)	1:56:A:LEU:HD21	1:71:A:TYR:HB2	19	0.1
(1,1187)	1:56:A:LEU:HD22	1:71:A:TYR:HB2	19	0.1
(1,1187)	1:56:A:LEU:HD23	1:71:A:TYR:HB2	19	0.1
(1,1185)	1:56:A:LEU:HD11	1:71:A:TYR:HB3	14	0.1
(1,1185)	1:56:A:LEU:HD12	1:71:A:TYR:HB3	14	0.1
(1,1185)	1:56:A:LEU:HD13	1:71:A:TYR:HB3	14	0.1
(1,1185)	1:56:A:LEU:HD21	1:71:A:TYR:HB3	14	0.1
(1,1185)	1:56:A:LEU:HD22	1:71:A:TYR:HB3	14	0.1
(1,1185)	1:56:A:LEU:HD23	1:71:A:TYR:HB3	14	0.1
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	5	0.1
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	5	0.1
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE1	14	0.1
(1,1086)	1:3:A:GLU:H	1:4:A:TYR:HE2	14	0.1
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD21	19	0.1
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD22	19	0.1
(1,993)	1:111:A:MET:HA	1:159:A:LEU:HD23	19	0.1
(1,964)	1:43:A:GLN:HA	1:43:A:GLN:HE22	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD11	20	0.1
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD12	20	0.1
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD13	20	0.1
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD21	20	0.1
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD22	20	0.1
(1,958)	1:43:A:GLN:HE22	1:52:A:LEU:HD23	20	0.1
(1,954)	1:43:A:GLN:HA	1:43:A:GLN:HE21	8	0.1
(1,941)	1:5:A:LYS:H	1:5:A:LYS:HG3	4	0.1
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB2	15	0.1
(1,917)	1:146:A:ALA:HA	1:149:A:ARG:HB3	15	0.1
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD1	3	0.1
(1,907)	1:22:A:GLN:HE21	1:28:A:PHE:HD2	3	0.1
(1,906)	1:24:A:ILE:HA	1:42:A:LYS:HD2	20	0.1
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	2	0.1
(1,879)	1:49:A:GLU:H	1:50:A:THR:H	17	0.1
(1,863)	1:41:A:ARG:HG2	1:54:A:ASP:HA	13	0.1
(1,863)	1:41:A:ARG:HG3	1:54:A:ASP:HA	13	0.1
(1,827)	1:120:A:LEU:HD11	2:201:A:GNP:HN1	13	0.1
(1,827)	1:120:A:LEU:HD12	2:201:A:GNP:HN1	13	0.1
(1,827)	1:120:A:LEU:HD13	2:201:A:GNP:HN1	13	0.1
(1,729)	1:36:A:ILE:HG21	1:37:A:GLU:H	12	0.1
(1,729)	1:36:A:ILE:HG22	1:37:A:GLU:H	12	0.1
(1,729)	1:36:A:ILE:HG23	1:37:A:GLU:H	12	0.1
(1,704)	1:160:A:VAL:HB	1:161:A:ARG:H	14	0.1
(1,704)	1:160:A:VAL:HB	1:161:A:ARG:H	20	0.1
(1,555)	1:19:A:LEU:H	1:20:A:THR:HB	4	0.1
(1,532)	1:166:A:HIS:HB2	1:168:A:GLU:H	8	0.1
(1,516)	1:20:A:THR:HG21	1:23:A:LEU:H	11	0.1
(1,516)	1:20:A:THR:HG22	1:23:A:LEU:H	11	0.1
(1,516)	1:20:A:THR:HG23	1:23:A:LEU:H	11	0.1
(1,508)	1:21:A:ILE:HD11	1:24:A:ILE:H	9	0.1
(1,508)	1:21:A:ILE:HD12	1:24:A:ILE:H	9	0.1
(1,508)	1:21:A:ILE:HD13	1:24:A:ILE:H	9	0.1
(1,444)	1:26:A:ASN:HB3	1:27:A:HIS:HD2	9	0.1
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD1	13	0.1
(1,402)	1:24:A:ILE:HD11	1:40:A:TYR:HD2	13	0.1
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD1	13	0.1
(1,402)	1:24:A:ILE:HD12	1:40:A:TYR:HD2	13	0.1
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD1	13	0.1
(1,402)	1:24:A:ILE:HD13	1:40:A:TYR:HD2	13	0.1
(1,388)	1:24:A:ILE:HG12	1:25:A:GLN:HE21	1	0.1
(1,388)	1:24:A:ILE:HG13	1:25:A:GLN:HE21	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,363)	1:24:A:ILE:HA	1:42:A:LYS:HD3	11	0.1
(1,285)	1:2:A:THR:H	1:51:A:CYS:H	10	0.1
(1,282)	1:22:A:GLN:HB2	1:26:A:ASN:H	12	0.1
(1,282)	1:22:A:GLN:HB3	1:26:A:ASN:H	12	0.1
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD11	12	0.1
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD12	12	0.1
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD13	12	0.1
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD21	12	0.1
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD22	12	0.1
(1,186)	1:41:A:ARG:HD2	1:52:A:LEU:HD23	12	0.1
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD11	12	0.1
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD12	12	0.1
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD13	12	0.1
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD21	12	0.1
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD22	12	0.1
(1,186)	1:41:A:ARG:HD3	1:52:A:LEU:HD23	12	0.1
(1,151)	1:29:A:VAL:HG11	2:201:A:GNP:H2'	9	0.1
(1,151)	1:29:A:VAL:HG12	2:201:A:GNP:H2'	9	0.1
(1,151)	1:29:A:VAL:HG13	2:201:A:GNP:H2'	9	0.1
(1,119)	1:97:A:ARG:HG2	1:98:A:GLU:H	2	0.1
(1,119)	1:97:A:ARG:HG3	1:98:A:GLU:H	2	0.1
(1,107)	1:96:A:TYR:HA	1:100:A:ILE:H	4	0.1
(1,42)	1:105:A:ASP:H	1:106:A:SER:H	19	0.1
(1,6)	1:100:A:ILE:HG21	1:109:A:VAL:H	13	0.1
(1,6)	1:100:A:ILE:HG22	1:109:A:VAL:H	13	0.1
(1,6)	1:100:A:ILE:HG23	1:109:A:VAL:H	13	0.1

