Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 03:22 PM UTC

PDB ID	:	2L40 / pdb_00002l40
BMRB ID	:	17213
Title	:	Mouse prion protein (121-231) containing the substitution Y169A
Authors	:	Christen, B.; Damberger, F.F.; Perez, D.R.; Hornemann, S.; Wuthrich, K.
Deposited on	:	2010-09-28

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

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

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

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

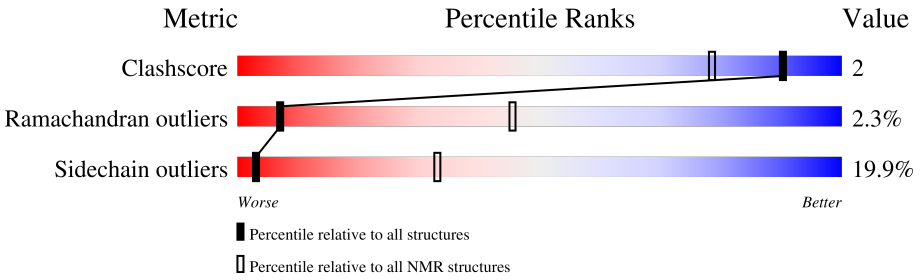
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance

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

The overall completeness of chemical shifts assignment is 84%.

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	114	74% 15% • 11%

2 Ensemble composition and analysis

This entry contains 20 models. Model 3 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *fewest violations*.

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:125-A:226 (102)	0.65	3

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 5 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1798 atoms, of which 868 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Major prion protein.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	114	1798	574	868	165	182	9	0

There are 3 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	119	GLY	-	expression tag	UNP Q4FJQ7
A	120	SER	-	expression tag	UNP Q4FJQ7
A	169	ALA	TYR	engineered mutation	UNP Q4FJQ7

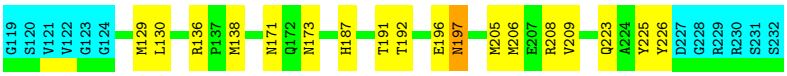
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Major prion protein

Chain A:



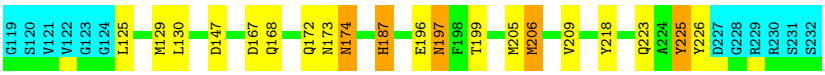
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Major prion protein

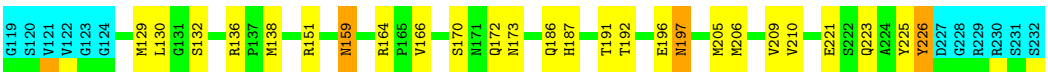
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Major prion protein

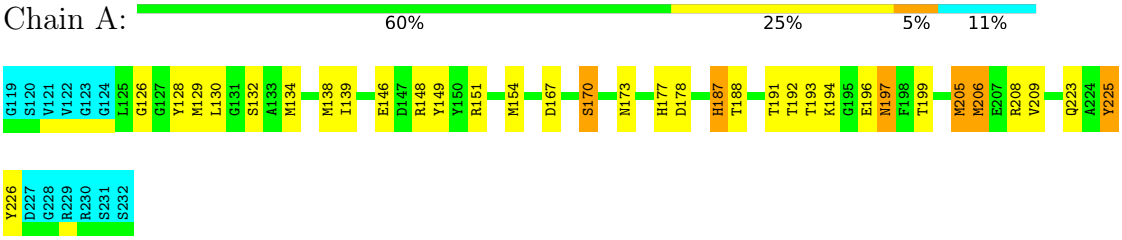
Chain A:



4.2.3 Score per residue for model 3 (medoid)

• Molecule 1: Major prion protein

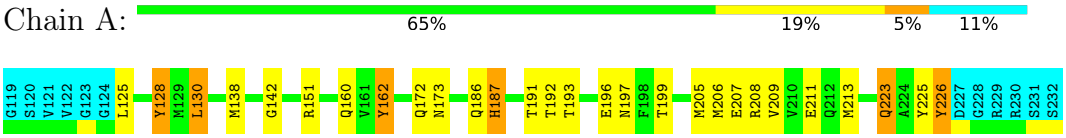
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Major prion protein

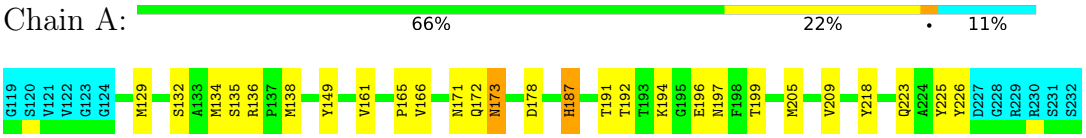
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Major prion protein

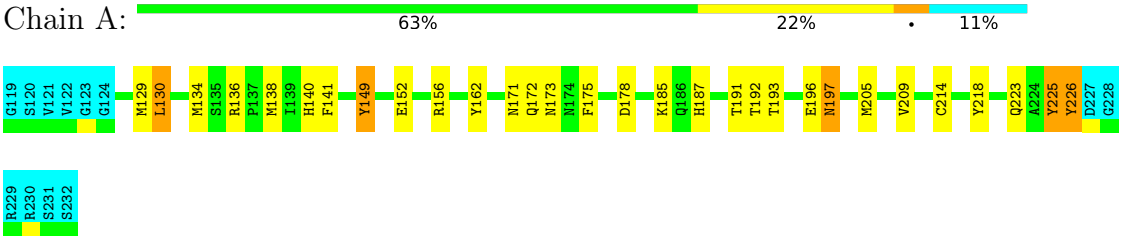
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Major prion protein

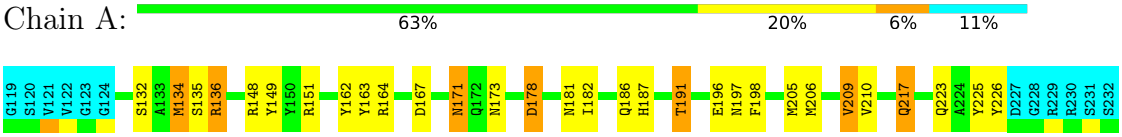
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Major prion protein

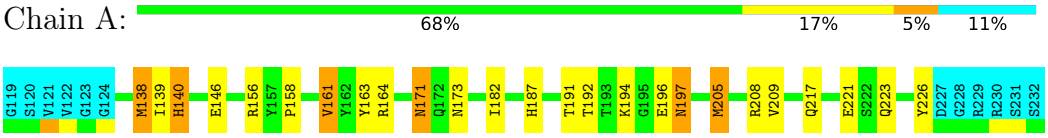
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Major prion protein

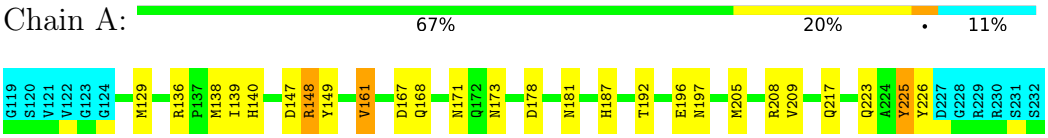
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Major prion protein

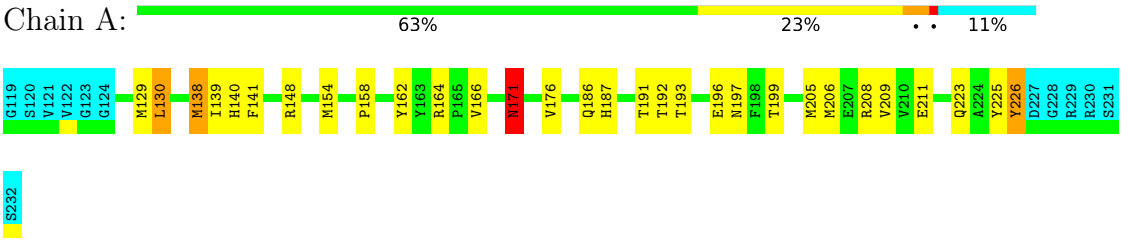
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Major prion protein

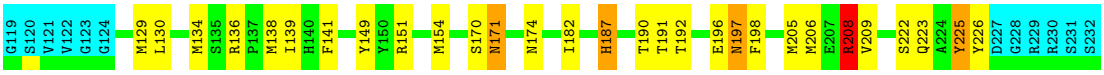
Chain A:



4.2.11 Score per residue for model 11

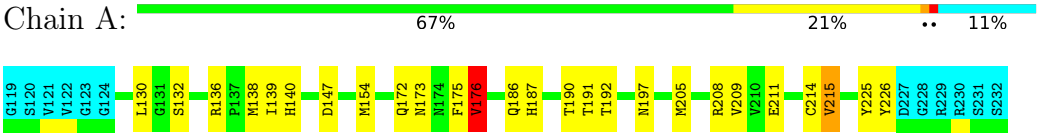
• Molecule 1: Major prion protein

Chain A:



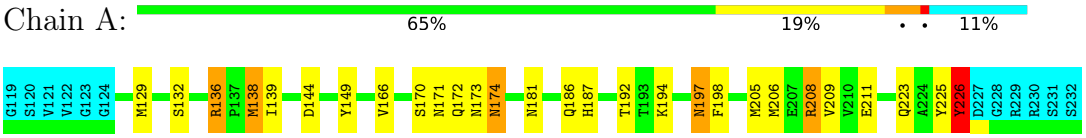
4.2.12 Score per residue for model 12

• Molecule 1: Major prion protein



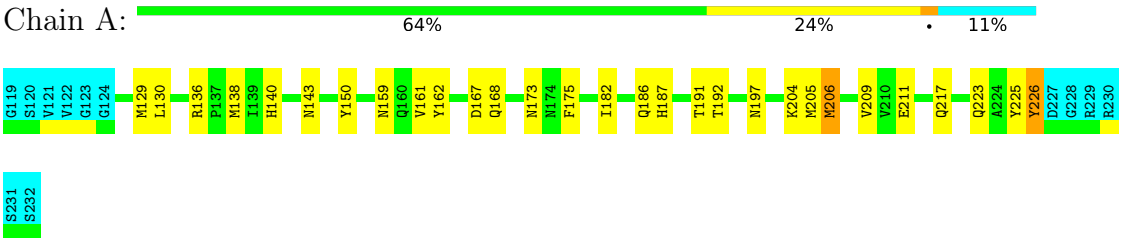
4.2.13 Score per residue for model 13

• Molecule 1: Major prion protein



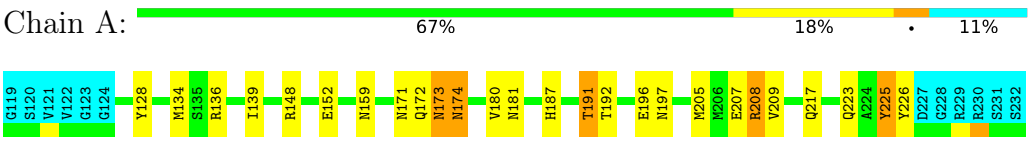
4.2.14 Score per residue for model 14

• Molecule 1: Major prion protein



4.2.15 Score per residue for model 15

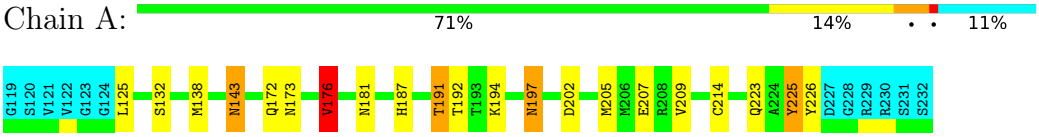
• Molecule 1: Major prion protein



4.2.16 Score per residue for model 16

• Molecule 1: Major prion protein

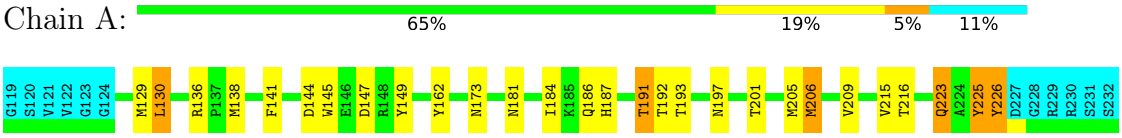
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Major prion protein

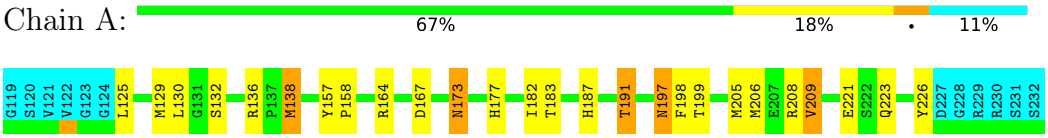
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Major prion protein

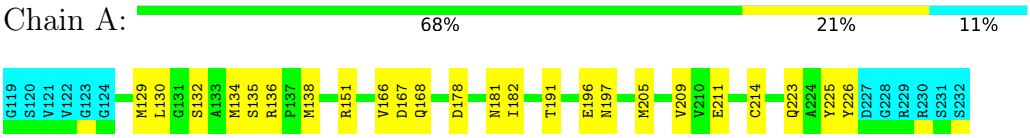
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Major prion protein

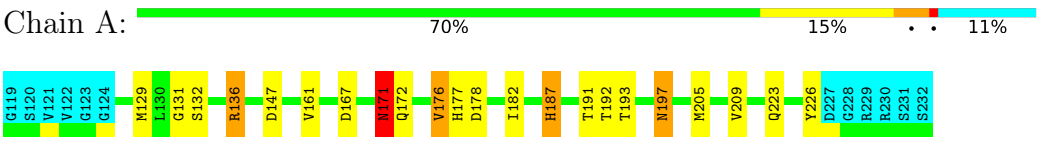
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Major prion protein

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 80 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
DYANA	structure solution	1.0.3
OPALp	refinement	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	1292
Number of shifts mapped to atoms	1292
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	84%

6 Model quality

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.69±0.01	0±0/873 (0.0± 0.0%)	1.49±0.03	5±2/1182 (0.4± 0.2%)
All	All	0.69	0/17460 (0.0%)	1.49	92/23640 (0.4%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	2.3±1.3
All	All	0	46

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	209	VAL	CA-CB-CG2	9.51	126.56	110.40	18	1
1	A	171	ASN	CA-CB-CG	8.86	121.46	112.60	20	5
1	A	178	ASP	CA-CB-CG	7.99	120.58	112.60	7	1
1	A	143	ASN	CA-CB-CG	7.74	120.34	112.60	16	2
1	A	167	ASP	CA-C-N	7.59	136.04	121.54	14	6
1	A	167	ASP	C-N-CA	7.59	136.04	121.54	14	6
1	A	181	ASN	CA-CB-CG	7.55	120.15	112.60	9	7
1	A	225	TYR	CA-C-N	7.36	130.46	120.38	9	5
1	A	225	TYR	C-N-CA	7.36	130.46	120.38	9	5
1	A	140	HIS	CA-C-N	7.09	135.09	121.54	10	2
1	A	140	HIS	C-N-CA	7.09	135.09	121.54	10	2
1	A	136	ARG	CB-CA-C	6.88	117.70	109.85	7	3
1	A	177	HIS	CA-CB-CG	6.76	120.56	113.80	20	1
1	A	165	PRO	CA-C-N	6.64	133.93	121.97	5	1
1	A	165	PRO	C-N-CA	6.64	133.93	121.97	5	1

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	208	ARG	N-CA-C	-6.45	105.43	113.55	18	1
1	A	159	ASN	CA-CB-CG	6.38	118.98	112.60	2	1
1	A	174	ASN	CA-CB-CG	6.26	118.86	112.60	1	1
1	A	173	ASN	CA-CB-CG	-6.21	106.39	112.60	4	4
1	A	167	ASP	CA-CB-CG	6.12	118.72	112.60	19	1
1	A	176	VAL	CA-CB-CG2	5.99	120.58	110.40	12	2
1	A	208	ARG	N-CA-CB	5.98	119.02	110.16	11	1
1	A	140	HIS	CA-CB-CG	-5.96	107.84	113.80	8	1
1	A	198	PHE	CA-C-N	5.88	130.17	120.94	18	1
1	A	198	PHE	C-N-CA	5.88	130.17	120.94	18	1
1	A	187	HIS	CB-CG-CD2	-5.85	123.60	131.20	5	2
1	A	131	GLY	CA-C-N	5.83	129.40	120.82	20	1
1	A	131	GLY	C-N-CA	5.83	129.40	120.82	20	1
1	A	144	ASP	CA-CB-CG	5.72	118.32	112.60	13	1
1	A	147	ASP	CA-CB-CG	-5.70	106.90	112.60	1	1
1	A	226	TYR	CB-CA-C	5.61	121.58	110.42	13	1
1	A	177	HIS	CB-CG-CD2	-5.59	123.94	131.20	18	1
1	A	225	TYR	N-CA-C	-5.51	105.35	112.68	11	2
1	A	209	VAL	CB-CA-C	5.48	118.66	111.81	7	1
1	A	215	VAL	CA-C-N	5.46	127.86	120.44	12	1
1	A	215	VAL	C-N-CA	5.46	127.86	120.44	12	1
1	A	161	VAL	CA-CB-CG1	5.42	119.61	110.40	9	1
1	A	188	THR	N-CA-C	-5.41	105.02	111.03	3	1
1	A	140	HIS	CB-CG-CD2	-5.32	124.28	131.20	14	1
1	A	213	MET	CA-C-N	5.28	128.33	120.31	4	1
1	A	213	MET	C-N-CA	5.28	128.33	120.31	4	1
1	A	156	ARG	CB-CG-CD	5.23	123.32	111.30	6	1
1	A	166	VAL	CB-CA-C	5.20	117.27	111.45	2	2
1	A	175	PHE	CA-C-N	5.13	127.49	120.46	14	2
1	A	175	PHE	C-N-CA	5.13	127.49	120.46	14	2
1	A	161	VAL	CA-C-N	5.07	130.95	122.73	8	1
1	A	161	VAL	C-N-CA	5.07	130.95	122.73	8	1
1	A	180	VAL	CA-C-N	5.07	127.53	120.63	15	1
1	A	180	VAL	C-N-CA	5.07	127.53	120.63	15	1
1	A	175	PHE	N-CA-C	-5.06	105.23	111.40	12	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	136	ARG	Sidechain	5
1	A	164	ARG	Sidechain	4
1	A	226	TYR	Sidechain	4
1	A	218	TYR	Sidechain	3
1	A	128	TYR	Sidechain	3
1	A	148	ARG	Sidechain	3
1	A	140	HIS	Sidechain	3
1	A	151	ARG	Sidechain	2
1	A	162	TYR	Sidechain	2
1	A	186	GLN	Peptide	2
1	A	149	TYR	Sidechain	2
1	A	163	TYR	Sidechain	2
1	A	171	ASN	Peptide	2
1	A	208	ARG	Sidechain	2
1	A	142	GLY	Peptide	1
1	A	156	ARG	Sidechain	1
1	A	190	THR	Peptide	1
1	A	150	TYR	Sidechain	1
1	A	141	PHE	Sidechain	1
1	A	225	TYR	Sidechain	1
1	A	157	TYR	Sidechain	1

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	852	793	793	3±2
All	All	17040	15860	15860	56

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 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:134:MET:HE1	1:A:217:GLN:HG2	0.65	1.69	7	1
1:A:187:HIS:NE2	1:A:206:MET:HE3	0.64	2.08	1	6
1:A:139:ILE:HD13	1:A:208:ARG:HB3	0.61	1.72	13	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:206:MET:HA	1:A:209:VAL:HG22	0.61	1.72	18	1
1:A:172:GLN:O	1:A:176:VAL:HG22	0.58	1.98	16	3
1:A:146:GLU:HB3	1:A:205:MET:HE1	0.57	1.74	8	2
1:A:130:LEU:HD13	1:A:162:TYR:CZ	0.57	2.35	14	1
1:A:125:LEU:HD12	1:A:128:TYR:HB2	0.57	1.75	4	1
1:A:139:ILE:HG21	1:A:208:ARG:NH1	0.56	2.16	11	1
1:A:183:THR:HG22	1:A:187:HIS:CE1	0.53	2.38	18	1
1:A:138:MET:HA	1:A:138:MET:HE3	0.53	1.80	10	3
1:A:145:TRP:CH2	1:A:201:THR:HG23	0.52	2.39	17	1
1:A:208:ARG:HB2	1:A:208:ARG:CZ	0.52	2.35	11	1
1:A:211:GLU:O	1:A:215:VAL:HG13	0.50	2.05	12	1
1:A:130:LEU:HD23	1:A:162:TYR:CD1	0.50	2.42	4	1
1:A:223:GLN:HA	1:A:226:TYR:CD2	0.48	2.44	17	2
1:A:138:MET:HE2	1:A:138:MET:HA	0.47	1.85	8	2
1:A:125:LEU:HA	1:A:128:TYR:CD1	0.47	2.45	4	1
1:A:141:PHE:CZ	1:A:208:ARG:NH1	0.46	2.83	11	1
1:A:141:PHE:CE2	1:A:208:ARG:NH1	0.46	2.84	11	1
1:A:158:PRO:CG	1:A:187:HIS:CE1	0.45	2.99	10	3
1:A:139:ILE:HD13	1:A:208:ARG:HB2	0.45	1.88	9	1
1:A:198:PHE:CD1	1:A:206:MET:HE1	0.44	2.47	11	2
1:A:171:ASN:HD22	1:A:174:ASN:ND2	0.43	2.11	11	1
1:A:171:ASN:ND2	1:A:174:ASN:HD21	0.43	2.11	15	1
1:A:130:LEU:HG	1:A:162:TYR:CE1	0.43	2.49	17	3
1:A:170:SER:HA	1:A:174:ASN:HD21	0.43	1.73	13	1
1:A:130:LEU:HD21	1:A:160:GLN:HB3	0.43	1.91	4	1
1:A:125:LEU:HD12	1:A:128:TYR:CB	0.42	2.44	4	1
1:A:141:PHE:CZ	1:A:208:ARG:CZ	0.42	3.03	11	1
1:A:225:TYR:CD2	1:A:226:TYR:HB3	0.41	2.50	6	1
1:A:138:MET:HA	1:A:138:MET:CE	0.41	2.46	8	1
1:A:198:PHE:CE1	1:A:206:MET:HE2	0.40	2.51	7	1
1:A:177:HIS:CD2	1:A:177:HIS:C	0.40	2.99	3	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	102/114 (89%)	88±2 (87±2%)	11±3 (11±2%)	2±1 (2±1%)	7 45
All	All	2040/2280 (89%)	1766 (87%)	227 (11%)	47 (2%)	7 45

All 9 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	197	ASN	18
1	A	191	THR	8
1	A	186	GLN	6
1	A	168	GLN	4
1	A	170	SER	3
1	A	166	VAL	3
1	A	171	ASN	2
1	A	141	PHE	2
1	A	154	MET	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	94/102 (92%)	75±3 (80±3%)	19±3 (20±3%)	3 33
All	All	1880/2040 (92%)	1506 (80%)	374 (20%)	3 33

All 57 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	205	MET	20
1	A	226	TYR	20
1	A	209	VAL	19
1	A	223	GLN	19
1	A	225	TYR	16
1	A	192	THR	16
1	A	173	ASN	15
1	A	138	MET	15
1	A	129	MET	14

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Mol	Chain	Res	Type	Models (Total)
1	A	187	HIS	14
1	A	191	THR	14
1	A	196	GLU	13
1	A	197	ASN	12
1	A	130	LEU	11
1	A	132	SER	10
1	A	136	ARG	9
1	A	172	GLN	7
1	A	134	MET	7
1	A	149	TYR	7
1	A	178	ASP	7
1	A	182	ILE	7
1	A	199	THR	6
1	A	206	MET	6
1	A	193	THR	6
1	A	171	ASN	6
1	A	194	LYS	5
1	A	211	GLU	5
1	A	161	VAL	5
1	A	217	GLN	5
1	A	151	ARG	4
1	A	214	CYS	4
1	A	147	ASP	4
1	A	176	VAL	4
1	A	174	ASN	3
1	A	159	ASN	3
1	A	221	GLU	3
1	A	148	ARG	3
1	A	154	MET	3
1	A	207	GLU	3
1	A	208	ARG	3
1	A	135	SER	3
1	A	210	VAL	2
1	A	152	GLU	2
1	A	170	SER	1
1	A	185	LYS	1
1	A	164	ARG	1
1	A	222	SER	1
1	A	190	THR	1
1	A	204	LYS	1
1	A	143	ASN	1
1	A	202	ASP	1

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Mol	Chain	Res	Type	Models (Total)
1	A	144	ASP	1
1	A	184	ILE	1
1	A	215	VAL	1
1	A	216	THR	1
1	A	125	LEU	1
1	A	167	ASP	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

There are no oligosaccharides in this entry.

6.6 Ligand geometry (i)

There are no ligands in this entry.

6.7 Other polymers (i)

There are no such molecules in this entry.

6.8 Polymer linkage issues (i)

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 84% for the well-defined parts and 83% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_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	1292
Number of shifts mapped to atoms	1292
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	114	0.09 ± 0.18	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	105	0.66 ± 0.13	Should be checked
$^{13}C'$	0	—	None (insufficient data)
^{15}N	110	-0.03 ± 0.16	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 84%, i.e. 1187 atoms were assigned a chemical shift out of a possible 1414. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	402/509 (79%)	201/206 (98%)	102/204 (50%)	99/99 (100%)
Sidechain	679/752 (90%)	459/482 (95%)	198/232 (85%)	22/38 (58%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	106/153 (69%)	66/73 (90%)	39/76 (51%)	1/4 (25%)
Overall	1187/1414 (84%)	726/761 (95%)	339/512 (66%)	122/141 (87%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 83%, i.e. 1291 atoms were assigned a chemical shift out of a possible 1547. 0 out of 13 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	452/573 (79%)	228/234 (97%)	114/228 (50%)	110/111 (99%)
Sidechain	733/821 (89%)	495/526 (94%)	214/251 (85%)	24/44 (55%)
Aromatic	106/153 (69%)	66/73 (90%)	39/76 (51%)	1/4 (25%)
Overall	1291/1547 (83%)	789/833 (95%)	367/555 (66%)	135/159 (85%)

7.1.4 Statistically unusual chemical shifts (i)

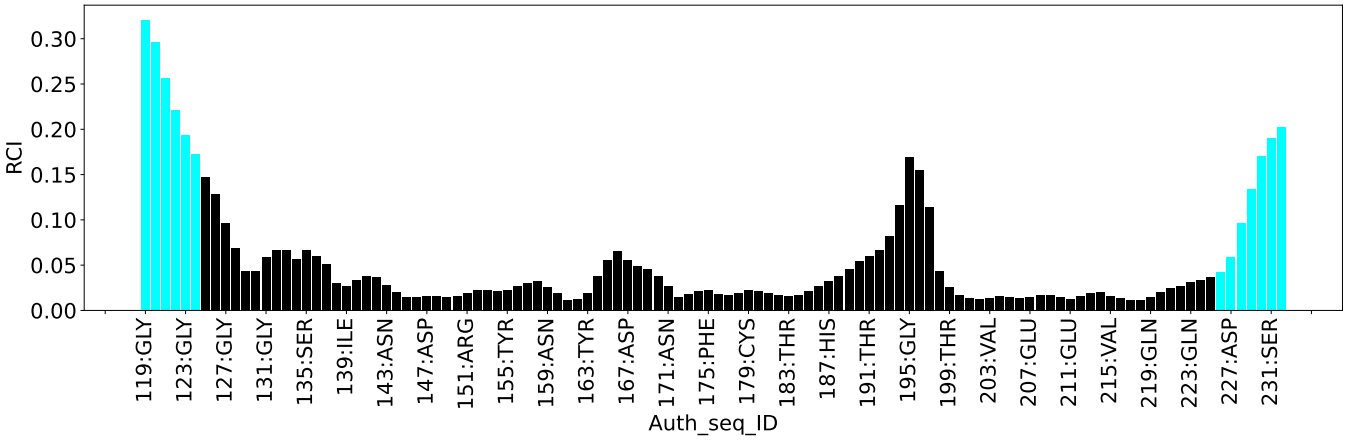
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	183	THR	HG1	6.38	0.08 – 2.19	24.8

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.30
0.25
0.20
0.15
0.10
0.05
0.00
119:GLY
123:GLY
127:GLY
131:GLY
135:SER
139:ILE
143:ASN
147:ASP
151:ARG
155:TYR
159:ASN
163:TYR
167:ASP
171:ASN
175:PHE
179:CYS
183:THR
187:HIS
191:THR
195:GLY
199:THR
203:VAL
207:GLU
211:GLU
215:VAL
219:GLN
223:GLN
227:ASP
231:SER
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	5492
Intra-residue (|i-j|=0)	1182
Sequential (|i-j|=1)	1458
Medium range (|i-j|>1 and |i-j|<5)	1522
Long range (|i-j|≥5)	1330
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	48.2
Number of long range restraints per residue[1]	11.7

[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)	63.5	0.2
0.2-0.5 (Medium)	92.4	0.5
>0.5 (Large)	214.9	2.73

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

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

9 Distance violation analysis (i)

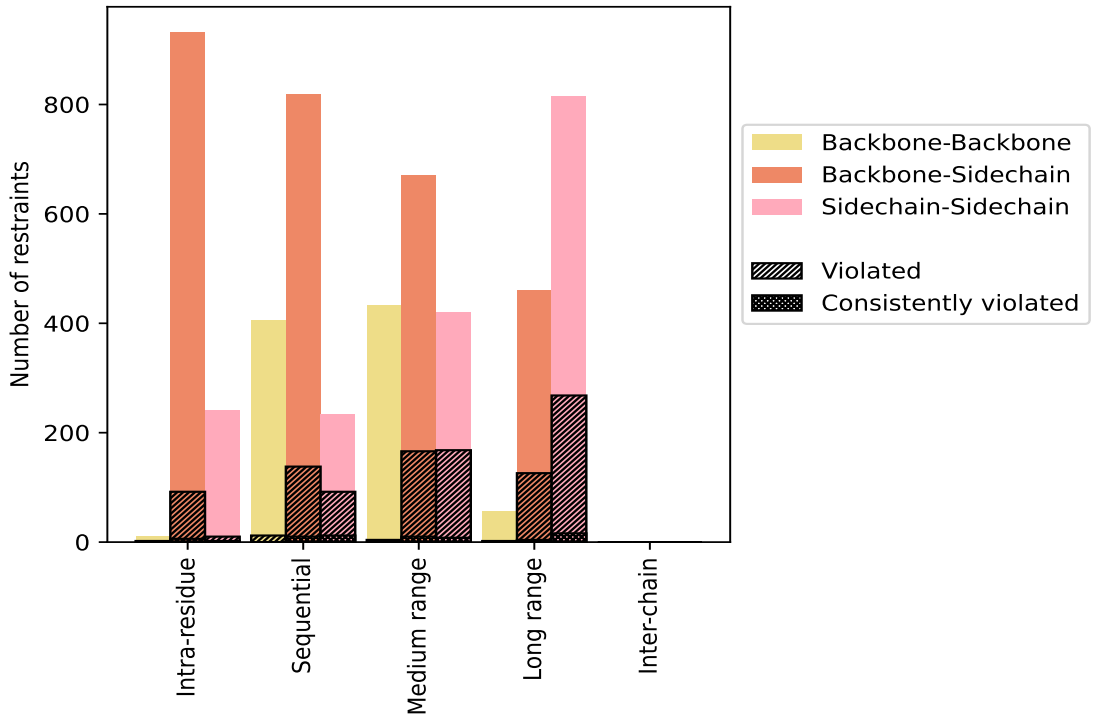
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1182	21.5	104	8.8	1.9	8	0.7	0.1
Backbone-Backbone	10	0.2	2	20.0	0.0	0	0.0	0.0
Backbone-Sidechain	932	17.0	92	9.9	1.7	6	0.6	0.1
Sidechain-Sidechain	240	4.4	10	4.2	0.2	2	0.8	0.0
Sequential (|i-j|=1)	1458	26.5	242	16.6	4.4	22	1.5	0.4
Backbone-Backbone	406	7.4	12	3.0	0.2	0	0.0	0.0
Backbone-Sidechain	818	14.9	138	16.9	2.5	10	1.2	0.2
Sidechain-Sidechain	234	4.3	92	39.3	1.7	12	5.1	0.2
Medium range (|i-j|>1 & |i-j|<5)	1522	27.7	338	22.2	6.2	18	1.2	0.3
Backbone-Backbone	432	7.9	4	0.9	0.1	0	0.0	0.0
Backbone-Sidechain	670	12.2	166	24.8	3.0	10	1.5	0.2
Sidechain-Sidechain	420	7.6	168	40.0	3.1	8	1.9	0.1
Long range (|i-j|≥5)	1330	24.2	396	29.8	7.2	20	1.5	0.4
Backbone-Backbone	56	1.0	2	3.6	0.0	0	0.0	0.0
Backbone-Sidechain	460	8.4	126	27.4	2.3	4	0.9	0.1
Sidechain-Sidechain	814	14.8	268	32.9	4.9	16	2.0	0.3
Inter-chain	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	5492	100.0	1080	19.7	19.7	68	1.2	1.2
Backbone-Backbone	904	16.5	20	2.2	0.4	0	0.0	0.0
Backbone-Sidechain	2880	52.4	522	18.1	9.5	30	1.0	0.5
Sidechain-Sidechain	1708	31.1	538	31.5	9.8	38	2.2	0.7

[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	32	100	114	130	0	376	0.7	2.71	0.56	0.6
2	34	114	122	166	0	436	0.7	2.71	0.54	0.62
3	40	122	116	124	0	402	0.77	2.68	0.57	0.62
4	32	100	126	122	0	380	0.69	2.7	0.55	0.56
5	26	92	124	150	0	392	0.76	2.65	0.53	0.64
6	26	96	112	140	0	374	0.73	2.73	0.55	0.58
7	34	82	134	146	0	396	0.67	2.56	0.54	0.54
8	26	96	118	126	0	366	0.74	2.68	0.58	0.58
9	34	114	140	158	0	446	0.72	2.61	0.54	0.6
10	38	116	116	146	0	416	0.68	2.69	0.55	0.55

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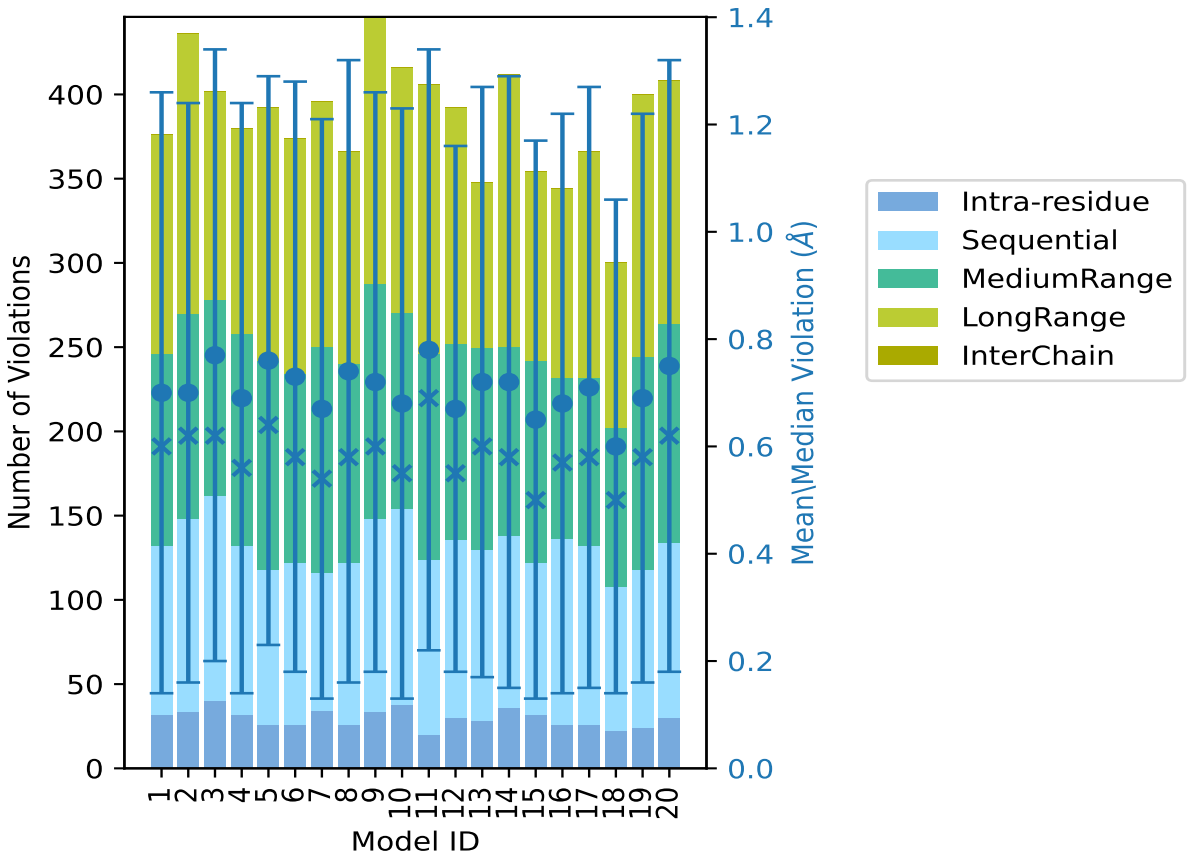
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	20	104	122	160	0	406	0.78	2.72	0.56	0.69
12	30	106	116	140	0	392	0.67	2.56	0.49	0.55
13	28	102	120	98	0	348	0.72	2.59	0.55	0.6
14	36	102	112	162	0	412	0.72	2.69	0.57	0.58
15	32	90	120	112	0	354	0.65	2.58	0.52	0.5
16	26	110	96	112	0	344	0.68	2.54	0.54	0.57
17	26	106	100	134	0	366	0.71	2.73	0.56	0.58
18	22	86	94	98	0	300	0.6	1.89	0.46	0.5
19	24	94	126	156	0	400	0.69	2.4	0.53	0.58
20	30	104	130	144	0	408	0.75	2.7	0.57	0.62

[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

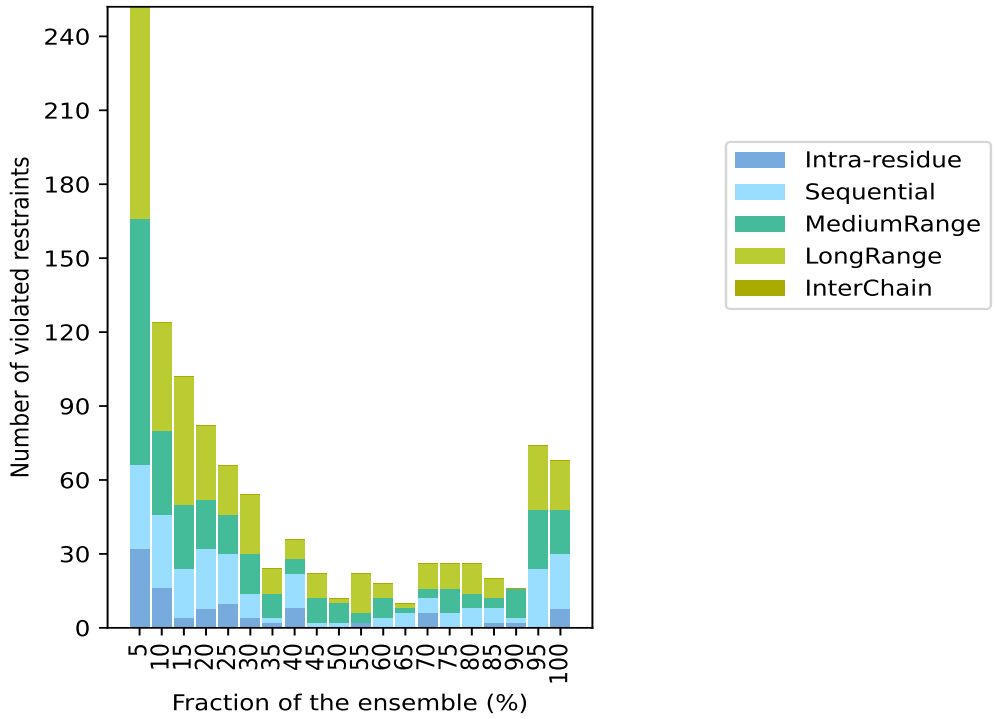
9.3 Distance violation statistics for the ensemble (i)

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, 4412(IR:1078, SQ:1216, MR:1184, LR:934, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
32	34	100	86	0	252	1	5.0
16	30	34	44	0	124	2	10.0
4	20	26	52	0	102	3	15.0
8	24	20	30	0	82	4	20.0
10	20	16	20	0	66	5	25.0
4	10	16	24	0	54	6	30.0
2	2	10	10	0	24	7	35.0
8	14	6	8	0	36	8	40.0
0	2	10	10	0	22	9	45.0
0	2	8	2	0	12	10	50.0
2	0	4	16	0	22	11	55.0
0	4	8	6	0	18	12	60.0
0	6	2	2	0	10	13	65.0
6	6	4	10	0	26	14	70.0
0	6	10	10	0	26	15	75.0
0	8	6	12	0	26	16	80.0
2	6	4	8	0	20	17	85.0
2	2	12	0	0	16	18	90.0
0	24	24	26	0	74	19	95.0
8	22	18	20	0	68	20	100.0

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

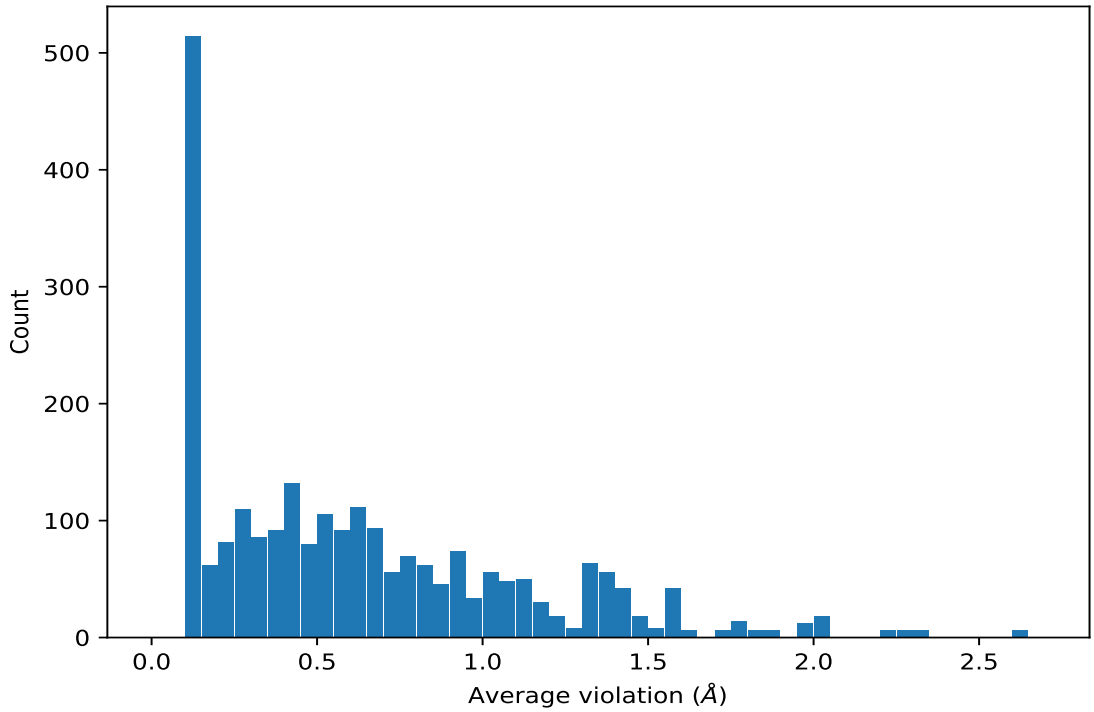
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	20	2.27	0.47	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	20	2.27	0.47	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	20	2.27	0.47	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	20	2.27	0.47	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	20	2.27	0.47	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	20	2.27	0.47	2.33
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	2.21	0.26	2.2
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	2.21	0.26	2.2
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	2.21	0.26	2.2
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	2.21	0.26	2.2
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	2.21	0.26	2.2
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	2.21	0.26	2.2
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.79	0.19	1.81
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.79	0.19	1.81
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.79	0.19	1.81
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.79	0.19	1.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.79	0.19	1.81
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.79	0.19	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.79	0.19	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.79	0.19	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.79	0.19	1.81
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.79	0.19	1.81
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.79	0.19	1.81
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.79	0.19	1.81
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	20	1.75	0.07	1.78
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	20	1.75	0.07	1.78
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	20	1.56	0.39	1.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	20	1.56	0.39	1.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	20	1.56	0.39	1.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	20	1.56	0.39	1.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	20	1.56	0.39	1.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	20	1.56	0.39	1.65
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	20	1.48	0.16	1.52
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	20	1.48	0.16	1.52
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	1.42	0.22	1.48
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	1.42	0.22	1.48
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	1.42	0.22	1.48
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	1.42	0.22	1.48
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	1.42	0.22	1.48
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	1.42	0.22	1.48
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.37	0.26	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.37	0.26	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.37	0.26	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.37	0.26	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.37	0.26	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.37	0.26	1.41
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	20	1.34	0.29	1.43
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	20	1.34	0.29	1.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	20	1.34	0.29	1.43
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	20	1.34	0.29	1.43
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.33	0.19	1.33
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.33	0.19	1.33
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.33	0.19	1.33
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.33	0.19	1.33
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.33	0.19	1.33
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.33	0.19	1.33
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	20	1.33	0.47	1.28
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	20	1.33	0.47	1.28
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	20	1.16	0.29	1.06
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	20	1.16	0.29	1.06
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD1	20	1.14	0.17	1.18
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	20	1.14	0.17	1.18
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	20	1.14	0.17	1.18
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	20	1.14	0.17	1.18
(1,560)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	20	1.14	0.17	1.18
(1,560)	1:224:A:ALA:HB2	1:225:A:TYR:HD1	20	1.14	0.17	1.18
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD1	20	1.14	0.17	1.18
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	20	1.14	0.17	1.18
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	20	1.14	0.17	1.18
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	20	1.14	0.17	1.18
(1,3306)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	20	1.14	0.17	1.18
(1,3306)	1:224:A:ALA:HB2	1:225:A:TYR:HD1	20	1.14	0.17	1.18
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	20	1.11	0.14	1.13
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	20	1.11	0.14	1.13
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	1.06	0.26	1.07
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	1.06	0.26	1.07
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	1.06	0.26	1.07
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	1.06	0.26	1.07
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	1.06	0.26	1.07
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	1.06	0.26	1.07
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	1.06	0.26	1.07
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	1.06	0.26	1.07
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	1.06	0.26	1.07
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	1.06	0.26	1.07
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	1.06	0.26	1.07
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	1.06	0.26	1.07

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	1.03	0.13	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	1.03	0.13	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	1.03	0.13	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	1.03	0.13	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	1.03	0.13	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	1.03	0.13	1.03
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	20	1.02	0.09	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	20	1.02	0.09	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	20	1.02	0.09	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	20	1.02	0.09	1.01
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	20	0.98	0.45	1.21
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	20	0.98	0.45	1.21
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	20	0.98	0.45	1.21
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	20	0.98	0.45	1.21
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	20	0.98	0.45	1.21
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	20	0.98	0.45	1.21
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	20	0.98	0.25	0.96
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	20	0.98	0.25	0.96
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	20	0.98	0.25	0.96
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	20	0.98	0.25	0.96
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	20	0.98	0.25	0.96
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	20	0.98	0.25	0.96
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	20	0.98	0.25	0.96
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	20	0.98	0.25	0.96
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	20	0.98	0.25	0.96
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	20	0.98	0.25	0.96
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	20	0.98	0.25	0.96
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	20	0.98	0.25	0.96
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	20	0.97	0.32	0.98
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	20	0.97	0.32	0.98
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	20	0.97	0.32	0.98
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	20	0.97	0.32	0.98
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	20	0.81	0.19	0.8
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	20	0.81	0.19	0.8
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	20	0.81	0.19	0.8
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	20	0.81	0.19	0.8
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	20	0.81	0.19	0.8
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	20	0.81	0.19	0.8
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	20	0.72	0.25	0.7
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	20	0.72	0.25	0.7
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	20	0.72	0.25	0.7
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	20	0.72	0.25	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	20	0.72	0.25	0.7
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	20	0.72	0.25	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.71	0.03	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.71	0.03	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.71	0.03	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.71	0.03	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.71	0.03	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.71	0.03	0.72
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	20	0.7	0.19	0.72
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	20	0.7	0.19	0.72
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	20	0.7	0.19	0.72
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	20	0.7	0.19	0.72
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	20	0.7	0.19	0.72
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	20	0.7	0.19	0.72
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	20	0.7	0.21	0.61
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	20	0.7	0.21	0.61
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	20	0.69	0.15	0.68
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	20	0.69	0.15	0.68
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	20	0.69	0.15	0.68
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	20	0.69	0.15	0.68
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	20	0.65	0.18	0.68
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	20	0.65	0.18	0.68
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	20	0.59	0.29	0.5
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	20	0.59	0.29	0.5
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	20	0.59	0.29	0.5
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	20	0.59	0.29	0.5
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	20	0.57	0.08	0.57
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	20	0.57	0.08	0.57
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	20	0.57	0.08	0.57
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	20	0.57	0.08	0.57
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	20	0.57	0.08	0.57
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	20	0.57	0.08	0.57
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.46	0.05	0.47
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.46	0.05	0.47
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	20	0.32	0.06	0.33
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	20	0.32	0.06	0.33
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.25	0.05	0.25
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.25	0.05	0.25
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.21	0.06	0.21
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.21	0.06	0.21
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	20	0.12	0.01	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	20	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	20	0.12	0.01	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	20	0.12	0.01	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	20	0.12	0.01	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	20	0.12	0.01	0.12
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	19	2.61	0.11	2.67
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	19	2.61	0.11	2.67
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	19	2.61	0.11	2.67
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	19	2.61	0.11	2.67
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	19	2.61	0.11	2.67
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	19	2.61	0.11	2.67
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	19	2.31	0.1	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	19	2.31	0.1	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	19	2.31	0.1	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	19	2.31	0.1	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	19	2.31	0.1	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	19	2.31	0.1	2.3
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	19	2.03	0.18	2.12
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	19	2.03	0.18	2.12
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	19	2.03	0.18	2.12
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	19	1.74	0.51	1.88
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	19	1.74	0.51	1.88
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	19	1.74	0.51	1.88
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	19	1.74	0.51	1.88
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	19	1.74	0.51	1.88
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	19	1.74	0.51	1.88
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	19	1.65	0.59	1.96
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	19	1.65	0.59	1.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	19	1.65	0.59	1.96
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	19	1.65	0.59	1.96
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	19	1.65	0.59	1.96
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	19	1.65	0.59	1.96
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	19	1.59	0.24	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	19	1.59	0.24	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	19	1.59	0.24	1.66
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	19	1.53	0.26	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	19	1.53	0.26	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	19	1.53	0.26	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	19	1.53	0.26	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	19	1.53	0.26	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	19	1.53	0.26	1.52
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.43	0.17	1.41
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.43	0.17	1.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.43	0.17	1.41
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.43	0.17	1.41
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	19	1.34	0.1	1.35
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	19	1.34	0.1	1.35
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	19	1.34	0.1	1.35
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	19	1.34	0.1	1.35
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	19	1.34	0.1	1.35
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	19	1.34	0.1	1.35
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	19	1.29	0.29	1.34
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	19	1.29	0.29	1.34
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	19	1.29	0.29	1.34
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	19	1.29	0.29	1.34
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	19	1.29	0.29	1.34
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	19	1.29	0.29	1.34
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	19	1.28	0.42	1.48
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	19	1.28	0.42	1.48
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	19	1.22	0.28	1.28
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	19	1.22	0.28	1.28
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	19	1.22	0.28	1.28
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	19	1.22	0.28	1.28
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	19	1.22	0.28	1.28
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	19	1.22	0.28	1.28
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	1.13	0.31	1.08
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	1.13	0.31	1.08
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	1.13	0.31	1.08
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	1.13	0.31	1.08
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	1.13	0.31	1.08
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	1.13	0.31	1.08
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	19	1.05	0.11	1.06
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	19	1.05	0.11	1.06
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	19	1.05	0.11	1.06
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	19	1.05	0.11	1.06
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	19	1.05	0.11	1.06
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	19	1.05	0.11	1.06
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	19	1.05	0.11	1.06
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	19	1.05	0.11	1.06
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	19	1.05	0.11	1.06
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	19	1.05	0.11	1.06
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	19	1.05	0.11	1.06
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	19	1.05	0.11	1.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	19	1.0	0.41	1.0
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	19	1.0	0.41	1.0
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	19	1.0	0.41	1.0
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	19	1.0	0.41	1.0
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	19	1.0	0.41	1.0
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	19	1.0	0.41	1.0
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	19	0.95	0.32	0.99
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	19	0.95	0.32	0.99
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	19	0.95	0.32	0.99
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	19	0.93	0.59	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	19	0.93	0.59	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	19	0.93	0.59	0.59