10 Dihedral-angle violation analysis

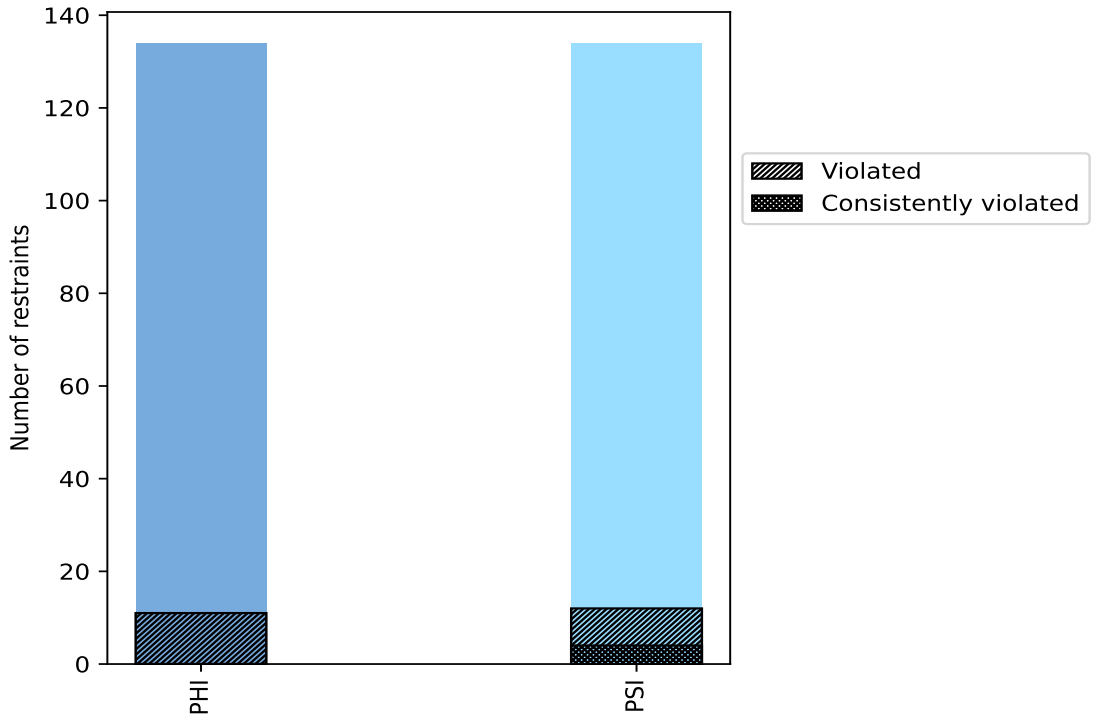
10.1 Summary of dihedral-angle violations