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	19	0.92	0.2	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	19	0.92	0.2	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	19	0.92	0.2	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	19	0.92	0.2	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	19	0.92	0.2	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	19	0.92	0.2	1.03
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	19	0.88	0.08	0.85
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	19	0.88	0.08	0.85
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	19	0.88	0.43	1.08
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	19	0.88	0.43	1.08
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	19	0.81	0.24	0.85
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	19	0.81	0.24	0.85
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	19	0.81	0.24	0.85
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	19	0.81	0.24	0.85
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	19	0.81	0.24	0.85
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	19	0.81	0.24	0.85
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	19	0.81	0.24	0.85
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	19	0.81	0.24	0.85
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	19	0.81	0.24	0.85
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	19	0.81	0.24	0.85
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	19	0.81	0.24	0.85
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	19	0.81	0.24	0.85
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	19	0.78	0.11	0.79
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	19	0.78	0.11	0.79
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	19	0.78	0.11	0.79
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	19	0.78	0.11	0.79
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	19	0.78	0.11	0.79
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	19	0.78	0.11	0.79
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	19	0.78	0.22	0.81
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	19	0.78	0.22	0.81
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	19	0.78	0.22	0.81
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	19	0.78	0.22	0.81
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	19	0.78	0.22	0.81
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	19	0.78	0.22	0.81
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	19	0.77	0.23	0.72
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	19	0.77	0.23	0.72
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	19	0.77	0.23	0.72
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	19	0.77	0.23	0.72
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	19	0.77	0.23	0.72
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	19	0.77	0.23	0.72
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	19	0.77	0.06	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	19	0.77	0.06	0.81

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	19	0.77	0.06	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	19	0.77	0.06	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	19	0.77	0.06	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	19	0.77	0.06	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	19	0.77	0.06	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	19	0.77	0.06	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	19	0.77	0.06	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	19	0.77	0.06	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	19	0.77	0.06	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	19	0.77	0.06	0.81
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	19	0.72	0.26	0.72
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	19	0.72	0.26	0.72
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	19	0.72	0.17	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	19	0.72	0.17	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	19	0.72	0.17	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	19	0.72	0.17	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	19	0.72	0.17	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	19	0.72	0.17	0.76
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	19	0.72	0.04	0.71
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	19	0.72	0.04	0.71
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	19	0.72	0.04	0.71
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	19	0.72	0.04	0.71
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	19	0.72	0.04	0.71
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	19	0.72	0.04	0.71
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	19	0.68	0.23	0.66
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	19	0.68	0.23	0.66
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	19	0.68	0.23	0.66
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	19	0.68	0.23	0.66
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	19	0.68	0.23	0.66
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	19	0.68	0.23	0.66
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	19	0.67	0.08	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	19	0.67	0.08	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	19	0.67	0.08	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	19	0.67	0.08	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	19	0.67	0.08	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	19	0.67	0.08	0.7
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	19	0.52	0.24	0.52
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	19	0.52	0.24	0.52
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	19	0.52	0.24	0.52
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	19	0.52	0.24	0.52
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	19	0.52	0.24	0.52
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	19	0.52	0.24	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	19	0.5	0.15	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	19	0.5	0.15	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	19	0.5	0.15	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	19	0.5	0.15	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	19	0.5	0.15	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	19	0.5	0.15	0.48
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	19	0.46	0.08	0.47
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	19	0.46	0.08	0.47
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	19	0.45	0.15	0.45
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	19	0.45	0.15	0.45
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	19	0.45	0.15	0.45
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	19	0.45	0.15	0.45
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	19	0.45	0.15	0.45
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	19	0.45	0.15	0.45
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	19	0.43	0.11	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	19	0.43	0.11	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	19	0.43	0.11	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	19	0.43	0.11	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	19	0.43	0.11	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	19	0.43	0.11	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	19	0.42	0.13	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	19	0.42	0.13	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	19	0.42	0.13	0.41
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	19	0.36	0.11	0.37
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	19	0.36	0.11	0.37
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	19	0.36	0.11	0.37
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	19	0.36	0.11	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	19	0.36	0.11	0.37
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	19	0.36	0.11	0.37
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	18	1.49	0.48	1.58
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	18	1.49	0.48	1.58
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	18	1.49	0.48	1.58
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	18	1.49	0.48	1.58
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	18	1.49	0.48	1.58
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	18	1.49	0.48	1.58
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	18	1.32	0.51	1.48
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	18	1.32	0.51	1.48
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	18	1.32	0.51	1.48
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	18	1.32	0.51	1.48
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	18	1.32	0.51	1.48
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	18	1.32	0.51	1.48
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	18	1.03	0.24	1.01
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	18	1.03	0.24	1.01
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	18	1.03	0.24	1.01
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	18	1.03	0.24	1.01
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	18	1.03	0.24	1.01
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	18	1.03	0.24	1.01
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	18	1.01	0.33	1.01
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	18	1.01	0.33	1.01
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	18	1.01	0.33	1.01
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	18	1.01	0.33	1.01
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	18	1.01	0.33	1.01
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	18	1.01	0.33	1.01
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	18	0.65	0.17	0.66
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	18	0.65	0.17	0.66
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	18	0.65	0.17	0.66
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	18	0.65	0.17	0.66
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	18	0.65	0.17	0.66
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	18	0.65	0.17	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	18	0.64	0.03	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	18	0.64	0.03	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	18	0.64	0.03	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	18	0.64	0.03	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	18	0.64	0.03	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	18	0.64	0.03	0.64
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	18	0.58	0.22	0.61
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	18	0.58	0.22	0.61
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	18	0.58	0.22	0.61
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	18	0.58	0.22	0.61

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	18	0.58	0.22	0.61
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	18	0.58	0.22	0.61
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	18	0.37	0.13	0.36
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	18	0.37	0.13	0.36
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	17	0.86	0.4	0.74
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	17	0.86	0.4	0.74
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	17	0.81	0.41	0.89
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	17	0.81	0.41	0.89
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	17	0.64	0.23	0.58
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	17	0.64	0.23	0.58
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	17	0.52	0.32	0.36
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	17	0.52	0.32	0.36
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	17	0.52	0.32	0.36
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	17	0.52	0.32	0.36
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	17	0.5	0.2	0.49
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	17	0.5	0.2	0.49
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	17	0.5	0.2	0.49
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	17	0.5	0.2	0.49
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	17	0.5	0.17	0.51
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	17	0.5	0.17	0.51
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	17	0.45	0.08	0.46
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	17	0.45	0.08	0.46
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	17	0.44	0.13	0.47
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	17	0.44	0.13	0.47
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	17	0.38	0.21	0.35
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	17	0.38	0.21	0.35
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	17	0.12	0.01	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	17	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	17	0.12	0.01	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	17	0.12	0.01	0.12
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	16	1.54	0.51	1.76
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	16	1.54	0.51	1.76
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	16	1.21	0.25	1.31
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	16	1.21	0.25	1.31
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	16	1.21	0.25	1.31
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	16	1.21	0.25	1.31
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	16	1.21	0.25	1.31
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	16	1.21	0.25	1.31
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	16	0.92	0.2	0.96
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	16	0.92	0.2	0.96
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	16	0.89	0.28	0.98
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	16	0.89	0.28	0.98
(1,165)	1:166:A:VAL:HG23	1:225:A:TYR:HD1	16	0.74	0.4	0.6
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	16	0.74	0.4	0.6
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD1	16	0.74	0.4	0.6
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	16	0.74	0.4	0.6
(1,165)	1:166:A:VAL:HG23	1:225:A:TYR:HD2	16	0.74	0.4	0.6
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD1	16	0.74	0.4	0.6
(1,2911)	1:166:A:VAL:HG23	1:225:A:TYR:HD1	16	0.74	0.4	0.6
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	16	0.74	0.4	0.6
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD1	16	0.74	0.4	0.6
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	16	0.74	0.4	0.6
(1,2911)	1:166:A:VAL:HG23	1:225:A:TYR:HD2	16	0.74	0.4	0.6
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD1	16	0.74	0.4	0.6
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	16	0.66	0.1	0.66
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	16	0.66	0.1	0.66
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	16	0.65	0.27	0.68
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	16	0.65	0.27	0.68
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	16	0.64	0.24	0.6
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	16	0.64	0.24	0.6
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	16	0.54	0.3	0.6
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	16	0.54	0.3	0.6
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	16	0.54	0.3	0.6
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	16	0.54	0.3	0.6
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	16	0.46	0.18	0.5
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	16	0.46	0.18	0.5
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	16	0.46	0.18	0.5
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	16	0.46	0.18	0.5
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	16	0.46	0.18	0.5
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	16	0.46	0.18	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	16	0.36	0.15	0.46
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	16	0.36	0.15	0.46
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	16	0.36	0.11	0.38
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	16	0.36	0.11	0.38
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	16	0.36	0.11	0.38
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	16	0.36	0.11	0.38
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	16	0.36	0.11	0.38
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	16	0.36	0.11	0.38
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	16	0.24	0.11	0.2
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	16	0.24	0.11	0.2
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	15	1.35	0.76	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	15	1.35	0.76	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	15	1.35	0.76	1.77
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	15	1.35	0.35	1.46
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	15	1.35	0.35	1.46
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	15	1.35	0.35	1.46
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	15	1.35	0.35	1.46
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	15	1.35	0.35	1.46
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	15	1.35	0.35	1.46
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	15	1.35	0.35	1.46
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	15	1.35	0.35	1.46
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	15	1.35	0.35	1.46
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	15	1.35	0.35	1.46
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	15	1.35	0.35	1.46
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	15	1.35	0.35	1.46
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	15	0.96	0.26	0.91
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	15	0.96	0.26	0.91

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	15	0.96	0.26	0.91
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	15	0.96	0.26	0.91
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	15	0.96	0.26	0.91
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	15	0.96	0.26	0.91
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	15	0.94	0.13	0.98
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	15	0.94	0.13	0.98
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	15	0.94	0.13	0.98
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	15	0.94	0.13	0.98
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	15	0.76	0.23	0.77
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	15	0.76	0.23	0.77
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	15	0.6	0.29	0.59
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	15	0.6	0.29	0.59
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	15	0.6	0.29	0.59
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	15	0.6	0.29	0.59
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	15	0.6	0.29	0.59
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	15	0.6	0.29	0.59
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	15	0.6	0.15	0.58
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	15	0.6	0.15	0.58
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	15	0.36	0.13	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	15	0.36	0.13	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	15	0.36	0.13	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	15	0.36	0.13	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	15	0.36	0.13	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	15	0.36	0.13	0.34
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	15	0.35	0.12	0.41
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	15	0.35	0.12	0.41
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	15	0.34	0.12	0.33
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	15	0.34	0.12	0.33
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	15	0.34	0.13	0.34
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	15	0.34	0.13	0.34
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	15	0.34	0.13	0.34
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	15	0.34	0.13	0.34
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	15	0.34	0.13	0.34
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	15	0.34	0.13	0.34
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	15	0.34	0.13	0.34
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	15	0.34	0.13	0.34
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	15	0.34	0.13	0.34
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	15	0.34	0.13	0.34
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	15	0.34	0.13	0.34
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	15	0.34	0.13	0.34
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	15	0.28	0.1	0.27
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	15	0.28	0.1	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	15	0.23	0.04	0.25
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	15	0.23	0.04	0.25
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	14	0.92	0.46	0.84
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	14	0.92	0.46	0.84
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	14	0.92	0.46	0.84
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	14	0.92	0.46	0.84
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	14	0.92	0.46	0.84
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	14	0.92	0.46	0.84
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	14	0.88	0.12	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	14	0.88	0.12	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	14	0.88	0.12	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	14	0.88	0.12	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	14	0.88	0.12	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	14	0.88	0.12	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	14	0.88	0.12	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	14	0.88	0.12	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	14	0.88	0.12	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	14	0.88	0.12	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	14	0.88	0.12	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	14	0.88	0.12	0.94
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	14	0.81	0.33	0.81
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	14	0.81	0.33	0.81
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	14	0.59	0.33	0.55
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	14	0.59	0.33	0.55
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	14	0.59	0.33	0.55
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	14	0.59	0.33	0.55
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	14	0.59	0.33	0.55
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	14	0.59	0.33	0.55
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	14	0.56	0.26	0.61
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	14	0.56	0.26	0.61
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	14	0.56	0.11	0.55
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	14	0.56	0.11	0.55
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	14	0.34	0.16	0.36
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	14	0.34	0.16	0.36
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	14	0.29	0.06	0.28
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	14	0.29	0.06	0.28
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	14	0.29	0.06	0.28
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	14	0.29	0.06	0.28
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	14	0.29	0.06	0.28
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	14	0.29	0.06	0.28
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	14	0.26	0.11	0.22
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	14	0.26	0.11	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	14	0.26	0.11	0.22
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	14	0.26	0.11	0.22
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	14	0.26	0.11	0.22
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	14	0.26	0.11	0.22
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	14	0.25	0.06	0.26
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	14	0.25	0.06	0.26
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	14	0.2	0.04	0.19
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	14	0.2	0.04	0.19
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	14	0.18	0.03	0.18
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	14	0.18	0.03	0.18
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	14	0.18	0.03	0.18
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	14	0.18	0.03	0.18
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	14	0.18	0.03	0.18
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	14	0.18	0.03	0.18
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	14	0.11	0.01	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	14	0.11	0.01	0.11
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	13	0.76	0.29	0.72
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	13	0.76	0.29	0.72
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	13	0.59	0.16	0.62
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	13	0.59	0.16	0.62
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	13	0.59	0.16	0.62
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	13	0.59	0.16	0.62
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	13	0.42	0.2	0.46
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	13	0.42	0.2	0.46
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	13	0.42	0.2	0.46
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	13	0.42	0.2	0.46
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	13	0.42	0.2	0.46
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	13	0.42	0.2	0.46
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	13	0.42	0.2	0.46
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	13	0.42	0.2	0.46
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	13	0.42	0.2	0.46
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	13	0.42	0.2	0.46
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	13	0.42	0.2	0.46
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	13	0.42	0.2	0.46
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	13	0.39	0.15	0.37
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	13	0.39	0.15	0.37
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	13	0.28	0.14	0.24
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	13	0.28	0.14	0.24
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	12	0.6	0.32	0.65
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	12	0.6	0.32	0.65
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	12	0.52	0.21	0.5
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	12	0.52	0.21	0.5

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	12	0.52	0.21	0.5
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	12	0.52	0.21	0.5
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	12	0.52	0.21	0.5
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	12	0.52	0.21	0.5
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	12	0.52	0.21	0.5
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	12	0.52	0.21	0.5
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	12	0.52	0.21	0.5
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	12	0.52	0.21	0.5
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	12	0.52	0.21	0.5
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	12	0.52	0.21	0.5
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	12	0.38	0.17	0.37
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	12	0.38	0.17	0.37
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	12	0.31	0.18	0.27
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	12	0.31	0.18	0.27
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	12	0.31	0.18	0.27
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	12	0.31	0.18	0.27
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	12	0.31	0.18	0.27
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	12	0.31	0.18	0.27
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	12	0.28	0.06	0.3
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	12	0.28	0.06	0.3
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	12	0.28	0.06	0.3
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	12	0.28	0.06	0.3
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	12	0.28	0.06	0.3
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	12	0.28	0.06	0.3
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	12	0.25	0.12	0.22
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	12	0.25	0.12	0.22
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	12	0.16	0.02	0.16
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	12	0.16	0.02	0.16
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	12	0.11	0.01	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	12	0.11	0.01	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	12	0.11	0.01	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	12	0.11	0.01	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	12	0.11	0.01	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	12	0.11	0.01	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	12	0.11	0.01	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	12	0.11	0.01	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	12	0.11	0.01	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	12	0.11	0.01	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	12	0.11	0.01	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	12	0.11	0.01	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	12	0.11	0.01	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	12	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	12	0.11	0.01	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	12	0.11	0.01	0.11
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	11	1.56	0.27	1.58
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	11	1.56	0.27	1.58
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	11	1.56	0.27	1.58
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	11	1.56	0.27	1.58
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	11	1.56	0.27	1.58
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	11	1.56	0.27	1.58
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	11	1.56	0.27	1.58
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	11	1.56	0.27	1.58
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	11	1.56	0.27	1.58
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	11	1.56	0.27	1.58
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	11	1.56	0.27	1.58
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	11	1.56	0.27	1.58
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	11	1.22	0.27	1.28
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	11	1.22	0.27	1.28
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	11	1.22	0.27	1.28
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	11	1.22	0.27	1.28
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	11	1.22	0.27	1.28
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	11	1.22	0.27	1.28
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	11	1.19	0.15	1.21
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	11	1.19	0.15	1.21
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	11	1.19	0.15	1.21
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	11	1.19	0.15	1.21
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	11	1.19	0.15	1.21
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	11	1.19	0.15	1.21
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	11	0.78	0.28	0.77
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	11	0.78	0.28	0.77

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	11	0.78	0.28	0.77
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	11	0.78	0.28	0.77
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	11	0.76	0.31	0.68
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	11	0.76	0.31	0.68
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	11	0.76	0.31	0.68
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	11	0.76	0.31	0.68
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	11	0.76	0.31	0.68
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	11	0.76	0.31	0.68
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	11	0.76	0.31	0.68
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	11	0.76	0.31	0.68
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	11	0.76	0.31	0.68
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	11	0.76	0.31	0.68
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	11	0.76	0.31	0.68
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	11	0.76	0.31	0.68
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	11	0.7	0.18	0.67
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	11	0.7	0.18	0.67
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	11	0.7	0.18	0.67
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	11	0.7	0.18	0.67
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	11	0.7	0.18	0.67
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	11	0.7	0.18	0.67
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	11	0.63	0.05	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	11	0.63	0.05	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	11	0.63	0.05	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	11	0.63	0.05	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	11	0.63	0.05	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	11	0.63	0.05	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	11	0.63	0.05	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	11	0.63	0.05	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	11	0.63	0.05	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	11	0.63	0.05	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	11	0.63	0.05	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	11	0.63	0.05	0.66
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	11	0.42	0.33	0.44
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	11	0.42	0.33	0.44
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	11	0.42	0.33	0.44
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	11	0.42	0.33	0.44
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	11	0.42	0.33	0.44
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	11	0.42	0.33	0.44
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	11	0.39	0.08	0.38
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	11	0.39	0.08	0.38
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	11	0.39	0.08	0.38
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	11	0.39	0.08	0.38

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	11	0.39	0.08	0.38
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	11	0.39	0.08	0.38
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	11	0.37	0.21	0.34
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	11	0.37	0.21	0.34
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	11	0.37	0.21	0.34
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	11	0.37	0.21	0.34
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	11	0.37	0.21	0.34
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	11	0.37	0.21	0.34
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	11	0.36	0.16	0.39
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	11	0.36	0.16	0.39
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	10	1.37	0.16	1.32
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	10	1.37	0.16	1.32
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	10	0.71	0.3	0.7
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	10	0.71	0.3	0.7
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	10	0.38	0.14	0.38
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	10	0.38	0.14	0.38
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	10	0.37	0.05	0.38
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	10	0.37	0.05	0.38
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	10	0.12	0.01	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	10	0.12	0.01	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	10	0.12	0.01	0.12
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	10	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	10	0.12	0.01	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	10	0.12	0.01	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	10	0.12	0.01	0.11
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	9	0.89	0.19	0.93
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	9	0.89	0.19	0.93
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	9	0.8	0.31	0.69
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	9	0.8	0.31	0.69
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	9	0.8	0.31	0.69
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	9	0.8	0.31	0.69
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	9	0.65	0.34	0.61
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	9	0.65	0.34	0.61
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	9	0.65	0.34	0.61
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	9	0.65	0.34	0.61
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	9	0.65	0.34	0.61
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	9	0.65	0.34	0.61
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	9	0.54	0.19	0.61
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	9	0.54	0.19	0.61
(1,434)	1:225:A:TYR:HD2	1:229:A:ARG:HD3	9	0.48	0.22	0.46
(1,434)	1:225:A:TYR:HE1	1:229:A:ARG:HD3	9	0.48	0.22	0.46
(1,434)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	9	0.48	0.22	0.46
(1,434)	1:225:A:TYR:HD1	1:229:A:ARG:HD3	9	0.48	0.22	0.46
(1,434)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	9	0.48	0.22	0.46
(1,3180)	1:225:A:TYR:HD2	1:229:A:ARG:HD3	9	0.48	0.22	0.46
(1,3180)	1:225:A:TYR:HE1	1:229:A:ARG:HD3	9	0.48	0.22	0.46
(1,3180)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	9	0.48	0.22	0.46
(1,3180)	1:225:A:TYR:HD1	1:229:A:ARG:HD3	9	0.48	0.22	0.46
(1,3180)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	9	0.48	0.22	0.46
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	9	0.39	0.12	0.43
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	9	0.39	0.12	0.43
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	9	0.39	0.12	0.43
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	9	0.39	0.12	0.43
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	9	0.39	0.12	0.43
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	9	0.39	0.12	0.43

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	9	0.26	0.09	0.28
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	9	0.26	0.09	0.28
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	9	0.26	0.09	0.28
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	9	0.26	0.09	0.28
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	9	0.26	0.09	0.28
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	9	0.26	0.09	0.28
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	9	0.25	0.07	0.23
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	9	0.25	0.07	0.23
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	9	0.23	0.08	0.23
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	9	0.23	0.08	0.23
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	9	0.23	0.08	0.23
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	9	0.23	0.08	0.23
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	9	0.23	0.08	0.23
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	9	0.23	0.08	0.23
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	9	0.11	0.01	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	9	0.11	0.01	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	9	0.11	0.01	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	9	0.11	0.01	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	9	0.11	0.01	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	9	0.11	0.01	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	9	0.11	0.01	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	9	0.11	0.01	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	9	0.11	0.01	0.11
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	8	0.89	0.17	0.96
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	8	0.89	0.17	0.96
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	8	0.89	0.17	0.96
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	8	0.89	0.17	0.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	8	0.89	0.17	0.96
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	8	0.89	0.17	0.96
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	8	0.66	0.19	0.7
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	8	0.66	0.19	0.7
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	8	0.64	0.16	0.68
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	8	0.64	0.16	0.68
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	8	0.64	0.07	0.64
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	8	0.64	0.07	0.64
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	8	0.64	0.07	0.64
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	8	0.64	0.07	0.64
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	8	0.64	0.07	0.64
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	8	0.64	0.07	0.64
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	8	0.62	0.24	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	8	0.62	0.24	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	8	0.62	0.24	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	8	0.62	0.24	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	8	0.62	0.24	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	8	0.62	0.24	0.61
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	8	0.57	0.35	0.76
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	8	0.57	0.35	0.76
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	8	0.57	0.02	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	8	0.57	0.02	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	8	0.57	0.02	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	8	0.57	0.02	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	8	0.57	0.02	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	8	0.57	0.02	0.58
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	8	0.54	0.32	0.47
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	8	0.54	0.32	0.47
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	8	0.54	0.32	0.47
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	8	0.54	0.32	0.47
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	8	0.54	0.32	0.47
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	8	0.54	0.32	0.47
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	8	0.51	0.39	0.34
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	8	0.51	0.39	0.34
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	8	0.51	0.39	0.34
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	8	0.51	0.39	0.34
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	8	0.51	0.39	0.34
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	8	0.51	0.39	0.34
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	8	0.51	0.39	0.34
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	8	0.51	0.39	0.34
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	8	0.51	0.39	0.34
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	8	0.51	0.39	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	8	0.51	0.39	0.34
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	8	0.51	0.39	0.34
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	8	0.43	0.2	0.46
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	8	0.43	0.2	0.46
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	8	0.37	0.02	0.38
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	8	0.37	0.02	0.38
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	8	0.37	0.02	0.38
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	8	0.37	0.02	0.38
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	8	0.34	0.19	0.26
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	8	0.34	0.19	0.26
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	8	0.34	0.19	0.26
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	8	0.34	0.19	0.26
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	8	0.34	0.19	0.26
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	8	0.34	0.19	0.26
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	8	0.32	0.11	0.34
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	8	0.32	0.11	0.34
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	8	0.29	0.3	0.18
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	8	0.29	0.3	0.18
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	8	0.29	0.3	0.18
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	8	0.29	0.3	0.18
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	8	0.29	0.3	0.18
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	8	0.29	0.3	0.18
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	8	0.29	0.3	0.18
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	8	0.29	0.3	0.18
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	8	0.29	0.3	0.18
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	8	0.29	0.3	0.18
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	8	0.29	0.3	0.18
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	8	0.29	0.3	0.18
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	8	0.26	0.04	0.28
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	8	0.26	0.04	0.28
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	8	0.18	0.09	0.14
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	8	0.18	0.09	0.14
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	8	0.18	0.09	0.14
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	8	0.18	0.09	0.14
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	8	0.18	0.09	0.14
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	8	0.18	0.09	0.14
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	8	0.17	0.01	0.18
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	8	0.17	0.01	0.18
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	8	0.12	0.01	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	8	0.12	0.01	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	8	0.12	0.01	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	8	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	8	0.12	0.01	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	8	0.12	0.01	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	8	0.12	0.01	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	8	0.12	0.01	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	8	0.12	0.01	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	8	0.12	0.01	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	8	0.12	0.01	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	8	0.12	0.01	0.12
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	7	0.93	0.13	0.86
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	7	0.93	0.13	0.86
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	7	0.76	0.19	0.69
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	7	0.76	0.19	0.69
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	7	0.76	0.19	0.69
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	7	0.76	0.19	0.69
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	7	0.76	0.19	0.69
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	7	0.76	0.19	0.69
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	7	0.72	0.26	0.82
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	7	0.72	0.26	0.82
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	7	0.65	0.4	0.68
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	7	0.65	0.4	0.68
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	7	0.65	0.4	0.68
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	7	0.65	0.4	0.68
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	7	0.65	0.4	0.68
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	7	0.65	0.4	0.68
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	7	0.49	0.29	0.41
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	7	0.49	0.29	0.41
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	7	0.49	0.29	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	7	0.22	0.08	0.2
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	7	0.22	0.08	0.2
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	7	0.16	0.03	0.16
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	7	0.16	0.03	0.16
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	7	0.11	0.01	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	7	0.11	0.01	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	7	0.11	0.01	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	7	0.11	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	7	0.11	0.01	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	7	0.11	0.01	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	7	0.11	0.01	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	7	0.11	0.01	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	7	0.11	0.01	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	7	0.11	0.01	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	7	0.11	0.01	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	7	0.11	0.01	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	7	0.11	0.01	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	7	0.11	0.01	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	7	0.11	0.01	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	7	0.11	0.01	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	7	0.11	0.01	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	7	0.11	0.01	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	7	0.11	0.01	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	7	0.11	0.01	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	7	0.11	0.01	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	7	0.11	0.01	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	7	0.11	0.01	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	7	0.11	0.01	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	7	0.11	0.0	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	7	0.11	0.0	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	7	0.11	0.0	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	7	0.11	0.0	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	7	0.11	0.0	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	7	0.11	0.0	0.11
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	7	0.11	0.0	0.11
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	7	0.11	0.0	0.11
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	7	0.11	0.0	0.11
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	7	0.11	0.0	0.11
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	7	0.11	0.0	0.11
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	7	0.11	0.0	0.11
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	7	0.1	0.0	0.1
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	7	0.1	0.0	0.1
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	7	0.1	0.0	0.1
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	7	0.1	0.0	0.1
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	6	1.48	0.45	1.62
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	6	1.48	0.45	1.62
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	6	1.48	0.45	1.62
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	6	1.48	0.45	1.62
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	6	1.48	0.45	1.62
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	6	1.48	0.45	1.62

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	6	1.37	0.73	1.32
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	6	1.37	0.73	1.32
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	6	1.37	0.73	1.32
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	6	1.37	0.73	1.32
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	6	1.37	0.73	1.32
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	6	1.37	0.73	1.32
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	6	1.3	0.43	1.54
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	6	1.3	0.43	1.54
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	6	1.17	0.2	1.25
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	6	1.17	0.2	1.25
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	6	1.1	0.62	1.02
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	6	1.1	0.62	1.02
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	6	1.1	0.62	1.02
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	6	1.1	0.62	1.02
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	6	1.1	0.62	1.02
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	6	1.1	0.62	1.02
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	6	1.01	0.59	1.29
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	6	1.01	0.59	1.29
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	6	1.01	0.59	1.29
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	6	1.0	0.45	1.27
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	6	1.0	0.45	1.27
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	6	1.0	0.45	1.27
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	6	1.0	0.45	1.27
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	6	1.0	0.45	1.27
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	6	1.0	0.45	1.27
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	6	0.9	0.29	0.97
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	6	0.9	0.29	0.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	6	0.9	0.29	0.97
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	6	0.9	0.29	0.97
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	6	0.9	0.29	0.97
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	6	0.9	0.29	0.97
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	6	0.9	0.29	0.97
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	6	0.9	0.29	0.97
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	6	0.9	0.29	0.97
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	6	0.9	0.29	0.97
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	6	0.9	0.29	0.97
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	6	0.9	0.29	0.97
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	6	0.72	0.02	0.72
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	6	0.72	0.02	0.72
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	6	0.72	0.02	0.72
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	6	0.72	0.02	0.72
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	6	0.72	0.02	0.72
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	6	0.72	0.02	0.72
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	6	0.62	0.12	0.56
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	6	0.62	0.12	0.56
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	6	0.62	0.12	0.56
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	6	0.62	0.12	0.56
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	6	0.62	0.12	0.56
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	6	0.62	0.12	0.56
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	6	0.62	0.52	0.53
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	6	0.62	0.52	0.53
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	6	0.62	0.52	0.53
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	6	0.56	0.18	0.6
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	6	0.56	0.18	0.6

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	6	0.56	0.18	0.6
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	6	0.56	0.18	0.6
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	6	0.56	0.18	0.6
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	6	0.56	0.18	0.6
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	6	0.56	0.23	0.58
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	6	0.56	0.23	0.58
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	6	0.56	0.23	0.58
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	6	0.56	0.23	0.58
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	6	0.56	0.23	0.58
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	6	0.56	0.23	0.58
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	6	0.54	0.31	0.45
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	6	0.54	0.31	0.45
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	6	0.54	0.31	0.45
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	6	0.54	0.31	0.45
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	6	0.52	0.09	0.51
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	6	0.52	0.09	0.51
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	6	0.5	0.07	0.53
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	6	0.5	0.07	0.53
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	6	0.5	0.07	0.53
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	6	0.5	0.07	0.53
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	6	0.5	0.07	0.53
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	6	0.5	0.07	0.53
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	6	0.5	0.31	0.54
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	6	0.5	0.31	0.54
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	6	0.5	0.31	0.54
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	6	0.5	0.31	0.54
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	6	0.5	0.31	0.54
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	6	0.5	0.31	0.54
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	6	0.5	0.28	0.44
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	6	0.5	0.28	0.44
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	6	0.49	0.25	0.54
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	6	0.49	0.25	0.54
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	6	0.49	0.25	0.54
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	6	0.49	0.25	0.54
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	6	0.49	0.25	0.54
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	6	0.49	0.25	0.54
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	6	0.42	0.14	0.38
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	6	0.42	0.14	0.38
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	6	0.42	0.14	0.38
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	6	0.42	0.14	0.38
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	6	0.4	0.14	0.46
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	6	0.4	0.14	0.46

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	6	0.34	0.05	0.36
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	6	0.34	0.05	0.36
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	6	0.31	0.16	0.27
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	6	0.31	0.16	0.27
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	6	0.31	0.16	0.27
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	6	0.31	0.16	0.27
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	6	0.31	0.16	0.27
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	6	0.31	0.16	0.27
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	6	0.3	0.09	0.36
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	6	0.3	0.09	0.36
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	6	0.25	0.07	0.25
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	6	0.25	0.07	0.25
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD2	6	0.22	0.05	0.22
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD1	6	0.22	0.05	0.22
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD2	6	0.22	0.05	0.22
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD1	6	0.22	0.05	0.22
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	6	0.11	0.0	0.11
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	6	0.11	0.0	0.11
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	6	0.11	0.0	0.11
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	6	0.11	0.0	0.11
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	6	0.11	0.0	0.11
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	6	0.11	0.0	0.11
(1,2514)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	5	1.48	0.04	1.47
(1,2514)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	5	1.48	0.04	1.47
(1,5260)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	5	1.48	0.04	1.47
(1,5260)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	5	1.48	0.04	1.47
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG21	5	1.33	0.21	1.24
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG22	5	1.33	0.21	1.24
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG23	5	1.33	0.21	1.24
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG21	5	1.33	0.21	1.24
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG22	5	1.33	0.21	1.24
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG23	5	1.33	0.21	1.24
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	5	1.17	0.53	0.92
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	5	1.17	0.53	0.92

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	5	1.17	0.53	0.92
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	5	1.17	0.53	0.92
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	5	1.14	0.44	1.06
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	5	1.14	0.44	1.06
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	5	1.14	0.44	1.06
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	5	1.14	0.44	1.06
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	5	1.14	0.44	1.06
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	5	1.14	0.44	1.06
(1,2491)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	5	0.8	0.57	1.16
(1,2491)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	5	0.8	0.57	1.16
(1,5237)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	5	0.8	0.57	1.16
(1,5237)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	5	0.8	0.57	1.16
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE1	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE2	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE3	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE1	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE2	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE3	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE1	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE2	5	0.7	0.25	0.8
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE3	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE1	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE2	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE3	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE1	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE2	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE3	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE1	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE2	5	0.7	0.25	0.8
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE3	5	0.7	0.25	0.8
(1,1321)	1:138:A:MET:HG3	1:139:A:ILE:H	5	0.61	0.06	0.66
(1,4067)	1:138:A:MET:HG3	1:139:A:ILE:H	5	0.61	0.06	0.66
(1,1698)	1:134:A:MET:H	1:159:A:ASN:HB2	5	0.59	0.0	0.59
(1,4444)	1:134:A:MET:H	1:159:A:ASN:HB2	5	0.59	0.0	0.59
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG11	5	0.53	0.33	0.45
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG12	5	0.53	0.33	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG13	5	0.53	0.33	0.45
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG11	5	0.53	0.33	0.45
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG12	5	0.53	0.33	0.45
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG13	5	0.53	0.33	0.45
(1,975)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	5	0.5	0.07	0.54
(1,3721)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	5	0.5	0.07	0.54
(1,453)	1:208:A:ARG:HA	1:208:A:ARG:HD2	5	0.49	0.19	0.58
(1,3199)	1:208:A:ARG:HA	1:208:A:ARG:HD2	5	0.49	0.19	0.58
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	5	0.45	0.2	0.4
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	5	0.45	0.2	0.4
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	5	0.45	0.2	0.4
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	5	0.45	0.2	0.4
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	5	0.45	0.2	0.4
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	5	0.45	0.2	0.4
(1,1579)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	5	0.43	0.18	0.43
(1,1579)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	5	0.43	0.18	0.43
(1,4325)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	5	0.43	0.18	0.43
(1,4325)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	5	0.43	0.18	0.43
(1,1290)	1:137:A:PRO:HB3	1:213:A:MET:HG2	5	0.43	0.42	0.25
(1,4036)	1:137:A:PRO:HB3	1:213:A:MET:HG2	5	0.43	0.42	0.25
(1,204)	1:216:A:THR:HG21	1:217:A:GLN:HG2	5	0.42	0.13	0.4
(1,204)	1:216:A:THR:HG22	1:217:A:GLN:HG2	5	0.42	0.13	0.4
(1,204)	1:216:A:THR:HG23	1:217:A:GLN:HG2	5	0.42	0.13	0.4
(1,2950)	1:216:A:THR:HG21	1:217:A:GLN:HG2	5	0.42	0.13	0.4
(1,2950)	1:216:A:THR:HG22	1:217:A:GLN:HG2	5	0.42	0.13	0.4
(1,2950)	1:216:A:THR:HG23	1:217:A:GLN:HG2	5	0.42	0.13	0.4
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	5	0.4	0.32	0.23
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	5	0.4	0.32	0.23
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	5	0.4	0.32	0.23
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	5	0.4	0.32	0.23
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	5	0.4	0.32	0.23
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	5	0.4	0.32	0.23
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	5	0.4	0.32	0.23
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	5	0.4	0.32	0.23
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	5	0.4	0.32	0.23
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	5	0.4	0.32	0.23
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	5	0.4	0.32	0.23
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	5	0.4	0.32	0.23
(1,42)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	5	0.35	0.19	0.33
(1,42)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	5	0.35	0.19	0.33
(1,42)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	5	0.35	0.19	0.33
(1,2788)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	5	0.35	0.19	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2788)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	5	0.35	0.19	0.33
(1,2788)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	5	0.35	0.19	0.33
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE1	5	0.33	0.45	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE2	5	0.33	0.45	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE3	5	0.33	0.45	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE1	5	0.33	0.45	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE2	5	0.33	0.45	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE3	5	0.33	0.45	0.1
(1,336)	1:130:A:LEU:HD11	1:131:A:GLY:H	5	0.31	0.22	0.25
(1,336)	1:130:A:LEU:HD12	1:131:A:GLY:H	5	0.31	0.22	0.25
(1,336)	1:130:A:LEU:HD13	1:131:A:GLY:H	5	0.31	0.22	0.25
(1,3082)	1:130:A:LEU:HD11	1:131:A:GLY:H	5	0.31	0.22	0.25
(1,3082)	1:130:A:LEU:HD12	1:131:A:GLY:H	5	0.31	0.22	0.25
(1,3082)	1:130:A:LEU:HD13	1:131:A:GLY:H	5	0.31	0.22	0.25
(1,2019)	1:221:A:GLU:H	1:221:A:GLU:HG3	5	0.26	0.05	0.28
(1,4765)	1:221:A:GLU:H	1:221:A:GLU:HG3	5	0.26	0.05	0.28
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD21	5	0.24	0.26	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD22	5	0.24	0.26	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD23	5	0.24	0.26	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD21	5	0.24	0.26	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD22	5	0.24	0.26	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD23	5	0.24	0.26	0.11
(1,1055)	1:208:A:ARG:HA	1:208:A:ARG:HG3	5	0.16	0.02	0.16
(1,3801)	1:208:A:ARG:HA	1:208:A:ARG:HG3	5	0.16	0.02	0.16
(1,8)	1:204:A:LYS:HG2	1:205:A:MET:H	5	0.14	0.04	0.12
(1,2754)	1:204:A:LYS:HG2	1:205:A:MET:H	5	0.14	0.04	0.12
(1,357)	1:122:A:VAL:HG11	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,357)	1:122:A:VAL:HG12	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,357)	1:122:A:VAL:HG13	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,357)	1:122:A:VAL:HG21	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,357)	1:122:A:VAL:HG22	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,357)	1:122:A:VAL:HG23	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,3103)	1:122:A:VAL:HG11	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,3103)	1:122:A:VAL:HG12	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,3103)	1:122:A:VAL:HG13	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,3103)	1:122:A:VAL:HG21	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,3103)	1:122:A:VAL:HG22	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,3103)	1:122:A:VAL:HG23	1:125:A:LEU:HG	5	0.14	0.01	0.14
(1,2483)	1:226:A:TYR:HD1	1:227:A:ASP:H	5	0.12	0.01	0.12
(1,2483)	1:226:A:TYR:HD2	1:227:A:ASP:H	5	0.12	0.01	0.12
(1,5229)	1:226:A:TYR:HD1	1:227:A:ASP:H	5	0.12	0.01	0.12
(1,5229)	1:226:A:TYR:HD2	1:227:A:ASP:H	5	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,470)	1:169:A:ALA:HB1	1:170:A:SER:HA	5	0.12	0.0	0.12
(1,470)	1:169:A:ALA:HB2	1:170:A:SER:HA	5	0.12	0.0	0.12
(1,470)	1:169:A:ALA:HB3	1:170:A:SER:HA	5	0.12	0.0	0.12
(1,3216)	1:169:A:ALA:HB1	1:170:A:SER:HA	5	0.12	0.0	0.12
(1,3216)	1:169:A:ALA:HB2	1:170:A:SER:HA	5	0.12	0.0	0.12
(1,3216)	1:169:A:ALA:HB3	1:170:A:SER:HA	5	0.12	0.0	0.12
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	5	0.12	0.01	0.12
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	5	0.12	0.01	0.12
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	5	0.12	0.01	0.12
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	5	0.12	0.01	0.12
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	5	0.12	0.01	0.12
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	5	0.12	0.01	0.12
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	5	0.12	0.01	0.12
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	5	0.12	0.01	0.12
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	5	0.12	0.01	0.12
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	5	0.12	0.01	0.12
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	5	0.12	0.01	0.12
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	5	0.12	0.01	0.12
(1,1068)	1:204:A:LYS:HA	1:207:A:GLU:HG2	5	0.11	0.01	0.11
(1,3814)	1:204:A:LYS:HA	1:207:A:GLU:HG2	5	0.11	0.01	0.11
(1,1869)	1:192:A:THR:HG21	1:197:A:ASN:H	5	0.11	0.01	0.11
(1,1869)	1:192:A:THR:HG22	1:197:A:ASN:H	5	0.11	0.01	0.11
(1,1869)	1:192:A:THR:HG23	1:197:A:ASN:H	5	0.11	0.01	0.11
(1,2185)	1:173:A:ASN:H	1:173:A:ASN:HB3	5	0.11	0.01	0.11
(1,4615)	1:192:A:THR:HG21	1:197:A:ASN:H	5	0.11	0.01	0.11
(1,4615)	1:192:A:THR:HG22	1:197:A:ASN:H	5	0.11	0.01	0.11
(1,4615)	1:192:A:THR:HG23	1:197:A:ASN:H	5	0.11	0.01	0.11
(1,4931)	1:173:A:ASN:H	1:173:A:ASN:HB3	5	0.11	0.01	0.11
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD2	5	0.11	0.01	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD3	5	0.11	0.01	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD2	5	0.11	0.01	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD3	5	0.11	0.01	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD2	5	0.11	0.01	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD3	5	0.11	0.01	0.1
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG12	5	0.11	0.0	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG13	5	0.11	0.0	0.11
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD2	5	0.11	0.01	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD3	5	0.11	0.01	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD2	5	0.11	0.01	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD3	5	0.11	0.01	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD2	5	0.11	0.01	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD3	5	0.11	0.01	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG12	5	0.11	0.0	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG13	5	0.11	0.0	0.11
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD1	5	0.1	0.0	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD2	5	0.1	0.0	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD1	5	0.1	0.0	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD2	5	0.1	0.0	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD1	5	0.1	0.0	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD2	5	0.1	0.0	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD1	5	0.1	0.0	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD2	5	0.1	0.0	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD1	5	0.1	0.0	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD2	5	0.1	0.0	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD1	5	0.1	0.0	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD2	5	0.1	0.0	0.1
(1,289)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	4	1.38	0.04	1.38
(1,289)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	4	1.38	0.04	1.38
(1,289)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	4	1.38	0.04	1.38
(1,3035)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	4	1.38	0.04	1.38
(1,3035)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	4	1.38	0.04	1.38
(1,3035)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	4	1.38	0.04	1.38
(1,918)	1:176:A:VAL:HG11	1:177:A:HIS:HA	4	1.1	0.05	1.08
(1,918)	1:176:A:VAL:HG12	1:177:A:HIS:HA	4	1.1	0.05	1.08
(1,918)	1:176:A:VAL:HG13	1:177:A:HIS:HA	4	1.1	0.05	1.08
(1,3664)	1:176:A:VAL:HG11	1:177:A:HIS:HA	4	1.1	0.05	1.08
(1,3664)	1:176:A:VAL:HG12	1:177:A:HIS:HA	4	1.1	0.05	1.08
(1,3664)	1:176:A:VAL:HG13	1:177:A:HIS:HA	4	1.1	0.05	1.08
(1,1488)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	4	0.9	0.04	0.9
(1,1488)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	4	0.9	0.04	0.9
(1,1488)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	4	0.9	0.04	0.9
(1,4234)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	4	0.9	0.04	0.9
(1,4234)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	4	0.9	0.04	0.9
(1,4234)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	4	0.9	0.04	0.9
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	4	0.67	0.21	0.67
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	4	0.67	0.21	0.67
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	4	0.67	0.21	0.67
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	4	0.67	0.21	0.67
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	4	0.67	0.21	0.67
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	4	0.67	0.21	0.67
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	4	0.67	0.21	0.67
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	4	0.67	0.21	0.67
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	4	0.67	0.21	0.67
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	4	0.67	0.21	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	4	0.67	0.21	0.67
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	4	0.67	0.21	0.67
(1,363)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	4	0.66	0.36	0.57
(1,363)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	4	0.66	0.36	0.57
(1,363)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	4	0.66	0.36	0.57
(1,3109)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	4	0.66	0.36	0.57
(1,3109)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	4	0.66	0.36	0.57
(1,3109)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	4	0.66	0.36	0.57
(1,871)	1:170:A:SER:HA	1:174:A:ASN:HD22	4	0.66	0.03	0.66
(1,3617)	1:170:A:SER:HA	1:174:A:ASN:HD22	4	0.66	0.03	0.66
(1,34)	1:176:A:VAL:HG21	1:215:A:VAL:H	4	0.64	0.12	0.64
(1,34)	1:176:A:VAL:HG22	1:215:A:VAL:H	4	0.64	0.12	0.64
(1,34)	1:176:A:VAL:HG23	1:215:A:VAL:H	4	0.64	0.12	0.64
(1,2780)	1:176:A:VAL:HG21	1:215:A:VAL:H	4	0.64	0.12	0.64
(1,2780)	1:176:A:VAL:HG22	1:215:A:VAL:H	4	0.64	0.12	0.64
(1,2780)	1:176:A:VAL:HG23	1:215:A:VAL:H	4	0.64	0.12	0.64
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	4	0.64	0.54	0.53
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	4	0.64	0.54	0.53
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	4	0.64	0.54	0.53
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	4	0.64	0.54	0.53
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	4	0.64	0.54	0.53
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	4	0.64	0.54	0.53
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	4	0.64	0.54	0.53
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	4	0.64	0.54	0.53
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	4	0.64	0.54	0.53
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	4	0.64	0.54	0.53
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	4	0.64	0.54	0.53
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	4	0.64	0.54	0.53
(1,40)	1:176:A:VAL:HG21	1:215:A:VAL:HA	4	0.63	0.11	0.65
(1,40)	1:176:A:VAL:HG22	1:215:A:VAL:HA	4	0.63	0.11	0.65
(1,40)	1:176:A:VAL:HG23	1:215:A:VAL:HA	4	0.63	0.11	0.65
(1,753)	1:138:A:MET:HE1	1:151:A:ARG:HG3	4	0.63	0.12	0.66
(1,753)	1:138:A:MET:HE2	1:151:A:ARG:HG3	4	0.63	0.12	0.66
(1,753)	1:138:A:MET:HE3	1:151:A:ARG:HG3	4	0.63	0.12	0.66
(1,2786)	1:176:A:VAL:HG21	1:215:A:VAL:HA	4	0.63	0.11	0.65
(1,2786)	1:176:A:VAL:HG22	1:215:A:VAL:HA	4	0.63	0.11	0.65
(1,2786)	1:176:A:VAL:HG23	1:215:A:VAL:HA	4	0.63	0.11	0.65
(1,3499)	1:138:A:MET:HE1	1:151:A:ARG:HG3	4	0.63	0.12	0.66
(1,3499)	1:138:A:MET:HE2	1:151:A:ARG:HG3	4	0.63	0.12	0.66
(1,3499)	1:138:A:MET:HE3	1:151:A:ARG:HG3	4	0.63	0.12	0.66
(1,1711)	1:166:A:VAL:HG11	1:169:A:ALA:H	4	0.62	0.34	0.7
(1,1711)	1:166:A:VAL:HG12	1:169:A:ALA:H	4	0.62	0.34	0.7