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	134	50.0	11	8.2	4.1	0	0.0	0.0
PSI	134	50.0	12	9.0	4.5	4	3.0	1.5
Total	268	100.0	23	8.6	8.6	4	1.5	1.5

[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



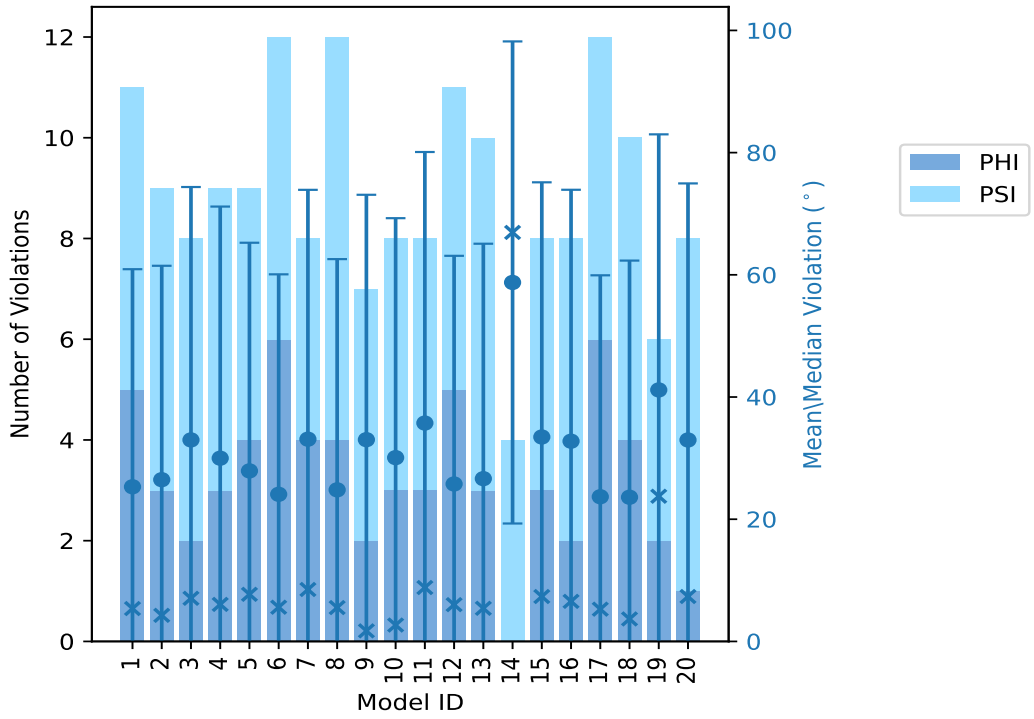
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	5	6	11	25.31	99.95	35.61	5.38
2	3	6	9	26.47	90.71	35.01	4.27
3	2	6	8	32.98	109.23	41.39	7.06
4	3	6	9	29.99	114.28	41.18	6.06
5	4	5	9	27.91	100.96	37.34	7.71
6	6	6	12	24.08	105.0	36.0	5.6
7	4	4	8	33.1	104.3	40.81	8.5
8	4	8	12	24.81	116.8	37.76	5.54
9	2	5	7	33.02	101.4	40.08	1.73
10	3	5	8	30.08	98.07	39.19	2.68
11	3	5	8	35.74	115.82	44.36	8.82
12	5	6	11	25.77	106.33	37.34	6.02
13	3	7	10	26.64	116.1	38.45	5.42
14	0	4	4	58.75	99.6	39.45	66.94
15	3	5	8	33.46	109.37	41.68	7.35
16	2	6	8	32.77	105.88	41.15	6.56
17	6	6	12	23.68	103.05	36.24	5.28
18	4	6	10	23.6	115.6	38.73	3.68
19	2	4	6	41.16	99.23	41.83	23.76
20	1	7	8	32.97	115.32	41.99	7.35

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

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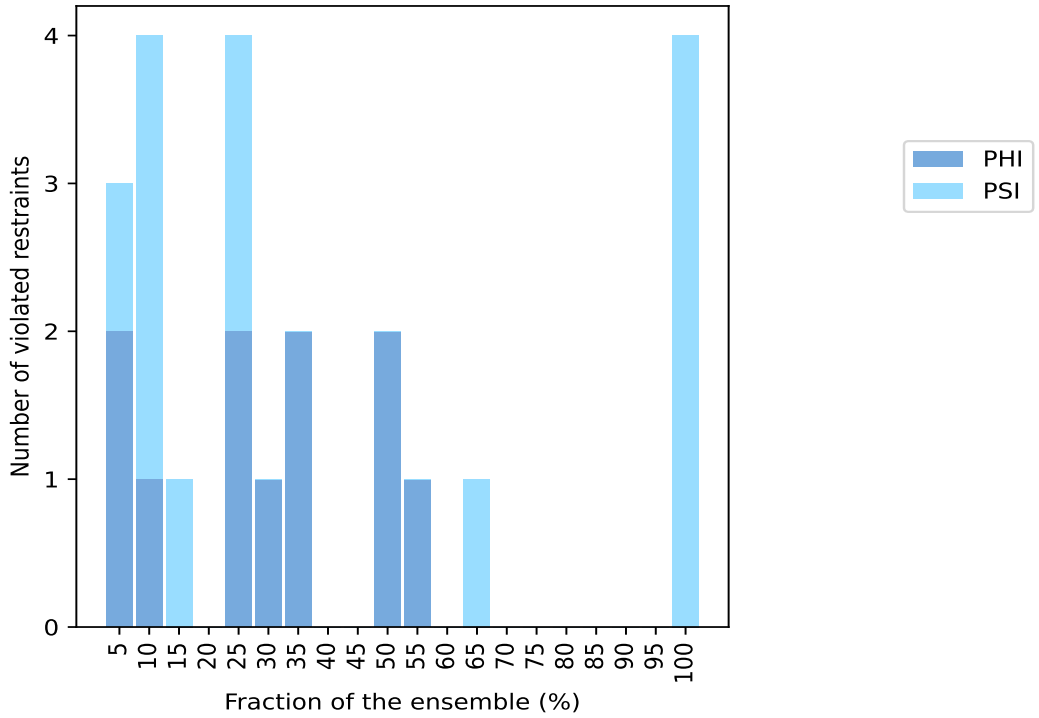
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	0	0	12	60.0
0	1	1	13	65.0
0	0	0	14	70.0
0	0	0	15	75.0
0	0	0	16	80.0
0	0	0	17	85.0
0	0	0	18	90.0
0	0	0	19	95.0
0	4	4	20	100.0