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1711)	1:166:A:VAL:HG13	1:169:A:ALA:H	4	0.62	0.34	0.7
(1,4457)	1:166:A:VAL:HG11	1:169:A:ALA:H	4	0.62	0.34	0.7
(1,4457)	1:166:A:VAL:HG12	1:169:A:ALA:H	4	0.62	0.34	0.7
(1,4457)	1:166:A:VAL:HG13	1:169:A:ALA:H	4	0.62	0.34	0.7
(1,1837)	1:176:A:VAL:HG21	1:218:A:TYR:H	4	0.56	0.17	0.53
(1,1837)	1:176:A:VAL:HG22	1:218:A:TYR:H	4	0.56	0.17	0.53
(1,1837)	1:176:A:VAL:HG23	1:218:A:TYR:H	4	0.56	0.17	0.53
(1,4583)	1:176:A:VAL:HG21	1:218:A:TYR:H	4	0.56	0.17	0.53
(1,4583)	1:176:A:VAL:HG22	1:218:A:TYR:H	4	0.56	0.17	0.53
(1,4583)	1:176:A:VAL:HG23	1:218:A:TYR:H	4	0.56	0.17	0.53
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	4	0.52	0.27	0.5
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	4	0.52	0.27	0.5
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	4	0.52	0.27	0.5
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	4	0.52	0.27	0.5
(1,456)	1:208:A:ARG:HD3	1:209:A:VAL:H	4	0.51	0.12	0.52
(1,3202)	1:208:A:ARG:HD3	1:209:A:VAL:H	4	0.51	0.12	0.52
(1,1420)	1:167:A:ASP:HA	1:225:A:TYR:HD1	4	0.44	0.09	0.46
(1,4166)	1:167:A:ASP:HA	1:225:A:TYR:HD1	4	0.44	0.09	0.46
(1,1355)	1:230:A:ARG:HB3	1:231:A:SER:HA	4	0.38	0.16	0.46
(1,4101)	1:230:A:ARG:HB3	1:231:A:SER:HA	4	0.38	0.16	0.46
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	4	0.37	0.15	0.36
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	4	0.37	0.15	0.36
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	4	0.37	0.15	0.36
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	4	0.37	0.15	0.36
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	4	0.37	0.15	0.36
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	4	0.37	0.15	0.36
(1,2428)	1:141:A:PHE:HB3	1:142:A:GLY:H	4	0.31	0.06	0.31
(1,5174)	1:141:A:PHE:HB3	1:142:A:GLY:H	4	0.31	0.06	0.31
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD1	4	0.28	0.15	0.26
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD2	4	0.28	0.15	0.26
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD1	4	0.28	0.15	0.26
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD2	4	0.28	0.15	0.26
(1,2500)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	4	0.27	0.08	0.27
(1,2500)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	4	0.27	0.08	0.27
(1,5246)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	4	0.27	0.08	0.27
(1,5246)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	4	0.27	0.08	0.27
(1,1503)	1:129:A:MET:H	1:165:A:PRO:HD2	4	0.27	0.1	0.26
(1,4249)	1:129:A:MET:H	1:165:A:PRO:HD2	4	0.27	0.1	0.26
(1,667)	1:147:A:ASP:HB2	1:148:A:ARG:HA	4	0.2	0.06	0.2
(1,3413)	1:147:A:ASP:HB2	1:148:A:ARG:HA	4	0.2	0.06	0.2
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG11	4	0.18	0.03	0.16
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG12	4	0.18	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG13	4	0.18	0.03	0.16
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG11	4	0.18	0.03	0.16
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG12	4	0.18	0.03	0.16
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG13	4	0.18	0.03	0.16
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	4	0.17	0.05	0.17
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	4	0.17	0.05	0.17
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	4	0.17	0.05	0.17
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	4	0.17	0.05	0.17
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	4	0.17	0.05	0.17
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	4	0.17	0.05	0.17
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	4	0.17	0.05	0.17
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	4	0.17	0.05	0.17
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	4	0.17	0.05	0.17
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	4	0.17	0.05	0.17
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	4	0.17	0.05	0.17
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	4	0.17	0.05	0.17
(1,2289)	1:160:A:GLN:H	1:160:A:GLN:HB3	4	0.16	0.03	0.15
(1,5035)	1:160:A:GLN:H	1:160:A:GLN:HB3	4	0.16	0.03	0.15
(1,1408)	1:208:A:ARG:H	1:208:A:ARG:HB3	4	0.14	0.02	0.14
(1,4154)	1:208:A:ARG:H	1:208:A:ARG:HB3	4	0.14	0.02	0.14
(1,350)	1:122:A:VAL:HG11	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,350)	1:122:A:VAL:HG12	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,350)	1:122:A:VAL:HG13	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,350)	1:122:A:VAL:HG21	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,350)	1:122:A:VAL:HG22	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,350)	1:122:A:VAL:HG23	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,3096)	1:122:A:VAL:HG11	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,3096)	1:122:A:VAL:HG12	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,3096)	1:122:A:VAL:HG13	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,3096)	1:122:A:VAL:HG21	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,3096)	1:122:A:VAL:HG22	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,3096)	1:122:A:VAL:HG23	1:125:A:LEU:H	4	0.12	0.0	0.12
(1,13)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	4	0.11	0.0	0.11
(1,13)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	4	0.11	0.0	0.11
(1,13)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	4	0.11	0.0	0.11
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	4	0.11	0.01	0.11
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	4	0.11	0.01	0.11
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	4	0.11	0.01	0.11
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	4	0.11	0.01	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD2	4	0.11	0.0	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD3	4	0.11	0.0	0.11
(1,2759)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	4	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2759)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	4	0.11	0.0	0.11
(1,2759)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	4	0.11	0.0	0.11
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	4	0.11	0.01	0.11
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	4	0.11	0.01	0.11
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	4	0.11	0.01	0.11
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	4	0.11	0.01	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD2	4	0.11	0.0	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD3	4	0.11	0.0	0.11
(1,41)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	4	0.11	0.01	0.11
(1,41)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	4	0.11	0.01	0.11
(1,41)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	4	0.11	0.01	0.11
(1,2787)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	4	0.11	0.01	0.11
(1,2787)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	4	0.11	0.01	0.11
(1,2787)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	4	0.11	0.01	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB2	4	0.11	0.0	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB3	4	0.11	0.0	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA2	4	0.11	0.0	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA3	4	0.11	0.0	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE1	4	0.11	0.0	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE2	4	0.11	0.0	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE3	4	0.11	0.0	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB2	4	0.11	0.0	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB3	4	0.11	0.0	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA2	4	0.11	0.0	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA3	4	0.11	0.0	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE1	4	0.11	0.0	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE2	4	0.11	0.0	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE3	4	0.11	0.0	0.11
(1,1331)	1:175:A:PHE:H	1:176:A:VAL:HB	4	0.11	0.0	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG11	4	0.11	0.0	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG12	4	0.11	0.0	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG13	4	0.11	0.0	0.11
(1,4077)	1:175:A:PHE:H	1:176:A:VAL:HB	4	0.11	0.0	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG11	4	0.11	0.0	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG12	4	0.11	0.0	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG13	4	0.11	0.0	0.11
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD2	4	0.1	0.0	0.1
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD3	4	0.1	0.0	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE2	4	0.1	0.0	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE3	4	0.1	0.0	0.1
(1,631)	1:134:A:MET:HE1	1:161:A:VAL:H	4	0.1	0.0	0.1
(1,631)	1:134:A:MET:HE2	1:161:A:VAL:H	4	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,631)	1:134:A:MET:HE3	1:161:A:VAL:H	4	0.1	0.0	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE1	4	0.1	0.0	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE2	4	0.1	0.0	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE3	4	0.1	0.0	0.1
(1,2369)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	4	0.1	0.0	0.1
(1,2369)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	4	0.1	0.0	0.1
(1,2369)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	4	0.1	0.0	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD2	4	0.1	0.0	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD3	4	0.1	0.0	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE2	4	0.1	0.0	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE3	4	0.1	0.0	0.1
(1,3377)	1:134:A:MET:HE1	1:161:A:VAL:H	4	0.1	0.0	0.1
(1,3377)	1:134:A:MET:HE2	1:161:A:VAL:H	4	0.1	0.0	0.1
(1,3377)	1:134:A:MET:HE3	1:161:A:VAL:H	4	0.1	0.0	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE1	4	0.1	0.0	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE2	4	0.1	0.0	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE3	4	0.1	0.0	0.1
(1,5115)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	4	0.1	0.0	0.1
(1,5115)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	4	0.1	0.0	0.1
(1,5115)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	4	0.1	0.0	0.1
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	3	1.98	0.28	2.14
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	3	1.98	0.28	2.14
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	3	1.98	0.28	2.14
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	3	1.98	0.28	2.14
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	3	1.98	0.28	2.14
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	3	1.98	0.28	2.14
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	3	1.98	0.28	2.14
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	3	1.98	0.28	2.14
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	3	1.98	0.28	2.14
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	3	1.98	0.28	2.14
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	3	1.98	0.28	2.14
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	3	1.98	0.28	2.14
(1,133)	1:161:A:VAL:HG11	1:210:A:VAL:H	3	1.86	0.27	1.91
(1,133)	1:161:A:VAL:HG12	1:210:A:VAL:H	3	1.86	0.27	1.91
(1,133)	1:161:A:VAL:HG13	1:210:A:VAL:H	3	1.86	0.27	1.91
(1,2879)	1:161:A:VAL:HG11	1:210:A:VAL:H	3	1.86	0.27	1.91
(1,2879)	1:161:A:VAL:HG12	1:210:A:VAL:H	3	1.86	0.27	1.91
(1,2879)	1:161:A:VAL:HG13	1:210:A:VAL:H	3	1.86	0.27	1.91
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	3	1.84	0.3	1.96
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	3	1.84	0.3	1.96
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	3	1.84	0.3	1.96
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	3	1.84	0.3	1.96

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	3	1.84	0.3	1.96
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	3	1.84	0.3	1.96
(1,2092)	1:166:A:VAL:HG11	1:168:A:GLN:H	3	1.57	0.08	1.63
(1,2092)	1:166:A:VAL:HG12	1:168:A:GLN:H	3	1.57	0.08	1.63
(1,2092)	1:166:A:VAL:HG13	1:168:A:GLN:H	3	1.57	0.08	1.63
(1,4838)	1:166:A:VAL:HG11	1:168:A:GLN:H	3	1.57	0.08	1.63
(1,4838)	1:166:A:VAL:HG12	1:168:A:GLN:H	3	1.57	0.08	1.63
(1,4838)	1:166:A:VAL:HG13	1:168:A:GLN:H	3	1.57	0.08	1.63
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	3	1.44	0.21	1.48
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	3	1.44	0.21	1.48
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	3	1.44	0.21	1.48
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	3	1.44	0.21	1.48
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	3	1.44	0.21	1.48
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	3	1.44	0.21	1.48
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	3	1.44	0.21	1.48
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	3	1.44	0.21	1.48
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	3	1.44	0.21	1.48
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	3	1.44	0.21	1.48
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	3	1.44	0.21	1.48
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	3	1.44	0.21	1.48
(1,562)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	3	1.39	0.23	1.37
(1,562)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	3	1.39	0.23	1.37
(1,562)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	3	1.39	0.23	1.37
(1,3308)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	3	1.39	0.23	1.37
(1,3308)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	3	1.39	0.23	1.37
(1,3308)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	3	1.39	0.23	1.37
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	3	1.34	0.25	1.28
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	3	1.34	0.25	1.28
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	3	1.34	0.25	1.28
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	3	1.34	0.25	1.28
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	3	1.34	0.25	1.28
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	3	1.34	0.25	1.28
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	3	1.34	0.25	1.28
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	3	1.34	0.25	1.28
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	3	1.34	0.25	1.28
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	3	1.34	0.25	1.28
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	3	1.34	0.25	1.28
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	3	1.34	0.25	1.28
(1,1006)	1:161:A:VAL:HG21	1:217:A:GLN:HA	3	1.33	0.11	1.39
(1,1006)	1:161:A:VAL:HG22	1:217:A:GLN:HA	3	1.33	0.11	1.39
(1,1006)	1:161:A:VAL:HG23	1:217:A:GLN:HA	3	1.33	0.11	1.39
(1,3752)	1:161:A:VAL:HG21	1:217:A:GLN:HA	3	1.33	0.11	1.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3752)	1:161:A:VAL:HG22	1:217:A:GLN:HA	3	1.33	0.11	1.39
(1,3752)	1:161:A:VAL:HG23	1:217:A:GLN:HA	3	1.33	0.11	1.39
(1,1421)	1:166:A:VAL:HG11	1:167:A:ASP:HA	3	1.11	0.09	1.06
(1,1421)	1:166:A:VAL:HG12	1:167:A:ASP:HA	3	1.11	0.09	1.06
(1,1421)	1:166:A:VAL:HG13	1:167:A:ASP:HA	3	1.11	0.09	1.06
(1,4167)	1:166:A:VAL:HG11	1:167:A:ASP:HA	3	1.11	0.09	1.06
(1,4167)	1:166:A:VAL:HG12	1:167:A:ASP:HA	3	1.11	0.09	1.06
(1,4167)	1:166:A:VAL:HG13	1:167:A:ASP:HA	3	1.11	0.09	1.06
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG11	3	1.1	0.16	1.2
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG12	3	1.1	0.16	1.2
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG13	3	1.1	0.16	1.2
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG11	3	1.1	0.16	1.2
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG12	3	1.1	0.16	1.2
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG13	3	1.1	0.16	1.2
(1,2619)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	3	1.05	0.13	1.08
(1,2619)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	3	1.05	0.13	1.08
(1,2619)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	3	1.05	0.13	1.08
(1,5365)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	3	1.05	0.13	1.08
(1,5365)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	3	1.05	0.13	1.08
(1,5365)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	3	1.05	0.13	1.08
(1,128)	1:161:A:VAL:HG11	1:213:A:MET:H	3	0.98	0.28	0.97
(1,128)	1:161:A:VAL:HG12	1:213:A:MET:H	3	0.98	0.28	0.97
(1,128)	1:161:A:VAL:HG13	1:213:A:MET:H	3	0.98	0.28	0.97
(1,2874)	1:161:A:VAL:HG11	1:213:A:MET:H	3	0.98	0.28	0.97
(1,2874)	1:161:A:VAL:HG12	1:213:A:MET:H	3	0.98	0.28	0.97
(1,2874)	1:161:A:VAL:HG13	1:213:A:MET:H	3	0.98	0.28	0.97
(1,247)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	3	0.89	0.29	0.92
(1,247)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	3	0.89	0.29	0.92
(1,2993)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	3	0.89	0.29	0.92
(1,2993)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	3	0.89	0.29	0.92
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	3	0.86	0.19	0.88
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	3	0.86	0.19	0.88
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	3	0.86	0.19	0.88
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	3	0.86	0.19	0.88
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	3	0.86	0.19	0.88
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	3	0.86	0.19	0.88
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	3	0.86	0.19	0.88
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	3	0.86	0.19	0.88
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	3	0.86	0.19	0.88
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	3	0.86	0.19	0.88
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	3	0.86	0.19	0.88
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	3	0.86	0.19	0.88

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG21	3	0.84	0.46	1.12
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG22	3	0.84	0.46	1.12
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG23	3	0.84	0.46	1.12
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG21	3	0.84	0.46	1.12
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG22	3	0.84	0.46	1.12
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG23	3	0.84	0.46	1.12
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG21	3	0.74	0.14	0.79
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG22	3	0.74	0.14	0.79
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG23	3	0.74	0.14	0.79
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG21	3	0.74	0.14	0.79
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG22	3	0.74	0.14	0.79
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG23	3	0.74	0.14	0.79
(1,872)	1:166:A:VAL:HG21	1:170:A:SER:HA	3	0.64	0.11	0.71
(1,872)	1:166:A:VAL:HG22	1:170:A:SER:HA	3	0.64	0.11	0.71
(1,872)	1:166:A:VAL:HG23	1:170:A:SER:HA	3	0.64	0.11	0.71
(1,3618)	1:166:A:VAL:HG21	1:170:A:SER:HA	3	0.64	0.11	0.71
(1,3618)	1:166:A:VAL:HG22	1:170:A:SER:HA	3	0.64	0.11	0.71
(1,3618)	1:166:A:VAL:HG23	1:170:A:SER:HA	3	0.64	0.11	0.71
(1,594)	1:161:A:VAL:HG21	1:217:A:GLN:H	3	0.61	0.19	0.54
(1,594)	1:161:A:VAL:HG22	1:217:A:GLN:H	3	0.61	0.19	0.54
(1,594)	1:161:A:VAL:HG23	1:217:A:GLN:H	3	0.61	0.19	0.54
(1,3340)	1:161:A:VAL:HG21	1:217:A:GLN:H	3	0.61	0.19	0.54
(1,3340)	1:161:A:VAL:HG22	1:217:A:GLN:H	3	0.61	0.19	0.54
(1,3340)	1:161:A:VAL:HG23	1:217:A:GLN:H	3	0.61	0.19	0.54
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG21	3	0.58	0.05	0.61
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG22	3	0.58	0.05	0.61
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG23	3	0.58	0.05	0.61
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG21	3	0.58	0.05	0.61
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG22	3	0.58	0.05	0.61
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG23	3	0.58	0.05	0.61
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	3	0.57	0.32	0.67
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	3	0.57	0.32	0.67
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	3	0.57	0.32	0.67
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	3	0.57	0.32	0.67
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	3	0.57	0.32	0.67
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	3	0.57	0.32	0.67
(1,853)	1:166:A:VAL:HG11	1:225:A:TYR:HA	3	0.56	0.03	0.54
(1,853)	1:166:A:VAL:HG12	1:225:A:TYR:HA	3	0.56	0.03	0.54
(1,853)	1:166:A:VAL:HG13	1:225:A:TYR:HA	3	0.56	0.03	0.54
(1,3599)	1:166:A:VAL:HG11	1:225:A:TYR:HA	3	0.56	0.03	0.54
(1,3599)	1:166:A:VAL:HG12	1:225:A:TYR:HA	3	0.56	0.03	0.54
(1,3599)	1:166:A:VAL:HG13	1:225:A:TYR:HA	3	0.56	0.03	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,598)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	3	0.49	0.25	0.65
(1,598)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	3	0.49	0.25	0.65
(1,598)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	3	0.49	0.25	0.65
(1,3344)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	3	0.49	0.25	0.65
(1,3344)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	3	0.49	0.25	0.65
(1,3344)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	3	0.49	0.25	0.65
(1,1948)	1:166:A:VAL:HG11	1:226:A:TYR:H	3	0.46	0.09	0.49
(1,1948)	1:166:A:VAL:HG12	1:226:A:TYR:H	3	0.46	0.09	0.49
(1,1948)	1:166:A:VAL:HG13	1:226:A:TYR:H	3	0.46	0.09	0.49
(1,4694)	1:166:A:VAL:HG11	1:226:A:TYR:H	3	0.46	0.09	0.49
(1,4694)	1:166:A:VAL:HG12	1:226:A:TYR:H	3	0.46	0.09	0.49
(1,4694)	1:166:A:VAL:HG13	1:226:A:TYR:H	3	0.46	0.09	0.49
(1,1243)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	3	0.46	0.16	0.37
(1,1243)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	3	0.46	0.16	0.37
(1,3989)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	3	0.46	0.16	0.37
(1,3989)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	3	0.46	0.16	0.37
(1,168)	1:166:A:VAL:HG21	1:170:A:SER:HB3	3	0.42	0.2	0.56
(1,168)	1:166:A:VAL:HG22	1:170:A:SER:HB3	3	0.42	0.2	0.56
(1,168)	1:166:A:VAL:HG23	1:170:A:SER:HB3	3	0.42	0.2	0.56
(1,2914)	1:166:A:VAL:HG21	1:170:A:SER:HB3	3	0.42	0.2	0.56
(1,2914)	1:166:A:VAL:HG22	1:170:A:SER:HB3	3	0.42	0.2	0.56
(1,2914)	1:166:A:VAL:HG23	1:170:A:SER:HB3	3	0.42	0.2	0.56
(1,2068)	1:231:A:SER:H	1:231:A:SER:HB2	3	0.41	0.03	0.42
(1,4814)	1:231:A:SER:H	1:231:A:SER:HB2	3	0.41	0.03	0.42
(1,1422)	1:183:A:THR:HB	1:184:A:ILE:HG12	3	0.38	0.06	0.36
(1,4168)	1:183:A:THR:HB	1:184:A:ILE:HG12	3	0.38	0.06	0.36
(1,2384)	1:161:A:VAL:HG21	1:163:A:TYR:H	3	0.37	0.21	0.33
(1,2384)	1:161:A:VAL:HG22	1:163:A:TYR:H	3	0.37	0.21	0.33
(1,2384)	1:161:A:VAL:HG23	1:163:A:TYR:H	3	0.37	0.21	0.33
(1,5130)	1:161:A:VAL:HG21	1:163:A:TYR:H	3	0.37	0.21	0.33
(1,5130)	1:161:A:VAL:HG22	1:163:A:TYR:H	3	0.37	0.21	0.33
(1,5130)	1:161:A:VAL:HG23	1:163:A:TYR:H	3	0.37	0.21	0.33
(1,1246)	1:137:A:PRO:HG2	1:213:A:MET:HG2	3	0.37	0.12	0.33
(1,1246)	1:137:A:PRO:HG3	1:213:A:MET:HG2	3	0.37	0.12	0.33
(1,3992)	1:137:A:PRO:HG2	1:213:A:MET:HG2	3	0.37	0.12	0.33
(1,3992)	1:137:A:PRO:HG3	1:213:A:MET:HG2	3	0.37	0.12	0.33
(1,244)	1:166:A:VAL:HG11	1:167:A:ASP:H	3	0.36	0.07	0.35
(1,244)	1:166:A:VAL:HG12	1:167:A:ASP:H	3	0.36	0.07	0.35
(1,244)	1:166:A:VAL:HG13	1:167:A:ASP:H	3	0.36	0.07	0.35
(1,2990)	1:166:A:VAL:HG11	1:167:A:ASP:H	3	0.36	0.07	0.35
(1,2990)	1:166:A:VAL:HG12	1:167:A:ASP:H	3	0.36	0.07	0.35
(1,2990)	1:166:A:VAL:HG13	1:167:A:ASP:H	3	0.36	0.07	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1571)	1:139:A:ILE:HG12	1:209:A:VAL:HA	3	0.34	0.08	0.38
(1,4317)	1:139:A:ILE:HG12	1:209:A:VAL:HA	3	0.34	0.08	0.38
(1,58)	1:210:A:VAL:HG11	1:213:A:MET:H	3	0.32	0.11	0.39
(1,58)	1:210:A:VAL:HG12	1:213:A:MET:H	3	0.32	0.11	0.39
(1,58)	1:210:A:VAL:HG13	1:213:A:MET:H	3	0.32	0.11	0.39
(1,2804)	1:210:A:VAL:HG11	1:213:A:MET:H	3	0.32	0.11	0.39
(1,2804)	1:210:A:VAL:HG12	1:213:A:MET:H	3	0.32	0.11	0.39
(1,2804)	1:210:A:VAL:HG13	1:213:A:MET:H	3	0.32	0.11	0.39
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	3	0.32	0.04	0.33
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	3	0.32	0.04	0.33
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	3	0.32	0.04	0.33
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	3	0.32	0.04	0.33
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	3	0.32	0.04	0.33
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	3	0.32	0.04	0.33
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	3	0.32	0.04	0.33
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	3	0.32	0.04	0.33
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	3	0.32	0.04	0.33
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	3	0.32	0.04	0.33
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	3	0.32	0.04	0.33
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	3	0.32	0.04	0.33
(1,1743)	1:165:A:PRO:HB3	1:166:A:VAL:H	3	0.25	0.06	0.28
(1,4489)	1:165:A:PRO:HB3	1:166:A:VAL:H	3	0.25	0.06	0.28
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	3	0.25	0.11	0.26
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	3	0.25	0.11	0.26
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	3	0.25	0.11	0.26
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	3	0.25	0.11	0.26
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	3	0.25	0.11	0.26
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	3	0.25	0.11	0.26
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	3	0.25	0.11	0.26
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	3	0.25	0.11	0.26
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	3	0.25	0.11	0.26
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	3	0.25	0.11	0.26
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	3	0.25	0.11	0.26
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	3	0.25	0.11	0.26
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	3	0.25	0.08	0.25
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	3	0.25	0.08	0.25
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	3	0.25	0.08	0.25
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	3	0.25	0.08	0.25
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	3	0.25	0.08	0.25
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	3	0.25	0.08	0.25
(1,1334)	1:200:A:GLU:HG2	1:203:A:VAL:HB	3	0.25	0.09	0.2
(1,4080)	1:200:A:GLU:HG2	1:203:A:VAL:HB	3	0.25	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,609)	1:166:A:VAL:HB	1:170:A:SER:HB3	3	0.24	0.05	0.23
(1,1616)	1:141:A:PHE:H	1:142:A:GLY:HA3	3	0.24	0.09	0.23
(1,3355)	1:166:A:VAL:HB	1:170:A:SER:HB3	3	0.24	0.05	0.23
(1,4362)	1:141:A:PHE:H	1:142:A:GLY:HA3	3	0.24	0.09	0.23
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	3	0.2	0.05	0.23
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	3	0.2	0.05	0.23
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	3	0.2	0.05	0.23
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	3	0.2	0.05	0.23
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	3	0.2	0.05	0.23
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	3	0.2	0.05	0.23
(1,657)	1:191:A:THR:HA	1:194:A:LYS:HB3	3	0.17	0.05	0.17
(1,3403)	1:191:A:THR:HA	1:194:A:LYS:HB3	3	0.17	0.05	0.17
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	3	0.12	0.0	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	3	0.12	0.0	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	3	0.12	0.0	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	3	0.12	0.0	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	3	0.12	0.0	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	3	0.12	0.0	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	3	0.12	0.0	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	3	0.12	0.0	0.12
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE1	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE2	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE3	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE1	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE2	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE3	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE1	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE2	3	0.12	0.01	0.12
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE3	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE1	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE2	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE3	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE1	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE2	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE3	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE1	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE2	3	0.12	0.01	0.12
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE3	3	0.12	0.01	0.12
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	3	0.11	0.0	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	3	0.11	0.0	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	3	0.11	0.0	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	3	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	3	0.11	0.0	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	3	0.11	0.0	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE1	3	0.11	0.0	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE2	3	0.11	0.0	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE3	3	0.11	0.0	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	3	0.11	0.0	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	3	0.11	0.0	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	3	0.11	0.0	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	3	0.11	0.0	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	3	0.11	0.0	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	3	0.11	0.0	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE1	3	0.11	0.0	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE2	3	0.11	0.0	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE3	3	0.11	0.0	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE1	3	0.11	0.0	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE2	3	0.11	0.0	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE3	3	0.11	0.0	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE1	3	0.11	0.0	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE2	3	0.11	0.0	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE3	3	0.11	0.0	0.11
(1,269)	1:199:A:THR:HG21	1:200:A:GLU:HA	3	0.1	0.0	0.1
(1,269)	1:199:A:THR:HG22	1:200:A:GLU:HA	3	0.1	0.0	0.1
(1,269)	1:199:A:THR:HG23	1:200:A:GLU:HA	3	0.1	0.0	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD11	3	0.1	0.0	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD12	3	0.1	0.0	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD13	3	0.1	0.0	0.1
(1,1865)	1:191:A:THR:HB	1:197:A:ASN:H	3	0.1	0.0	0.1
(1,3015)	1:199:A:THR:HG21	1:200:A:GLU:HA	3	0.1	0.0	0.1
(1,3015)	1:199:A:THR:HG22	1:200:A:GLU:HA	3	0.1	0.0	0.1
(1,3015)	1:199:A:THR:HG23	1:200:A:GLU:HA	3	0.1	0.0	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD11	3	0.1	0.0	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD12	3	0.1	0.0	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD13	3	0.1	0.0	0.1
(1,4611)	1:191:A:THR:HB	1:197:A:ASN:H	3	0.1	0.0	0.1
(1,1695)	1:229:A:ARG:HG2	1:230:A:ARG:H	3	0.1	0.0	0.1
(1,1695)	1:229:A:ARG:HG3	1:230:A:ARG:H	3	0.1	0.0	0.1
(1,2116)	1:166:A:VAL:HG21	1:170:A:SER:H	3	0.1	0.0	0.1
(1,2116)	1:166:A:VAL:HG22	1:170:A:SER:H	3	0.1	0.0	0.1
(1,2116)	1:166:A:VAL:HG23	1:170:A:SER:H	3	0.1	0.0	0.1
(1,4441)	1:229:A:ARG:HG2	1:230:A:ARG:H	3	0.1	0.0	0.1
(1,4441)	1:229:A:ARG:HG3	1:230:A:ARG:H	3	0.1	0.0	0.1
(1,4862)	1:166:A:VAL:HG21	1:170:A:SER:H	3	0.1	0.0	0.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4862)	1:166:A:VAL:HG22	1:170:A:SER:H	3	0.1	0.0	0.1
(1,4862)	1:166:A:VAL:HG23	1:170:A:SER:H	3	0.1	0.0	0.1
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG21	2	1.44	0.2	1.44
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG22	2	1.44	0.2	1.44
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG23	2	1.44	0.2	1.44
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG21	2	1.44	0.2	1.44
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG22	2	1.44	0.2	1.44
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG23	2	1.44	0.2	1.44
(1,1398)	1:154:A:MET:HG3	1:155:A:TYR:HB2	2	1.18	0.21	1.18
(1,4144)	1:154:A:MET:HG3	1:155:A:TYR:HB2	2	1.18	0.21	1.18
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG11	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG12	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG13	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG11	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG12	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG13	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG11	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG12	2	1.08	0.04	1.08
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG13	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG11	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG12	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG13	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG11	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG12	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG13	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG11	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG12	2	1.08	0.04	1.08
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG13	2	1.08	0.04	1.08
(1,1396)	1:154:A:MET:HG3	1:155:A:TYR:HE1	2	1.0	0.22	1.0
(1,1396)	1:154:A:MET:HG3	1:155:A:TYR:HE2	2	1.0	0.22	1.0
(1,4142)	1:154:A:MET:HG3	1:155:A:TYR:HE1	2	1.0	0.22	1.0
(1,4142)	1:154:A:MET:HG3	1:155:A:TYR:HE2	2	1.0	0.22	1.0
(1,2379)	1:172:A:GLN:HE22	1:219:A:GLN:HE22	2	0.88	0.44	0.88
(1,5125)	1:172:A:GLN:HE22	1:219:A:GLN:HE22	2	0.88	0.44	0.88
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG21	2	0.84	0.05	0.84
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG22	2	0.84	0.05	0.84
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG23	2	0.84	0.05	0.84
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG21	2	0.84	0.05	0.84
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG22	2	0.84	0.05	0.84
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG23	2	0.84	0.05	0.84
(1,2332)	1:172:A:GLN:HE21	1:215:A:VAL:HB	2	0.82	0.1	0.82
(1,5078)	1:172:A:GLN:HE21	1:215:A:VAL:HB	2	0.82	0.1	0.82

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2324)	1:172:A:GLN:HE22	1:218:A:TYR:HE1	2	0.82	0.0	0.82
(1,2324)	1:172:A:GLN:HE22	1:218:A:TYR:HE2	2	0.82	0.0	0.82
(1,5070)	1:172:A:GLN:HE22	1:218:A:TYR:HE1	2	0.82	0.0	0.82
(1,5070)	1:172:A:GLN:HE22	1:218:A:TYR:HE2	2	0.82	0.0	0.82
(1,1012)	1:200:A:GLU:HG3	1:204:A:LYS:HB2	2	0.82	0.55	0.82
(1,3758)	1:200:A:GLU:HG3	1:204:A:LYS:HB2	2	0.82	0.55	0.82
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG21	2	0.82	0.38	0.82
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG22	2	0.82	0.38	0.82
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG23	2	0.82	0.38	0.82
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG21	2	0.82	0.38	0.82
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG22	2	0.82	0.38	0.82
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG23	2	0.82	0.38	0.82
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG11	2	0.81	0.12	0.81
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG12	2	0.81	0.12	0.81
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG13	2	0.81	0.12	0.81
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG11	2	0.81	0.12	0.81
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG12	2	0.81	0.12	0.81
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG13	2	0.81	0.12	0.81
(1,2628)	1:141:A:PHE:HZ	1:208:A:ARG:HB3	2	0.74	0.52	0.74
(1,5374)	1:141:A:PHE:HZ	1:208:A:ARG:HB3	2	0.74	0.52	0.74
(1,976)	1:148:A:ARG:HA	1:152:A:GLU:HG3	2	0.64	0.43	0.64
(1,3722)	1:148:A:ARG:HA	1:152:A:GLU:HG3	2	0.64	0.43	0.64
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB1	2	0.57	0.07	0.57
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB2	2	0.57	0.07	0.57
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB3	2	0.57	0.07	0.57
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB1	2	0.57	0.07	0.57
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB2	2	0.57	0.07	0.57
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB3	2	0.57	0.07	0.57
(1,878)	1:151:A:ARG:HA	1:154:A:MET:HG2	2	0.52	0.22	0.52
(1,2698)	1:125:A:LEU:HD21	1:128:A:TYR:HE1	2	0.52	0.4	0.52
(1,2698)	1:125:A:LEU:HD21	1:128:A:TYR:HE2	2	0.52	0.4	0.52
(1,2698)	1:125:A:LEU:HD22	1:128:A:TYR:HE1	2	0.52	0.4	0.52
(1,2698)	1:125:A:LEU:HD22	1:128:A:TYR:HE2	2	0.52	0.4	0.52
(1,2698)	1:125:A:LEU:HD23	1:128:A:TYR:HE1	2	0.52	0.4	0.52
(1,2698)	1:125:A:LEU:HD23	1:128:A:TYR:HE2	2	0.52	0.4	0.52
(1,3624)	1:151:A:ARG:HA	1:154:A:MET:HG2	2	0.52	0.22	0.52
(1,5444)	1:125:A:LEU:HD21	1:128:A:TYR:HE1	2	0.52	0.4	0.52
(1,5444)	1:125:A:LEU:HD21	1:128:A:TYR:HE2	2	0.52	0.4	0.52
(1,5444)	1:125:A:LEU:HD22	1:128:A:TYR:HE1	2	0.52	0.4	0.52
(1,5444)	1:125:A:LEU:HD22	1:128:A:TYR:HE2	2	0.52	0.4	0.52
(1,5444)	1:125:A:LEU:HD23	1:128:A:TYR:HE1	2	0.52	0.4	0.52
(1,5444)	1:125:A:LEU:HD23	1:128:A:TYR:HE2	2	0.52	0.4	0.52

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1261)	1:194:A:LYS:HB3	1:196:A:GLU:H	2	0.48	0.24	0.48
(1,4007)	1:194:A:LYS:HB3	1:196:A:GLU:H	2	0.48	0.24	0.48
(1,1318)	1:138:A:MET:H	1:138:A:MET:HG2	2	0.48	0.01	0.48
(1,4064)	1:138:A:MET:H	1:138:A:MET:HG2	2	0.48	0.01	0.48
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG11	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG12	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG13	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG11	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG12	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG13	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG11	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG12	2	0.44	0.2	0.44
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG13	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG11	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG12	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG13	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG11	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG12	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG13	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG11	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG12	2	0.44	0.2	0.44
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG13	2	0.44	0.2	0.44
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG21	2	0.42	0.01	0.42
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG22	2	0.42	0.01	0.42
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG23	2	0.42	0.01	0.42
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG21	2	0.42	0.01	0.42
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG22	2	0.42	0.01	0.42
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG23	2	0.42	0.01	0.42
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG11	2	0.42	0.15	0.42
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG12	2	0.42	0.15	0.42
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG13	2	0.42	0.15	0.42
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG11	2	0.42	0.15	0.42
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG12	2	0.42	0.15	0.42
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG13	2	0.42	0.15	0.42
(1,1022)	1:200:A:GLU:HG3	1:204:A:LYS:HE2	2	0.4	0.0	0.4
(1,1022)	1:200:A:GLU:HG3	1:204:A:LYS:HE3	2	0.4	0.0	0.4
(1,3768)	1:200:A:GLU:HG3	1:204:A:LYS:HE2	2	0.4	0.0	0.4
(1,3768)	1:200:A:GLU:HG3	1:204:A:LYS:HE3	2	0.4	0.0	0.4
(1,164)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	2	0.4	0.03	0.4
(1,164)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	2	0.4	0.03	0.4
(1,164)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	2	0.4	0.03	0.4
(1,164)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	2	0.4	0.03	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,164)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	2	0.4	0.03	0.4
(1,164)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	2	0.4	0.03	0.4
(1,2910)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	2	0.4	0.03	0.4
(1,2910)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	2	0.4	0.03	0.4
(1,2910)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	2	0.4	0.03	0.4
(1,2910)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	2	0.4	0.03	0.4
(1,2910)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	2	0.4	0.03	0.4
(1,2910)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	2	0.4	0.03	0.4
(1,132)	1:126:A:GLY:HA3	1:128:A:TYR:HD1	2	0.39	0.05	0.39
(1,132)	1:126:A:GLY:HA3	1:128:A:TYR:HD2	2	0.39	0.05	0.39
(1,2878)	1:126:A:GLY:HA3	1:128:A:TYR:HD1	2	0.39	0.05	0.39
(1,2878)	1:126:A:GLY:HA3	1:128:A:TYR:HD2	2	0.39	0.05	0.39
(1,1248)	1:161:A:VAL:HG11	1:213:A:MET:HG2	2	0.37	0.16	0.37
(1,1248)	1:161:A:VAL:HG12	1:213:A:MET:HG2	2	0.37	0.16	0.37
(1,1248)	1:161:A:VAL:HG13	1:213:A:MET:HG2	2	0.37	0.16	0.37
(1,3994)	1:161:A:VAL:HG11	1:213:A:MET:HG2	2	0.37	0.16	0.37
(1,3994)	1:161:A:VAL:HG12	1:213:A:MET:HG2	2	0.37	0.16	0.37
(1,3994)	1:161:A:VAL:HG13	1:213:A:MET:HG2	2	0.37	0.16	0.37
(1,457)	1:141:A:PHE:HE1	1:208:A:ARG:HD3	2	0.32	0.15	0.32
(1,457)	1:141:A:PHE:HE2	1:208:A:ARG:HD3	2	0.32	0.15	0.32
(1,3203)	1:141:A:PHE:HE1	1:208:A:ARG:HD3	2	0.32	0.15	0.32
(1,3203)	1:141:A:PHE:HE2	1:208:A:ARG:HD3	2	0.32	0.15	0.32
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG11	2	0.3	0.11	0.3
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG12	2	0.3	0.11	0.3
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG13	2	0.3	0.11	0.3
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG11	2	0.3	0.11	0.3
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG12	2	0.3	0.11	0.3
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG13	2	0.3	0.11	0.3
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG21	2	0.3	0.01	0.3
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG22	2	0.3	0.01	0.3
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG23	2	0.3	0.01	0.3
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG21	2	0.3	0.01	0.3
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG22	2	0.3	0.01	0.3
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG23	2	0.3	0.01	0.3
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG21	2	0.3	0.01	0.3
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG22	2	0.3	0.01	0.3
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG23	2	0.3	0.01	0.3
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG21	2	0.3	0.01	0.3
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG22	2	0.3	0.01	0.3
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG23	2	0.3	0.01	0.3
(1,1083)	1:168:A:GLN:HA	1:225:A:TYR:HE1	2	0.28	0.04	0.28
(1,1083)	1:168:A:GLN:HA	1:225:A:TYR:HE2	2	0.28	0.04	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3829)	1:168:A:GLN:HA	1:225:A:TYR:HE1	2	0.28	0.04	0.28
(1,3829)	1:168:A:GLN:HA	1:225:A:TYR:HE2	2	0.28	0.04	0.28
(1,1316)	1:136:A:ARG:HA	1:136:A:ARG:HD3	2	0.22	0.01	0.22
(1,4062)	1:136:A:ARG:HA	1:136:A:ARG:HD3	2	0.22	0.01	0.22
(1,258)	1:215:A:VAL:HA	1:218:A:TYR:HB2	2	0.22	0.02	0.22
(1,3004)	1:215:A:VAL:HA	1:218:A:TYR:HB2	2	0.22	0.02	0.22
(1,1200)	1:168:A:GLN:HG2	1:169:A:ALA:HA	2	0.21	0.02	0.21
(1,3946)	1:168:A:GLN:HG2	1:169:A:ALA:HA	2	0.21	0.02	0.21
(1,240)	1:131:A:GLY:HA2	1:163:A:TYR:HD1	2	0.2	0.02	0.2
(1,240)	1:131:A:GLY:HA2	1:163:A:TYR:HD2	2	0.2	0.02	0.2
(1,2986)	1:131:A:GLY:HA2	1:163:A:TYR:HD1	2	0.2	0.02	0.2
(1,2986)	1:131:A:GLY:HA2	1:163:A:TYR:HD2	2	0.2	0.02	0.2
(1,1085)	1:168:A:GLN:HA	1:168:A:GLN:HB3	2	0.18	0.0	0.18
(1,3831)	1:168:A:GLN:HA	1:168:A:GLN:HB3	2	0.18	0.0	0.18
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG21	2	0.17	0.01	0.17
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG22	2	0.17	0.01	0.17
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG23	2	0.17	0.01	0.17
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG21	2	0.17	0.01	0.17
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG22	2	0.17	0.01	0.17
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG23	2	0.17	0.01	0.17
(1,2012)	1:170:A:SER:HB2	1:171:A:ASN:H	2	0.16	0.06	0.16
(1,4758)	1:170:A:SER:HB2	1:171:A:ASN:H	2	0.16	0.06	0.16
(1,1169)	1:133:A:ALA:HB1	1:160:A:GLN:HB2	2	0.16	0.04	0.16
(1,1169)	1:133:A:ALA:HB2	1:160:A:GLN:HB2	2	0.16	0.04	0.16
(1,1169)	1:133:A:ALA:HB3	1:160:A:GLN:HB2	2	0.16	0.04	0.16
(1,3915)	1:133:A:ALA:HB1	1:160:A:GLN:HB2	2	0.16	0.04	0.16
(1,3915)	1:133:A:ALA:HB2	1:160:A:GLN:HB2	2	0.16	0.04	0.16
(1,3915)	1:133:A:ALA:HB3	1:160:A:GLN:HB2	2	0.16	0.04	0.16
(1,600)	1:132:A:SER:HB3	1:160:A:GLN:HG2	2	0.16	0.04	0.16
(1,1504)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	2	0.16	0.01	0.16
(1,3346)	1:132:A:SER:HB3	1:160:A:GLN:HG2	2	0.16	0.04	0.16
(1,4250)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	2	0.16	0.01	0.16
(1,402)	1:151:A:ARG:H	1:151:A:ARG:HD3	2	0.14	0.03	0.14
(1,3148)	1:151:A:ARG:H	1:151:A:ARG:HD3	2	0.14	0.03	0.14
(1,1262)	1:194:A:LYS:HB3	1:195:A:GLY:H	2	0.13	0.0	0.13
(1,4008)	1:194:A:LYS:HB3	1:195:A:GLY:H	2	0.13	0.0	0.13
(1,1585)	1:136:A:ARG:H	1:136:A:ARG:HB2	2	0.12	0.01	0.12
(1,2284)	1:132:A:SER:H	1:132:A:SER:HB2	2	0.12	0.01	0.12
(1,2416)	1:127:A:GLY:H	1:127:A:GLY:HA2	2	0.12	0.01	0.12
(1,4331)	1:136:A:ARG:H	1:136:A:ARG:HB2	2	0.12	0.01	0.12
(1,5030)	1:132:A:SER:H	1:132:A:SER:HB2	2	0.12	0.01	0.12
(1,5162)	1:127:A:GLY:H	1:127:A:GLY:HA2	2	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,284)	1:193:A:THR:HG21	1:194:A:LYS:HD2	2	0.11	0.0	0.11
(1,284)	1:193:A:THR:HG21	1:194:A:LYS:HD3	2	0.11	0.0	0.11
(1,284)	1:193:A:THR:HG22	1:194:A:LYS:HD2	2	0.11	0.0	0.11
(1,284)	1:193:A:THR:HG22	1:194:A:LYS:HD3	2	0.11	0.0	0.11
(1,284)	1:193:A:THR:HG23	1:194:A:LYS:HD2	2	0.11	0.0	0.11
(1,284)	1:193:A:THR:HG23	1:194:A:LYS:HD3	2	0.11	0.0	0.11
(1,356)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,356)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,356)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,356)	1:122:A:VAL:HG21	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,356)	1:122:A:VAL:HG22	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,356)	1:122:A:VAL:HG23	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,612)	1:132:A:SER:HB2	1:133:A:ALA:H	2	0.11	0.0	0.11
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE1	2	0.11	0.01	0.11
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE2	2	0.11	0.01	0.11
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE3	2	0.11	0.01	0.11
(1,1900)	1:225:A:TYR:H	1:229:A:ARG:HG2	2	0.11	0.0	0.11
(1,1900)	1:225:A:TYR:H	1:229:A:ARG:HG3	2	0.11	0.0	0.11
(1,2493)	1:226:A:TYR:HD1	1:229:A:ARG:HG2	2	0.11	0.0	0.11
(1,2493)	1:226:A:TYR:HD1	1:229:A:ARG:HG3	2	0.11	0.0	0.11
(1,2493)	1:226:A:TYR:HD2	1:229:A:ARG:HG2	2	0.11	0.0	0.11
(1,2493)	1:226:A:TYR:HD2	1:229:A:ARG:HG3	2	0.11	0.0	0.11
(1,3030)	1:193:A:THR:HG21	1:194:A:LYS:HD2	2	0.11	0.0	0.11
(1,3030)	1:193:A:THR:HG21	1:194:A:LYS:HD3	2	0.11	0.0	0.11
(1,3030)	1:193:A:THR:HG22	1:194:A:LYS:HD2	2	0.11	0.0	0.11
(1,3030)	1:193:A:THR:HG22	1:194:A:LYS:HD3	2	0.11	0.0	0.11
(1,3030)	1:193:A:THR:HG23	1:194:A:LYS:HD2	2	0.11	0.0	0.11
(1,3030)	1:193:A:THR:HG23	1:194:A:LYS:HD3	2	0.11	0.0	0.11
(1,3102)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,3102)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,3102)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,3102)	1:122:A:VAL:HG21	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,3102)	1:122:A:VAL:HG22	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,3102)	1:122:A:VAL:HG23	1:125:A:LEU:HB3	2	0.11	0.0	0.11
(1,3358)	1:132:A:SER:HB2	1:133:A:ALA:H	2	0.11	0.0	0.11
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE1	2	0.11	0.01	0.11
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE2	2	0.11	0.01	0.11
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE3	2	0.11	0.01	0.11
(1,4646)	1:225:A:TYR:H	1:229:A:ARG:HG2	2	0.11	0.0	0.11
(1,4646)	1:225:A:TYR:H	1:229:A:ARG:HG3	2	0.11	0.0	0.11
(1,5239)	1:226:A:TYR:HD1	1:229:A:ARG:HG2	2	0.11	0.0	0.11
(1,5239)	1:226:A:TYR:HD1	1:229:A:ARG:HG3	2	0.11	0.0	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5239)	1:226:A:TYR:HD2	1:229:A:ARG:HG2	2	0.11	0.0	0.11
(1,5239)	1:226:A:TYR:HD2	1:229:A:ARG:HG3	2	0.11	0.0	0.11
(1,419)	1:148:A:ARG:HD2	1:149:A:TYR:HA	2	0.11	0.0	0.11
(1,419)	1:148:A:ARG:HD3	1:149:A:TYR:HA	2	0.11	0.0	0.11
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE1	2	0.11	0.0	0.11
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE2	2	0.11	0.0	0.11
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE3	2	0.11	0.0	0.11
(1,2305)	1:192:A:THR:HG21	1:197:A:ASN:HD21	2	0.11	0.0	0.11
(1,2305)	1:192:A:THR:HG22	1:197:A:ASN:HD21	2	0.11	0.0	0.11
(1,2305)	1:192:A:THR:HG23	1:197:A:ASN:HD21	2	0.11	0.0	0.11
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG11	2	0.11	0.0	0.11
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG12	2	0.11	0.0	0.11
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG13	2	0.11	0.0	0.11
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG11	2	0.11	0.0	0.11
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG12	2	0.11	0.0	0.11
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG13	2	0.11	0.0	0.11
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE1	2	0.11	0.0	0.11
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE2	2	0.11	0.0	0.11
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE3	2	0.11	0.0	0.11
(1,2715)	1:171:A:ASN:HA	1:218:A:TYR:HE1	2	0.11	0.0	0.11
(1,2715)	1:171:A:ASN:HA	1:218:A:TYR:HE2	2	0.11	0.0	0.11
(1,3165)	1:148:A:ARG:HD2	1:149:A:TYR:HA	2	0.11	0.0	0.11
(1,3165)	1:148:A:ARG:HD3	1:149:A:TYR:HA	2	0.11	0.0	0.11
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE1	2	0.11	0.0	0.11
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE2	2	0.11	0.0	0.11
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE3	2	0.11	0.0	0.11
(1,5051)	1:192:A:THR:HG21	1:197:A:ASN:HD21	2	0.11	0.0	0.11
(1,5051)	1:192:A:THR:HG22	1:197:A:ASN:HD21	2	0.11	0.0	0.11
(1,5051)	1:192:A:THR:HG23	1:197:A:ASN:HD21	2	0.11	0.0	0.11
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG11	2	0.11	0.0	0.11
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG12	2	0.11	0.0	0.11
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG13	2	0.11	0.0	0.11
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG11	2	0.11	0.0	0.11
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG12	2	0.11	0.0	0.11
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG13	2	0.11	0.0	0.11
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE1	2	0.11	0.0	0.11
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE2	2	0.11	0.0	0.11
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE3	2	0.11	0.0	0.11
(1,5461)	1:171:A:ASN:HA	1:218:A:TYR:HE1	2	0.11	0.0	0.11
(1,5461)	1:171:A:ASN:HA	1:218:A:TYR:HE2	2	0.11	0.0	0.11
(1,1123)	1:172:A:GLN:HG2	1:218:A:TYR:HE1	2	0.1	0.0	0.1
(1,1123)	1:172:A:GLN:HG2	1:218:A:TYR:HE2	2	0.1	0.0	0.1