[1] Number of models with violations

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

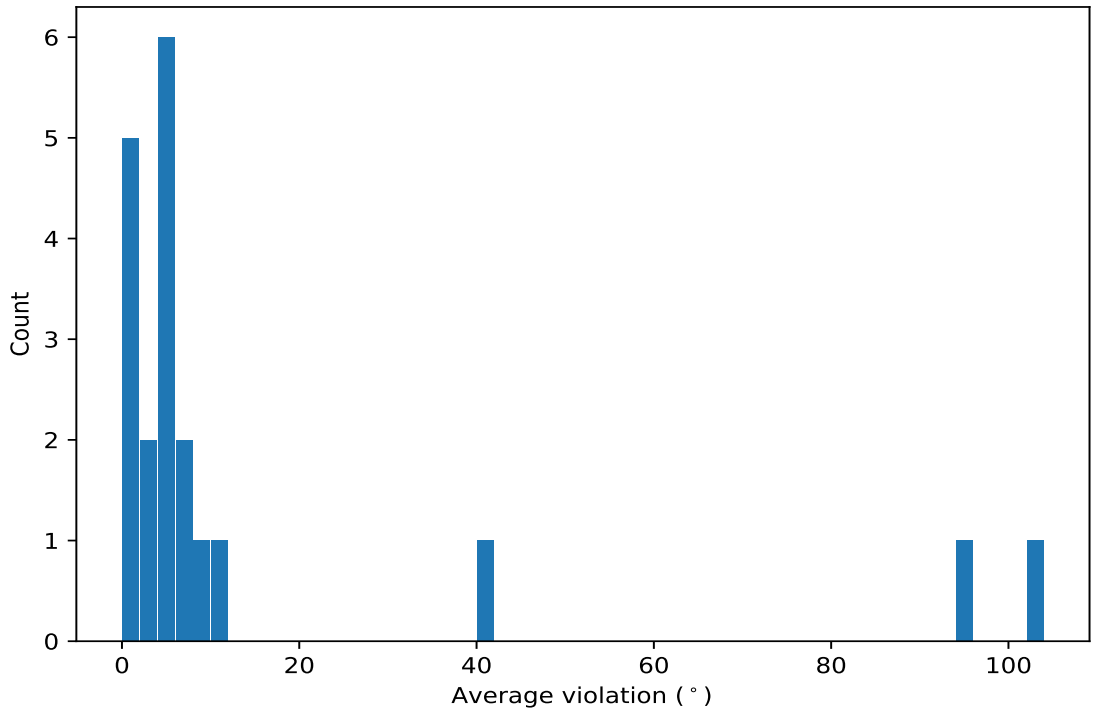


10.4 Most violated dihedral-angle restraints in the ensemble

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.

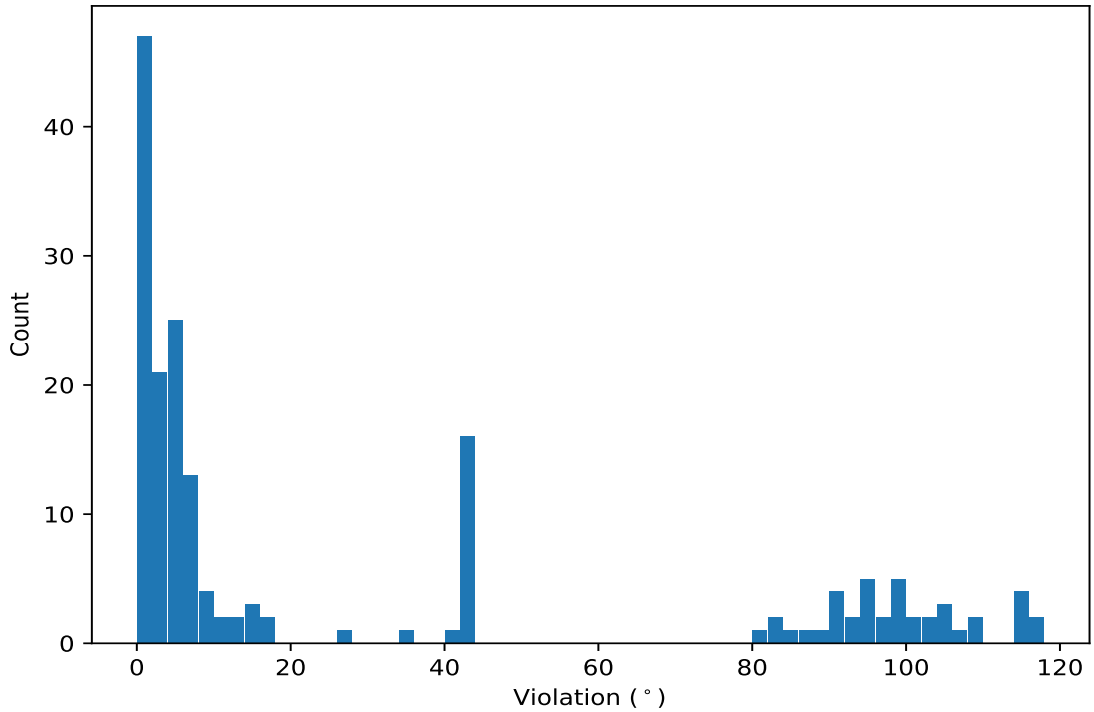
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	20	102.47	7.77	100.46
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	20	95.65	10.48	93.13
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	20	40.41	6.38	42.92
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	20	1.4	0.12	1.4
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	13	4.18	1.3	4.18
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	11	3.61	1.08	3.36
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	10	5.78	2.39	5.33
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	10	4.51	2.07	4.32
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	7	10.98	3.55	13.9
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	7	1.38	0.14	1.37
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	6	4.89	1.39	5.58
(1,49)	1:37:A:GLU:C	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	5	8.35	5.86	7.99
(1,91)	1:59:A:ALA:C	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	5	7.49	3.82	5.19
(1,30)	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1:21:A:ILE:N	5	1.59	0.24	1.63
(1,100)	1:68:A:ARG:N	1:68:A:ARG:CA	1:68:A:ARG:C	1:69:A:ASP:N	5	1.15	0.05	1.16
(1,172)	1:104:A:LYS:N	1:104:A:LYS:CA	1:104:A:LYS:C	1:105:A:ASP:N	3	3.56	0.2	3.68
(1,154)	1:95:A:HIS:N	1:95:A:HIS:CA	1:95:A:HIS:C	1:96:A:TYR:N	2	7.5	1.82	7.5
(1,70)	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	1:49:A:GLU:N	2	5.07	0.95	5.07
(1,39)	1:24:A:ILE:C	1:25:A:GLN:N	1:25:A:GLN:CA	1:25:A:GLN:C	2	4.94	1.76	4.94
(1,258)	1:162:A:GLU:N	1:162:A:GLU:CA	1:162:A:GLU:C	1:163:A:ILE:N	2	1.2	0.1	1.2