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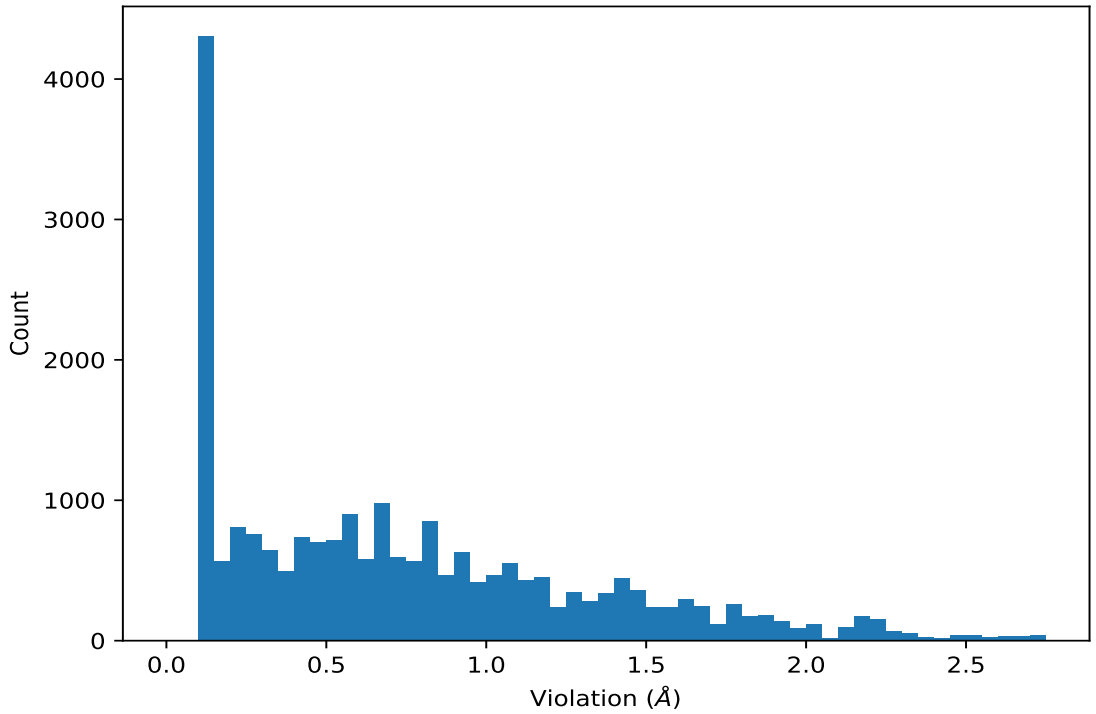
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG21	2	0.1	0.0	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG22	2	0.1	0.0	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG23	2	0.1	0.0	0.1
(1,1347)	1:210:A:VAL:HB	1:211:A:GLU:H	2	0.1	0.0	0.1
(1,2144)	1:191:A:THR:HG21	1:193:A:THR:H	2	0.1	0.0	0.1
(1,2144)	1:191:A:THR:HG22	1:193:A:THR:H	2	0.1	0.0	0.1
(1,2144)	1:191:A:THR:HG23	1:193:A:THR:H	2	0.1	0.0	0.1
(1,2203)	1:210:A:VAL:HG21	1:212:A:GLN:H	2	0.1	0.0	0.1
(1,2203)	1:210:A:VAL:HG22	1:212:A:GLN:H	2	0.1	0.0	0.1
(1,2203)	1:210:A:VAL:HG23	1:212:A:GLN:H	2	0.1	0.0	0.1
(1,2485)	1:225:A:TYR:H	1:226:A:TYR:HD1	2	0.1	0.0	0.1
(1,2485)	1:225:A:TYR:H	1:226:A:TYR:HD2	2	0.1	0.0	0.1
(1,3869)	1:172:A:GLN:HG2	1:218:A:TYR:HE1	2	0.1	0.0	0.1
(1,3869)	1:172:A:GLN:HG2	1:218:A:TYR:HE2	2	0.1	0.0	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG21	2	0.1	0.0	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG22	2	0.1	0.0	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG23	2	0.1	0.0	0.1
(1,4093)	1:210:A:VAL:HB	1:211:A:GLU:H	2	0.1	0.0	0.1
(1,4890)	1:191:A:THR:HG21	1:193:A:THR:H	2	0.1	0.0	0.1
(1,4890)	1:191:A:THR:HG22	1:193:A:THR:H	2	0.1	0.0	0.1
(1,4890)	1:191:A:THR:HG23	1:193:A:THR:H	2	0.1	0.0	0.1
(1,4949)	1:210:A:VAL:HG21	1:212:A:GLN:H	2	0.1	0.0	0.1
(1,4949)	1:210:A:VAL:HG22	1:212:A:GLN:H	2	0.1	0.0	0.1
(1,4949)	1:210:A:VAL:HG23	1:212:A:GLN:H	2	0.1	0.0	0.1
(1,5231)	1:225:A:TYR:H	1:226:A:TYR:HD1	2	0.1	0.0	0.1
(1,5231)	1:225:A:TYR:H	1:226:A:TYR:HD2	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)
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	17	2.73
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	17	2.73
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	17	2.73
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	6	2.73
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	6	2.73
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	6	2.73
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	17	2.73
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	17	2.73
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	17	2.73
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	6	2.73
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	6	2.73
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	6	2.73
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	11	2.72
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	11	2.72
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	11	2.72
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	11	2.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	11	2.72
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	11	2.72
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	1	2.71
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	1	2.71
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	1	2.71
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	2	2.71
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	2	2.71
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	2	2.71
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	1	2.71
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	1	2.71
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	1	2.71
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	2	2.71
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	2	2.71
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	2	2.71
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	4	2.7
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	4	2.7
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	4	2.7
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	20	2.7
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	20	2.7
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	20	2.7
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	4	2.7
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	4	2.7
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	4	2.7
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	20	2.7
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	20	2.7
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	20	2.7
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	10	2.69
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	10	2.69
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	10	2.69
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	14	2.69
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	14	2.69
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	14	2.69
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	10	2.69
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	10	2.69
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	10	2.69
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	14	2.69
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	14	2.69
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	14	2.69
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	3	2.68
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	3	2.68
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	3	2.68
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	8	2.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	8	2.68
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	8	2.68
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	3	2.68
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	3	2.68
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	3	2.68
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	8	2.68
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	8	2.68
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	8	2.68
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	6	2.67
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	6	2.67
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	6	2.67
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	6	2.67
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	6	2.67
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	6	2.67
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	5	2.65
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	5	2.65
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	5	2.65
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	17	2.65
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	17	2.65
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	17	2.65
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	5	2.65
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	5	2.65
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	5	2.65
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	17	2.65
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	17	2.65
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	17	2.65
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	14	2.64
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	14	2.64
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	14	2.64
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	14	2.64
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	14	2.64
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	14	2.64
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	3	2.62
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	3	2.62
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	3	2.62
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	3	2.62
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	3	2.62
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	3	2.62
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	9	2.61
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	9	2.61
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	9	2.61
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	9	2.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	9	2.61
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	9	2.61
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	13	2.59
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	13	2.59
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	13	2.59
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	13	2.59
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	13	2.59
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	13	2.59
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	15	2.58
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	15	2.58
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	15	2.58
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	15	2.58
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	15	2.58
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	15	2.58
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	7	2.56
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	7	2.56
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	7	2.56
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	12	2.56
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	12	2.56
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	12	2.56
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	7	2.56
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	7	2.56
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	7	2.56
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	12	2.56
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	12	2.56
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	12	2.56
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	5	2.55
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	5	2.55
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	5	2.55
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	4	2.55
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	4	2.55
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	4	2.55
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	5	2.55
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	5	2.55
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	5	2.55
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	4	2.55
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	4	2.55
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	4	2.55
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	8	2.54
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	8	2.54
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	8	2.54
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	16	2.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	16	2.54
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	16	2.54
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	3	2.54
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	3	2.54
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	3	2.54
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	8	2.54
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	8	2.54
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	8	2.54
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	16	2.54
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	16	2.54
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	16	2.54
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	3	2.54
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	3	2.54
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	3	2.54
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	11	2.53
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	11	2.53
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	11	2.53
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	11	2.53
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	11	2.53
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	11	2.53
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	13	2.52
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	13	2.52
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	13	2.52
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	13	2.52
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	13	2.52
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	13	2.52
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	13	2.49
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	13	2.49
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	13	2.49
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	9	2.49
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	9	2.49
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	9	2.49
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	13	2.49
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	13	2.49
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	13	2.49
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	9	2.49
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	9	2.49
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	9	2.49
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	16	2.48
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	16	2.48
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	16	2.48
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	16	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	16	2.48
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	16	2.48
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	17	2.47
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	17	2.47
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	17	2.47
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	17	2.47
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	17	2.47
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	17	2.47
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	1	2.45
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	1	2.45
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	1	2.45
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	9	2.45
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	9	2.45
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	9	2.45
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	1	2.45
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	1	2.45
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	1	2.45
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	9	2.45
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	9	2.45
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	9	2.45
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	11	2.42
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	11	2.42
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	11	2.42
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	11	2.42
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	11	2.42
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	11	2.42
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	20	2.41
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	20	2.41
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	20	2.41
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	6	2.41
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	6	2.41
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	6	2.41
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	20	2.41
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	20	2.41
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	20	2.41
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	6	2.41
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	6	2.41
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	6	2.41
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	19	2.4
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	19	2.4
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	19	2.4
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	19	2.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	19	2.4
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	19	2.4
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	7	2.37
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	7	2.37
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	7	2.37
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	7	2.37
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	7	2.37
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	7	2.37
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	4	2.36
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	4	2.36
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	4	2.36
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	17	2.36
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	17	2.36
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	17	2.36
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	4	2.36
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	4	2.36
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	4	2.36
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	17	2.36
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	17	2.36
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	17	2.36
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	2.34
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	2.34
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	2.34
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	2.34
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	2.34
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	2.34
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	2	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	2	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	2	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	4	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	4	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	4	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	8	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	8	2.33
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	8	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	2	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	2	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	2	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	4	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	4	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	4	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	8	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	8	2.33
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	8	2.33
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	1	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	1	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	1	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	10	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	10	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	10	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	19	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	19	2.32
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	19	2.32
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	5	2.32
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	5	2.32
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	5	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	1	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	1	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	1	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	10	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	10	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	10	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	19	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	19	2.32
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	19	2.32
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	5	2.32
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	5	2.32
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	5	2.32
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	1	2.31
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	1	2.31
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	1	2.31
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	1	2.31
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	1	2.31
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	1	2.31
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	2	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	2	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	2	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	13	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	13	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	13	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	20	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	20	2.3
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	20	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	2	2.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	2	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	2	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	13	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	13	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	13	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	20	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	20	2.3
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	20	2.3
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	10	2.29
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	10	2.29
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	10	2.29
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	10	2.29
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	10	2.29
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	10	2.29
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	16	2.27
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	16	2.27
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	16	2.27
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	16	2.27
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	16	2.27
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	16	2.27
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	10	2.26
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	10	2.26
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	10	2.26
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	10	2.26
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	10	2.26
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	10	2.26
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	10	2.26
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	10	2.26
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	10	2.26
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	15	2.26
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	15	2.26
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	15	2.26
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	10	2.26
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	10	2.26
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	10	2.26
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	10	2.26
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	10	2.26
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	10	2.26
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	10	2.26
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	10	2.26
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	10	2.26
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	15	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	15	2.26
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	15	2.26
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG11	19	2.25
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG12	19	2.25
(1,4356)	1:139:A:ILE:H	1:209:A:VAL:HG13	19	2.25
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	6	2.25
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	6	2.25
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	6	2.25
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG11	19	2.25
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG12	19	2.25
(1,1610)	1:139:A:ILE:H	1:209:A:VAL:HG13	19	2.25
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	6	2.25
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	6	2.25
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	6	2.25
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	3	2.24
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	3	2.24
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	3	2.24
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	8	2.24
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	8	2.24
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	8	2.24
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	16	2.24
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	16	2.24
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	16	2.24
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	3	2.24
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	3	2.24
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	3	2.24
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	8	2.24
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	8	2.24
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	8	2.24
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	16	2.24
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	16	2.24
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	16	2.24
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	20	2.23
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	20	2.23
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	20	2.23
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	7	2.23
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	7	2.23
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	7	2.23
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	7	2.23
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	7	2.23
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	7	2.23
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	7	2.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	7	2.23
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	7	2.23
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	20	2.23
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	20	2.23
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	20	2.23
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	20	2.23
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	20	2.23
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	20	2.23
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	7	2.23
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	7	2.23
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	7	2.23
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	7	2.23
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	7	2.23
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	7	2.23
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	7	2.23
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	7	2.23
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	7	2.23
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	20	2.23
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	20	2.23
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	20	2.23
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	1	2.22
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	1	2.22
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	1	2.22
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	1	2.22
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	1	2.22
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	1	2.22
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	1	2.22
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	1	2.22
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	1	2.22
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	6	2.22
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	6	2.22
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	6	2.22
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	1	2.22
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	1	2.22
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	1	2.22
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	1	2.22
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	1	2.22
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	1	2.22
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	1	2.22
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	1	2.22
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	1	2.22
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	6	2.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	6	2.22
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	6	2.22
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	14	2.21
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	14	2.21
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	14	2.21
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	14	2.21
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	14	2.21
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	14	2.21
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	8	2.21
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	8	2.21
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	8	2.21
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	14	2.21
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	14	2.21
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	14	2.21
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	14	2.21
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	14	2.21
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	14	2.21
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	8	2.21
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	8	2.21
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	8	2.21
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	17	2.2
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	17	2.2
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	17	2.2
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	17	2.2
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	17	2.2
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	17	2.2
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	17	2.2
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	17	2.2
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	17	2.2
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	2	2.2
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	2	2.2
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	2	2.2
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	2	2.2
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	2	2.2
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	2	2.2
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	2	2.2
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	2	2.2
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	2	2.2
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	2	2.2
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	2	2.2
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	2	2.2
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	14	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	14	2.2
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	14	2.2
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	14	2.2
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	14	2.2
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	14	2.2
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	14	2.2
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	14	2.2
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	14	2.2
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	14	2.2
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	14	2.2
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	14	2.2
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	17	2.2
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	17	2.2
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	17	2.2
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	17	2.2
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	17	2.2
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	17	2.2
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	17	2.2
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	17	2.2
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	17	2.2
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	2	2.2
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	2	2.2
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	2	2.2
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	2	2.2
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	2	2.2
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	2	2.2
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	2	2.2
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	2	2.2
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	2	2.2
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	2	2.2
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	2	2.2
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	2	2.2
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	14	2.2
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	14	2.2
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	14	2.2
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	14	2.2
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	14	2.2
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	14	2.2
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	14	2.2
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	14	2.2
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	14	2.2
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	14	2.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	14	2.2
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	14	2.2
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	3	2.19
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	3	2.19
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	3	2.19
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	3	2.19
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	3	2.19
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	3	2.19
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	20	2.19
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	20	2.19
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	20	2.19
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	20	2.19
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	20	2.19
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	20	2.19
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	20	2.19
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	20	2.19
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	20	2.19
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	14	2.19
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	14	2.19
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	14	2.19
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	3	2.19
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	3	2.19
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	3	2.19
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	3	2.19
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	3	2.19
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	3	2.19
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	20	2.19
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	20	2.19
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	20	2.19
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	20	2.19
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	20	2.19
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	20	2.19
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	20	2.19
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	20	2.19
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	20	2.19
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	14	2.19
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	14	2.19
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	14	2.19
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	11	2.18
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	11	2.18
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	11	2.18
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	11	2.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	11	2.18
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	11	2.18
(1,2879)	1:161:A:VAL:HG11	1:210:A:VAL:H	8	2.17
(1,2879)	1:161:A:VAL:HG12	1:210:A:VAL:H	8	2.17
(1,2879)	1:161:A:VAL:HG13	1:210:A:VAL:H	8	2.17
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	12	2.17
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	12	2.17
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	12	2.17
(1,133)	1:161:A:VAL:HG11	1:210:A:VAL:H	8	2.17
(1,133)	1:161:A:VAL:HG12	1:210:A:VAL:H	8	2.17
(1,133)	1:161:A:VAL:HG13	1:210:A:VAL:H	8	2.17
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	12	2.17
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	12	2.17
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	12	2.17
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	3	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	2	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	2	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	2	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	2	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	2	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	2	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	2	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	2	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	2	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	3	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	3	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	3	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	3	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	3	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	3	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	3	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	3	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	3	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	7	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	7	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	7	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	7	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	7	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	7	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	7	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	7	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	7	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	8	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	8	2.16
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	8	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	8	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	8	2.16
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	8	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	8	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	8	2.16
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	8	2.16
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	4	2.16
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	4	2.16
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	4	2.16
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	11	2.16
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	11	2.16
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	11	2.16
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	7	2.16
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	7	2.16
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	7	2.16
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	19	2.16
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	19	2.16
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	19	2.16
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	3	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	2	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	2	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	2	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	2	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	2	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	2	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	2	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	2	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	2	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	3	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	3	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	3	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	3	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	3	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	3	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	3	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	3	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	3	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	7	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	7	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	7	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	7	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	7	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	7	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	7	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	7	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	7	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	8	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	8	2.16
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	8	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	8	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	8	2.16
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	8	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	8	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	8	2.16
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	8	2.16
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	4	2.16
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	4	2.16
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	4	2.16
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	11	2.16
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	11	2.16
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	11	2.16
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	7	2.16
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	7	2.16
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	7	2.16
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	19	2.16
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	19	2.16
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	19	2.16
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	17	2.15
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	17	2.15
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	17	2.15
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	17	2.15
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	17	2.15
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	17	2.15
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	14	2.15
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	14	2.15
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	14	2.15
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG11	5	2.15
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG12	5	2.15
(1,2832)	1:139:A:ILE:HB	1:209:A:VAL:HG13	5	2.15
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	17	2.15
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	17	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	17	2.15
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	17	2.15
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	17	2.15
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	17	2.15
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	14	2.15
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	14	2.15
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	14	2.15
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG11	5	2.15
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG12	5	2.15
(1,86)	1:139:A:ILE:HB	1:209:A:VAL:HG13	5	2.15
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	9	2.14
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	9	2.14
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	9	2.14
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	9	2.14
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	9	2.14
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	9	2.14
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	19	2.14
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	19	2.14
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	19	2.14
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	19	2.14
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	19	2.14
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	19	2.14
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	19	2.14
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	19	2.14
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	19	2.14
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	20	2.14
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	20	2.14
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	20	2.14
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	9	2.14
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	9	2.14
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	9	2.14
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	9	2.14
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	9	2.14
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	9	2.14
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	19	2.14
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	19	2.14
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	19	2.14
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	19	2.14
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	19	2.14
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	19	2.14
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	19	2.14
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	19	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	19	2.14
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	20	2.14
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	20	2.14
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	20	2.14
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	9	2.13
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	9	2.13
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	9	2.13
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	12	2.13
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	12	2.13
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	12	2.13
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	9	2.13
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	9	2.13
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	9	2.13
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	12	2.13
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	12	2.13
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	12	2.13
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	15	2.12
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	15	2.12
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	15	2.12
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	15	2.12
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	15	2.12
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	15	2.12
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	15	2.12
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	15	2.12
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	15	2.12
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	15	2.12
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	15	2.12
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	15	2.12
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	15	2.12
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	15	2.12
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	15	2.12
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	15	2.12
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	15	2.12
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	15	2.12
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	16	2.11
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	16	2.11
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	16	2.11
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	16	2.11
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	16	2.11
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	16	2.11
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	16	2.11
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	16	2.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	16	2.11
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	6	2.11
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	6	2.11
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	6	2.11
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	10	2.11
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	10	2.11
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	10	2.11
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	16	2.11
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	16	2.11
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	16	2.11
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	16	2.11
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	16	2.11
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	16	2.11
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	16	2.11
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	16	2.11
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	16	2.11
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	6	2.11
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	6	2.11
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	6	2.11
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	10	2.11
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	10	2.11
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	10	2.11
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	5	2.09
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	5	2.09
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	5	2.09
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	5	2.09
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	5	2.09
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	5	2.09
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	15	2.08
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	15	2.08
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	15	2.08
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	15	2.08
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	15	2.08
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	15	2.08
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	8	2.06
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	8	2.06
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	8	2.06
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	8	2.06
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	8	2.06
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	8	2.06
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	7	2.05
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	7	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	7	2.05
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	3	2.05
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	3	2.05
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	3	2.05
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	10	2.05
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	10	2.05
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	10	2.05
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	7	2.05
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	7	2.05
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	7	2.05
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	3	2.05
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	3	2.05
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	3	2.05
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	10	2.05
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	10	2.05
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	10	2.05
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	3	2.04
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	3	2.04
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	3	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	7	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	7	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	7	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	12	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	12	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	12	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	15	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	15	2.04
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	15	2.04
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	3	2.04
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	3	2.04
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	3	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	7	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	7	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	7	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	12	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	12	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	12	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	15	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	15	2.04
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	15	2.04
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	4	2.03
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	4	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	4	2.03
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	4	2.03
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	4	2.03
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	4	2.03
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	4	2.03
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	4	2.03
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	4	2.03
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	20	2.03
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	20	2.03
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	20	2.03
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	1	2.03
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	1	2.03
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	1	2.03
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	4	2.03
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	4	2.03
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	4	2.03
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	4	2.03
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	4	2.03
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	4	2.03
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	4	2.03
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	4	2.03
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	4	2.03
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	20	2.03
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	20	2.03
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	20	2.03
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	1	2.03
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	1	2.03
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	1	2.03
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	14	2.02
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	14	2.02
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	14	2.02
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	14	2.02
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	14	2.02
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	14	2.02
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	6	2.01
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	6	2.01
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	6	2.01
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	6	2.01
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	6	2.01
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	6	2.01
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	14	2.01
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	14	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	14	2.01
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	6	2.01
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	6	2.01
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	6	2.01
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	6	2.01
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	6	2.01
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	6	2.01
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	14	2.01
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	14	2.01
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	14	2.01
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	2	2.0
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	2	2.0
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	2	2.0
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	2	2.0
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	2	2.0
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	2	2.0
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	2	2.0
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	2	2.0
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	2	2.0
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	10	2.0
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	10	2.0
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	10	2.0
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	2	2.0
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	2	2.0
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	2	2.0
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	2	2.0
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	2	2.0
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	2	2.0
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	2	2.0
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	2	2.0
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	2	2.0
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	10	2.0
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	10	2.0
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	10	2.0
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	19	1.99
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	19	1.99
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	19	1.99
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	19	1.99
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	19	1.99
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	19	1.99
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	13	1.99
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	13	1.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	13	1.99
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	13	1.99
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	13	1.99
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	13	1.99
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	13	1.99
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	13	1.99
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	13	1.99
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	19	1.99
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	19	1.99
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	19	1.99
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	19	1.99
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	19	1.99
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	19	1.99
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	13	1.99
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	13	1.99
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	13	1.99
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	13	1.99
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	13	1.99
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	13	1.99
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	13	1.99
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	13	1.99
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	13	1.99
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	10	1.98
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	10	1.98
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	10	1.98
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	10	1.98
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	10	1.98
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	10	1.98
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	10	1.98
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	10	1.98
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	10	1.98
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	4	1.98
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	4	1.98
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	4	1.98
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	10	1.98
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	10	1.98
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	10	1.98
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	10	1.98
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	10	1.98
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	10	1.98
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	10	1.98
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	10	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	10	1.98
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	4	1.98
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	4	1.98
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	4	1.98
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	13	1.97
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	13	1.97
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	13	1.97
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	16	1.97
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	16	1.97
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	16	1.97
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	14	1.97
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	14	1.97
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	14	1.97
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	13	1.97
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	13	1.97
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	13	1.97
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	16	1.97
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	16	1.97
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	16	1.97
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	14	1.97
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	14	1.97
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	14	1.97
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	20	1.96
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	20	1.96
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	20	1.96
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	13	1.96
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	13	1.96
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	13	1.96
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	8	1.96
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	8	1.96
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	8	1.96
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	20	1.96
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	20	1.96
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	20	1.96
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	13	1.96
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	13	1.96
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	13	1.96
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	8	1.96
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	8	1.96
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	8	1.96
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	1	1.95
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	20	1.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	20	1.95
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	20	1.95
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	1	1.95
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	20	1.95
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	20	1.95
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	20	1.95
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	9	1.94
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	9	1.94
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	11	1.93
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	11	1.93
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	11	1.93
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	9	1.93
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	9	1.93
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	9	1.93
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	11	1.93
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	11	1.93
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	11	1.93
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	9	1.93
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	9	1.93
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	9	1.93
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	10	1.92
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	10	1.92
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	10	1.92
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	10	1.92
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	10	1.92
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	10	1.92
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	16	1.92
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	16	1.92
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	16	1.92
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	16	1.92
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	16	1.92
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	16	1.92
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	14	1.92
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	14	1.92
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	14	1.92
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	5	1.92
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	5	1.92
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	5	1.92
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	10	1.92
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	10	1.92
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	10	1.92
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	14	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	14	1.92
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	14	1.92
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	14	1.92
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	14	1.92
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	14	1.92
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	14	1.92
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	14	1.92
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	14	1.92
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	11	1.92
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	11	1.92
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	11	1.92
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	11	1.92
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	11	1.92
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	11	1.92
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	11	1.92
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	11	1.92
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	11	1.92
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	1	1.92
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	1	1.92
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	1	1.92
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	10	1.92
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	10	1.92
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	10	1.92
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	10	1.92
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	10	1.92
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	10	1.92
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	16	1.92
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	16	1.92
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	16	1.92
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	16	1.92
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	16	1.92
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	16	1.92
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	14	1.92
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	14	1.92
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	14	1.92
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	5	1.92
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	5	1.92
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	5	1.92
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	10	1.92
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	10	1.92
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	10	1.92
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	14	1.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	14	1.92
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	14	1.92
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	14	1.92
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	14	1.92
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	14	1.92
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	14	1.92
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	14	1.92
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	14	1.92
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	11	1.92
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	11	1.92
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	11	1.92
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	11	1.92
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	11	1.92
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	11	1.92
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	11	1.92
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	11	1.92
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	11	1.92
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	1	1.92
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	1	1.92
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	1	1.92
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	4	1.91
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	4	1.91
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	4	1.91
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	4	1.91
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	4	1.91
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	4	1.91
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	17	1.91
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	17	1.91
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	17	1.91
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	17	1.91
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	17	1.91
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	17	1.91
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	17	1.91
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	17	1.91
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	17	1.91
(1,2879)	1:161:A:VAL:HG11	1:210:A:VAL:H	9	1.91
(1,2879)	1:161:A:VAL:HG12	1:210:A:VAL:H	9	1.91
(1,2879)	1:161:A:VAL:HG13	1:210:A:VAL:H	9	1.91
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	4	1.91