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	8	116.8
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	13	116.1
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	11	115.82
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	18	115.6
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	20	115.32
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	4	114.28
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	15	109.37
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	3	109.23
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	12	106.33
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	16	105.88
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	6	105.0

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	7	104.3
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	11	103.29
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	17	103.05
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	9	101.4
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	5	100.96
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	1	99.95
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	14	99.6
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	19	99.23
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	17	99.04
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	10	98.07
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	16	97.65
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	6	96.26
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	7	95.81
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	12	95.76
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	15	94.43
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	19	94.43
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	1	94.01
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	8	92.38
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	3	92.25
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	4	91.52
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	5	91.13
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	14	90.91
(1,50)	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	1:39:A:SER:N	2	90.71
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	10	89.65
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	20	86.71
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	2	84.79
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	18	82.63
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	9	82.57
(1,88)	1:57:A:ASP:N	1:57:A:ASP:CA	1:57:A:ASP:C	1:58:A:THR:N	13	80.02
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	8	43.24
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	19	43.13
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	10	43.01
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	3	42.99
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	17	42.98
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	14	42.97
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	15	42.97
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	1	42.95
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	12	42.95
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	2	42.93
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	6	42.92
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	20	42.88
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	13	42.87
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	7	42.81
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	4	42.64
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	9	42.06
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	11	41.12
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	16	35.64
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	5	27.89
(1,49)	1:37:A:GLU:C	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	8	17.76
(1,92)	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	1:61:A:GLN:N	18	17.31
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	6	14.25

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	5	14.03
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	12	14.01
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	1	13.9
(1,91)	1:59:A:ALA:C	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	7	12.93
(1,49)	1:37:A:GLU:C	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	11	11.36
(1,91)	1:59:A:ALA:C	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	20	11.25
(1,154)	1:95:A:HIS:N	1:95:A:HIS:CA	1:95:A:HIS:C	1:96:A:TYR:N	13	9.32
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	15	8.95
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	3	8.93
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	6	8.9
(1,49)	1:37:A:GLU:C	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	17	7.99
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	5	7.71
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	17	7.55
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	8	6.88
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	16	6.73
(1,39)	1:24:A:ILE:C	1:25:A:GLN:N	1:25:A:GLN:CA	1:25:A:GLN:C	6	6.7
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	12	6.62
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	16	6.4
(1,53)	1:39:A:SER:C	1:40:A:TYR:N	1:40:A:TYR:CA	1:40:A:TYR:C	11	6.27
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	4	6.1
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	4	6.06
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	18	6.02
(1,70)	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	1:49:A:GLU:N	12	6.02
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	1	5.93
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	8	5.84
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	15	5.75
(1,154)	1:95:A:HIS:N	1:95:A:HIS:CA	1:95:A:HIS:C	1:96:A:TYR:N	17	5.68
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	13	5.67
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	1	5.38
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	1	5.29
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	12	5.28
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	8	5.24
(1,91)	1:59:A:ALA:C	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	3	5.19
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	13	5.16
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	4	5.08
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	2	4.92
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	17	4.89
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	16	4.72
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	6	4.51
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	19	4.39
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	1	4.34
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	19	4.31
(1,91)	1:59:A:ALA:C	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	2	4.27
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	18	4.18
(1,70)	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	1:49:A:GLU:N	1	4.12
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	5	4.1
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	7	4.07
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	8	4.01
(1,91)	1:59:A:ALA:C	1:60:A:GLY:N	1:60:A:GLY:CA	1:60:A:GLY:C	17	3.79
(1,172)	1:104:A:LYS:N	1:104:A:LYS:CA	1:104:A:LYS:C	1:105:A:ASP:N	16	3.72
(1,172)	1:104:A:LYS:N	1:104:A:LYS:CA	1:104:A:LYS:C	1:105:A:ASP:N	2	3.68

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	6	3.66
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	15	3.52
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	10	3.47
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	20	3.45
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	17	3.36
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	11	3.3
(1,172)	1:104:A:LYS:N	1:104:A:LYS:CA	1:104:A:LYS:C	1:105:A:ASP:N	11	3.27
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	17	3.2
(1,49)	1:37:A:GLU:C	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	13	3.18
(1,39)	1:24:A:ILE:C	1:25:A:GLN:N	1:25:A:GLN:CA	1:25:A:GLN:C	18	3.17
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	18	3.05
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	2	3.01
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	3	2.55
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	12	2.49
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	5	2.45
(1,89)	1:58:A:THR:C	1:59:A:ALA:N	1:59:A:ALA:CA	1:59:A:ALA:C	2	2.41
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	7	2.4
(1,130)	1:83:A:ALA:N	1:83:A:ALA:CA	1:83:A:ALA:C	1:84:A:ILE:N	6	2.2
(1,33)	1:21:A:ILE:C	1:22:A:GLN:N	1:22:A:GLN:CA	1:22:A:GLN:C	10	1.89
(1,30)	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1:21:A:ILE:N	10	1.86
(1,30)	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1:21:A:ILE:N	6	1.84
(1,3)	1:2:A:THR:C	1:3:A:GLU:N	1:3:A:GLU:CA	1:3:A:GLU:C	9	1.73
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	12	1.63
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	18	1.63
(1,30)	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1:21:A:ILE:N	20	1.63
(1,60)	1:43:A:GLN:N	1:43:A:GLN:CA	1:43:A:GLN:C	1:44:A:VAL:N	8	1.55
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	3	1.54
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	14	1.53
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	11	1.52
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	4	1.52
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	15	1.51
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	8	1.51
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	19	1.49
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	2	1.47
(1,49)	1:37:A:GLU:C	1:38:A:ASP:N	1:38:A:ASP:CA	1:38:A:ASP:C	5	1.47
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	5	1.43
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	16	1.42
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	6	1.4
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	20	1.4
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	10	1.38
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	13	1.37
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	1	1.37
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	4	1.37
(1,30)	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1:21:A:ILE:N	4	1.37
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	13	1.36
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	17	1.35
(1,181)	1:113:A:LEU:C	1:114:A:VAL:N	1:114:A:VAL:CA	1:114:A:VAL:C	18	1.34
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	10	1.32
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	12	1.31
(1,258)	1:162:A:GLU:N	1:162:A:GLU:CA	1:162:A:GLU:C	1:163:A:ILE:N	13	1.3
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	7	1.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	17	1.28
(1,30)	1:20:A:THR:N	1:20:A:THR:CA	1:20:A:THR:C	1:21:A:ILE:N	8	1.27
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	6	1.26
(1,69)	1:47:A:ASP:C	1:48:A:GLY:N	1:48:A:GLY:CA	1:48:A:GLY:C	9	1.22
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	15	1.21
(1,100)	1:68:A:ARG:N	1:68:A:ARG:CA	1:68:A:ARG:C	1:69:A:ASP:N	3	1.2
(1,100)	1:68:A:ARG:N	1:68:A:ARG:CA	1:68:A:ARG:C	1:69:A:ASP:N	8	1.19
(1,167)	1:101:A:LYS:C	1:102:A:ARG:N	1:102:A:ARG:CA	1:102:A:ARG:C	7	1.16
(1,100)	1:68:A:ARG:N	1:68:A:ARG:CA	1:68:A:ARG:C	1:69:A:ASP:N	1	1.16
(1,100)	1:68:A:ARG:N	1:68:A:ARG:CA	1:68:A:ARG:C	1:69:A:ASP:N	20	1.14
(1,82)	1:54:A:ASP:N	1:54:A:ASP:CA	1:54:A:ASP:C	1:55:A:ILE:N	9	1.12
(1,258)	1:162:A:GLU:N	1:162:A:GLU:CA	1:162:A:GLU:C	1:163:A:ILE:N	18	1.09
(1,100)	1:68:A:ARG:N	1:68:A:ARG:CA	1:68:A:ARG:C	1:69:A:ASP:N	9	1.06
(1,163)	1:99:A:GLN:C	1:100:A:ILE:N	1:100:A:ILE:CA	1:100:A:ILE:C	12	1.03