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	4	1.91
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	4	1.91
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	4	1.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	4	1.91
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	4	1.91
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	17	1.91
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	17	1.91
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	17	1.91
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	17	1.91
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	17	1.91
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	17	1.91
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	17	1.91
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	17	1.91
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	17	1.91
(1,133)	1:161:A:VAL:HG11	1:210:A:VAL:H	9	1.91
(1,133)	1:161:A:VAL:HG12	1:210:A:VAL:H	9	1.91
(1,133)	1:161:A:VAL:HG13	1:210:A:VAL:H	9	1.91
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	19	1.9
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	19	1.9
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	19	1.9
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	19	1.9
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	19	1.9
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	19	1.9
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	19	1.9
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	19	1.9
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	19	1.9
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	19	1.9
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	19	1.9
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	19	1.9
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	1	1.9
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	1	1.9
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	1	1.9
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	19	1.9
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	19	1.9
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	19	1.9
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	19	1.9
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	19	1.9
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	19	1.9
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	19	1.9
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	19	1.9
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	19	1.9
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	19	1.9
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	19	1.9
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	19	1.9
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	1	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	1	1.9
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	1	1.9
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	14	1.89
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	14	1.89
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	14	1.89
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	14	1.89
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	14	1.89
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	14	1.89
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	18	1.89
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	18	1.89
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	18	1.89
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	11	1.89
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	11	1.89
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	11	1.89
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	11	1.89
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	11	1.89
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	11	1.89
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	11	1.89
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	11	1.89
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	11	1.89
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	15	1.89
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	15	1.89
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	15	1.89
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	15	1.89
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	15	1.89
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	15	1.89
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	15	1.89
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	15	1.89
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	15	1.89
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	12	1.89
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	12	1.89
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	12	1.89
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	11	1.89
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	11	1.89
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	11	1.89
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	14	1.89
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	14	1.89
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	14	1.89
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	14	1.89
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	14	1.89
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	14	1.89
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	18	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	18	1.89
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	18	1.89
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	11	1.89
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	11	1.89
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	11	1.89
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	11	1.89
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	11	1.89
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	11	1.89
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	11	1.89
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	11	1.89
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	11	1.89
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	15	1.89
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	15	1.89
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	15	1.89
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	15	1.89
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	15	1.89
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	15	1.89
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	15	1.89
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	15	1.89
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	15	1.89
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	12	1.89
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	12	1.89
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	12	1.89
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	11	1.89
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	11	1.89
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	11	1.89
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	8	1.88
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	8	1.88
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	8	1.88
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	9	1.88
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	9	1.88
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	9	1.88
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	3	1.88
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	3	1.88
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	3	1.88
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	3	1.88
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	3	1.88
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	3	1.88
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	8	1.88
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	8	1.88
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	8	1.88
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	17	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	17	1.88
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	17	1.88
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	8	1.88
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	8	1.88
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	8	1.88
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	9	1.88
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	9	1.88
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	9	1.88
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	3	1.88
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	3	1.88
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	3	1.88
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	3	1.88
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	3	1.88
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	3	1.88
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	8	1.88
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	8	1.88
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	8	1.88
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	17	1.88
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	17	1.88
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	17	1.88
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	14	1.87
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	14	1.87
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	14	1.87
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	11	1.87
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	11	1.87
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	11	1.87
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	14	1.87
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	14	1.87
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	14	1.87
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	11	1.87
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	11	1.87
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	11	1.87
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.86
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.86
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.86
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.86
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.86
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.86
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.86
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.86
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.86
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.86
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.86
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	13	1.85
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	13	1.85
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	13	1.85
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	13	1.85
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	13	1.85
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	13	1.85
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	9	1.85
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	9	1.85
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	9	1.85
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	8	1.85
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	8	1.85
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	8	1.85
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	13	1.85
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	13	1.85
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	13	1.85
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	13	1.85
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	13	1.85
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	13	1.85
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	9	1.85
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	9	1.85
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	9	1.85
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	8	1.85
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	8	1.85
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	8	1.85
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	9	1.84
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	9	1.84
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	11	1.83
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	11	1.83
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	11	1.83
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	3	1.83
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	6	1.83
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	6	1.83
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	6	1.83
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	6	1.83
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	6	1.83
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	6	1.83
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	6	1.83
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	6	1.83
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	6	1.83
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	11	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	11	1.83
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	11	1.83
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	3	1.83
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	6	1.83
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	6	1.83
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	6	1.83
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	6	1.83
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	6	1.83
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	6	1.83
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	6	1.83
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	6	1.83
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	6	1.83
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	17	1.82
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	17	1.82
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	17	1.82
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	17	1.82
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	17	1.82
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	17	1.82
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	8	1.82
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	12	1.82
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	18	1.82
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	6	1.82
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	6	1.82
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	6	1.82
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	6	1.82
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	6	1.82
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	6	1.82
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	6	1.82
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	6	1.82
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	6	1.82
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	17	1.82
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	17	1.82
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	17	1.82
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	17	1.82
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	17	1.82
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	17	1.82
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	17	1.82
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	17	1.82
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	17	1.82
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	8	1.82
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	12	1.82
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	18	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	6	1.82
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	6	1.82
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	6	1.82
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	6	1.82
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	6	1.82
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	6	1.82
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	6	1.82
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	6	1.82
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	6	1.82
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	17	1.82
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	17	1.82
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	17	1.82
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	18	1.81
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	18	1.81
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	18	1.81
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	18	1.81
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	18	1.81
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	18	1.81
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	3	1.81
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	3	1.81
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	3	1.81
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	5	1.81
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	5	1.81
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	5	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	1	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	1	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	1	1.81
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	1	1.81
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	1	1.81
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	1	1.81
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	1	1.81
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	12	1.81
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	7	1.81
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	16	1.81
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	16	1.81
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	16	1.81
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	16	1.81
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	16	1.81
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	16	1.81
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	16	1.81
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	16	1.81
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	16	1.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	18	1.81
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	18	1.81
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	18	1.81
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	18	1.81
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	18	1.81
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	18	1.81
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	3	1.81
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	3	1.81
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	3	1.81
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	5	1.81
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	5	1.81
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	5	1.81
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	1	1.81
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	1	1.81
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	1	1.81
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	1	1.81
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	1	1.81
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	1	1.81
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	1	1.81
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	12	1.81
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	7	1.81
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	16	1.81
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	16	1.81
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	16	1.81
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	16	1.81
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	16	1.81
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	16	1.81
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	16	1.81
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	16	1.81
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	16	1.81
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	11	1.8
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	11	1.8
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	11	1.8
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	11	1.8
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	11	1.8
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	11	1.8
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	6	1.8
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	18	1.8
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	18	1.8
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	18	1.8
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	18	1.8
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	18	1.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	18	1.8
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	18	1.8
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	18	1.8
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	18	1.8
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	5	1.8
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	5	1.8
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	5	1.8
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	6	1.8
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	6	1.8
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	6	1.8
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	11	1.8
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	11	1.8
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	11	1.8
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	11	1.8
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	11	1.8
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	11	1.8
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	6	1.8
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	18	1.8
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	18	1.8
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	18	1.8
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	18	1.8
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	18	1.8
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	18	1.8
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	18	1.8
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	18	1.8
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	18	1.8
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	5	1.8
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	5	1.8
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	5	1.8
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	6	1.8
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	6	1.8
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	6	1.8
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	5	1.79
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	6	1.79
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	11	1.79
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	5	1.79
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	5	1.79
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	5	1.79
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	5	1.79
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	5	1.79
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	5	1.79
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	5	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	5	1.79
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	5	1.79
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	13	1.79
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	7	1.79
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	7	1.79
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	7	1.79
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	7	1.79
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	7	1.79
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	7	1.79
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	7	1.79
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	7	1.79
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	7	1.79
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	11	1.79
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	11	1.79
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	11	1.79
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	11	1.79
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	11	1.79
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	11	1.79
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	11	1.79
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	11	1.79
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	11	1.79
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	5	1.79
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	6	1.79
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	11	1.79
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	5	1.79
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	5	1.79
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	5	1.79
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	5	1.79
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	5	1.79
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	5	1.79
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	5	1.79
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	5	1.79
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	5	1.79
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	13	1.79
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	7	1.79
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	7	1.79
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	7	1.79
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	7	1.79
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	7	1.79
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	7	1.79
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	7	1.79
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	7	1.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	7	1.79
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	11	1.79
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	11	1.79
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	11	1.79
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	11	1.79
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	11	1.79
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	11	1.79
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	11	1.79
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	11	1.79
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	11	1.79
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	2	1.78
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	2	1.78
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	2	1.78
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	2	1.78
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	2	1.78
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	2	1.78
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	4	1.78
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	10	1.78
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	14	1.78
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	3	1.78
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	8	1.78
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	3	1.78
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	3	1.78
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	3	1.78
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	3	1.78
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	3	1.78
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	3	1.78
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	3	1.78
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	3	1.78
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	3	1.78
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	2	1.78
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	2	1.78
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	2	1.78
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	2	1.78
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	2	1.78
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	2	1.78
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	4	1.78
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	10	1.78
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	14	1.78
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	3	1.78
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	8	1.78
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	3	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	3	1.78
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	3	1.78
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	3	1.78
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	3	1.78
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	3	1.78
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	3	1.78
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	3	1.78
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	3	1.78
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	15	1.77
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	15	1.77
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	15	1.77
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	15	1.77
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	15	1.77
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	15	1.77
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	7	1.77
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	11	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	1	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	1	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	1	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	1	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	1	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	1	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	1	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	1	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	1	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	6	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	6	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	6	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	6	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	6	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	6	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	6	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	6	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	6	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	12	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	12	1.77
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	12	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	12	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	12	1.77
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	12	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	12	1.77
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	12	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	12	1.77
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	2	1.77
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	2	1.77
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	2	1.77
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	15	1.77
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	15	1.77
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	15	1.77
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	15	1.77
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	15	1.77
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	15	1.77
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	15	1.77
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	15	1.77
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	15	1.77
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	7	1.77
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	11	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	1	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	1	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	1	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	1	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	1	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	1	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	1	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	1	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	1	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	6	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	6	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	6	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	6	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	6	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	6	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	6	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	6	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	6	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	12	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	12	1.77
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	12	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	12	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	12	1.77
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	12	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	12	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	12	1.77
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	12	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	2	1.77
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	2	1.77
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	2	1.77
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	15	1.77
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	15	1.77
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	15	1.77
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	8	1.76
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	17	1.76
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	20	1.76
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	1	1.76
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	15	1.76
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	20	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	1	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	1	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	1	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	1	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	1	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	1	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	1	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	1	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	1	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	8	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	8	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	8	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	8	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	8	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	8	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	8	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	8	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	8	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	19	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	19	1.76
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	19	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	19	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	19	1.76
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	19	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	19	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	19	1.76
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	19	1.76
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	8	1.76
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	17	1.76
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	20	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	1	1.76
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	15	1.76
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	20	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	1	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	1	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	1	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	1	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	1	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	1	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	1	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	1	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	1	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	8	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	8	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	8	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	8	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	8	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	8	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	8	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	8	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	8	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	19	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	19	1.76
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	19	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	19	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	19	1.76
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	19	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	19	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	19	1.76
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	19	1.76
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	8	1.75
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	8	1.75
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	8	1.75
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	8	1.75
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	8	1.75
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	8	1.75
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	8	1.75
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	8	1.75
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	8	1.75
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	8	1.75
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	8	1.75
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	8	1.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	6	1.74
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	6	1.74
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	6	1.74
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	13	1.74
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	12	1.74
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	12	1.74
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	12	1.74
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	12	1.74
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	12	1.74
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	12	1.74
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	12	1.74
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	12	1.74
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	12	1.74
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	6	1.74
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	6	1.74
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	6	1.74
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	13	1.74
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	12	1.74
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	12	1.74
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	12	1.74
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	12	1.74
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	12	1.74
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	12	1.74
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	12	1.74
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	12	1.74
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	12	1.74
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	8	1.73
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	8	1.73
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	8	1.73
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	4	1.73
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	13	1.73
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	13	1.73
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	13	1.73
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	3	1.73
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	3	1.73
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	3	1.73
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	3	1.73
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	3	1.73
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	3	1.73
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	3	1.73
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	3	1.73
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	3	1.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	8	1.73
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	8	1.73
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	8	1.73
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	4	1.73
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	13	1.73
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	13	1.73
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	13	1.73
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	3	1.73
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	3	1.73
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	3	1.73
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	3	1.73
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	3	1.73
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	3	1.73
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	3	1.73
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	3	1.73
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	3	1.73
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	9	1.72
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	9	1.72
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	9	1.72
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	9	1.72
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	9	1.72
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	9	1.72
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	19	1.72
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	19	1.72
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	19	1.72
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	19	1.72
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	19	1.72
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	19	1.72
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	11	1.72
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	11	1.72
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	11	1.72
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	13	1.72
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	5	1.72
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	5	1.72
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	5	1.72
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	9	1.72
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	9	1.72
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	9	1.72
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	9	1.72
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	9	1.72
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	9	1.72
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	19	1.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	19	1.72
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	19	1.72
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	19	1.72
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	19	1.72
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	19	1.72
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	11	1.72
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	11	1.72
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	11	1.72
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	13	1.72
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	5	1.72
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	5	1.72
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	5	1.72
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	5	1.71
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	5	1.71
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	5	1.71
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	5	1.71
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	5	1.71
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	5	1.71
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	5	1.71
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	5	1.71
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	5	1.71
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	5	1.71
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	5	1.71
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	5	1.71
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	5	1.71
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	5	1.71
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	5	1.71
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	5	1.71
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	5	1.71
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	5	1.71
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	17	1.7
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	17	1.7
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	17	1.7
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	12	1.7
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	12	1.7
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	12	1.7
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	12	1.7
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	12	1.7
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	12	1.7
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	2	1.7
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	9	1.7
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	17	1.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	17	1.7
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	17	1.7
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	12	1.7
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	12	1.7
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	12	1.7
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	12	1.7
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	12	1.7
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	12	1.7
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	2	1.7
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	9	1.7
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	12	1.69
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	12	1.69
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	12	1.69
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	12	1.69
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	12	1.69
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	12	1.69
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	12	1.69
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	12	1.69
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	12	1.69
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	11	1.69
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	11	1.69
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	11	1.69
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	11	1.69
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	11	1.69
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	11	1.69
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	11	1.69
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	11	1.69
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	11	1.69
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	12	1.69
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	12	1.69
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	12	1.69
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	12	1.69
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	12	1.69
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	12	1.69
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	12	1.69
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	12	1.69
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	12	1.69
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	11	1.69
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	11	1.69
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	11	1.69
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	11	1.69
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	11	1.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	11	1.69
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	11	1.69
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	11	1.69
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	11	1.69
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	14	1.68
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	14	1.68
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	14	1.68
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	14	1.68
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	14	1.68
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	14	1.68
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	9	1.68
(1,3308)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	14	1.68
(1,3308)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	14	1.68
(1,3308)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	14	1.68
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	4	1.68
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	4	1.68
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	4	1.68
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	14	1.68
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	14	1.68
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	14	1.68
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	14	1.68
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	14	1.68
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	14	1.68
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	9	1.68
(1,562)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	14	1.68
(1,562)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	14	1.68
(1,562)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	14	1.68
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	4	1.68
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	4	1.68
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	4	1.68
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	5	1.67
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	5	1.67
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	5	1.67
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	5	1.67
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	5	1.67
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	5	1.67
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	3	1.67
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	3	1.67
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	3	1.67
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	3	1.67
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	3	1.67
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	3	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	13	1.67
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	10	1.67
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	10	1.67
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	10	1.67
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	10	1.67
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	10	1.67
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	10	1.67
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	2	1.67
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	2	1.67
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	2	1.67
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	15	1.67
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	19	1.67
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	19	1.67
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	16	1.67
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	16	1.67
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	16	1.67
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	13	1.67
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	13	1.67
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	13	1.67
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	2	1.67
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	2	1.67
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	2	1.67
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	19	1.67
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	19	1.67
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	19	1.67
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	5	1.67
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	5	1.67
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	5	1.67
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	5	1.67
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	5	1.67
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	5	1.67
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	3	1.67
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	3	1.67
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	3	1.67
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	3	1.67
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	3	1.67
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	3	1.67
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	13	1.67
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	10	1.67
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	10	1.67
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	10	1.67
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	10	1.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	10	1.67
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	10	1.67
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	2	1.67
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	2	1.67
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	2	1.67
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	15	1.67
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	19	1.67
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	19	1.67
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	16	1.67
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	16	1.67
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	16	1.67
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	13	1.67
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	13	1.67
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	13	1.67
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	2	1.67
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	2	1.67
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	2	1.67
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	19	1.67
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	19	1.67
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	19	1.67
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	17	1.66
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	7	1.66
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	7	1.66
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	7	1.66
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	19	1.66
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	19	1.66
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	19	1.66
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	19	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	4	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	4	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	4	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	4	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	4	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	4	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	4	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	4	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	4	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	7	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	7	1.66
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	7	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	7	1.66
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	7	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	7	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	7	1.66
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	7	1.66
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	3	1.66
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	3	1.66
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	3	1.66
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	8	1.66
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	8	1.66
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	8	1.66
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	17	1.66
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	17	1.66
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	17	1.66
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	4	1.66
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	4	1.66
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	4	1.66
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG21	2	1.66
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG22	2	1.66
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG23	2	1.66
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	16	1.66
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	16	1.66
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	16	1.66
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	17	1.66
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	7	1.66
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	7	1.66
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	7	1.66
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	19	1.66
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	19	1.66
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	19	1.66
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	19	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	4	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	4	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	4	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	4	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	4	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	4	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	4	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	4	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	4	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	7	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	7	1.66
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	7	1.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	7	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	7	1.66
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	7	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	7	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	7	1.66
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	7	1.66
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	3	1.66
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	3	1.66
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	3	1.66
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	8	1.66
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	8	1.66
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	8	1.66
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	17	1.66
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	17	1.66
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	17	1.66
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	4	1.66
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	4	1.66
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	4	1.66
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG21	2	1.66
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG22	2	1.66
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG23	2	1.66
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	16	1.66
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	16	1.66
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	16	1.66
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	7	1.65
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	7	1.65
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	7	1.65
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	19	1.65
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	4	1.65
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	4	1.65
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	4	1.65
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	10	1.65
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	16	1.65
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	5	1.65
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	10	1.65
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	10	1.65
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	10	1.65
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	1.65
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	1.65
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	1.65
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	9	1.65
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	9	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	9	1.65
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	9	1.65
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	9	1.65
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	9	1.65
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	9	1.65
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	9	1.65
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	9	1.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	12	1.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	12	1.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	12	1.65
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	7	1.65
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	7	1.65
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	7	1.65
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	19	1.65
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	4	1.65
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	4	1.65
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	4	1.65
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	10	1.65
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	16	1.65
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	5	1.65
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	10	1.65
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	10	1.65
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	10	1.65
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	1.65
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	1.65
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	1.65
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	9	1.65
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	9	1.65
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	9	1.65
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	9	1.65
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	9	1.65
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	9	1.65
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	9	1.65
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	9	1.65
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	9	1.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	12	1.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	12	1.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	12	1.65
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	11	1.64
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	11	1.64
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	11	1.64
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	11	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	11	1.64
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	11	1.64
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	19	1.64
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	19	1.64
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	19	1.64
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	19	1.64
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	19	1.64
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	19	1.64
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	16	1.64
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG21	7	1.64
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG22	7	1.64
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG23	7	1.64
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG11	9	1.64
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG12	9	1.64
(1,3500)	1:138:A:MET:HE1	1:209:A:VAL:HG13	9	1.64
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG11	9	1.64
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG12	9	1.64
(1,3500)	1:138:A:MET:HE2	1:209:A:VAL:HG13	9	1.64
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG11	9	1.64
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG12	9	1.64
(1,3500)	1:138:A:MET:HE3	1:209:A:VAL:HG13	9	1.64
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	16	1.64
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	9	1.64
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	9	1.64
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	9	1.64
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	9	1.64
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	9	1.64
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	9	1.64
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	9	1.64
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	9	1.64
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	9	1.64
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	10	1.64
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	10	1.64
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	10	1.64
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	10	1.64
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	10	1.64
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	10	1.64
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	10	1.64
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	10	1.64
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	10	1.64
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	20	1.64
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	20	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	20	1.64
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	20	1.64
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	20	1.64
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	20	1.64
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	20	1.64
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	20	1.64
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	20	1.64
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	9	1.64
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	9	1.64
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	9	1.64
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	11	1.64
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	11	1.64
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	11	1.64
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	11	1.64
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	11	1.64
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	11	1.64
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	19	1.64
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	19	1.64
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	19	1.64
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	19	1.64
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	19	1.64
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	19	1.64
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	16	1.64
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG21	7	1.64
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG22	7	1.64
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG23	7	1.64
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG11	9	1.64
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG12	9	1.64
(1,754)	1:138:A:MET:HE1	1:209:A:VAL:HG13	9	1.64
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG11	9	1.64
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG12	9	1.64
(1,754)	1:138:A:MET:HE2	1:209:A:VAL:HG13	9	1.64
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG11	9	1.64
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG12	9	1.64
(1,754)	1:138:A:MET:HE3	1:209:A:VAL:HG13	9	1.64
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	16	1.64
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	9	1.64
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	9	1.64
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	9	1.64
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	9	1.64
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	9	1.64
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	9	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	9	1.64
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	9	1.64
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	9	1.64
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	10	1.64
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	10	1.64
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	10	1.64
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	10	1.64
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	10	1.64
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	10	1.64
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	10	1.64
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	10	1.64
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	10	1.64
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	20	1.64
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	20	1.64
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	20	1.64
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	20	1.64
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	20	1.64
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	20	1.64
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	20	1.64
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	20	1.64
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	20	1.64
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	9	1.64
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	9	1.64
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	9	1.64
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	4	1.63
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	4	1.63
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	4	1.63
(1,4838)	1:166:A:VAL:HG11	1:168:A:GLN:H	5	1.63
(1,4838)	1:166:A:VAL:HG12	1:168:A:GLN:H	5	1.63
(1,4838)	1:166:A:VAL:HG13	1:168:A:GLN:H	5	1.63
(1,4838)	1:166:A:VAL:HG11	1:168:A:GLN:H	6	1.63
(1,4838)	1:166:A:VAL:HG12	1:168:A:GLN:H	6	1.63
(1,4838)	1:166:A:VAL:HG13	1:168:A:GLN:H	6	1.63
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	11	1.63
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	12	1.63
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	17	1.63
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	17	1.63
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	17	1.63
(1,2911)	1:166:A:VAL:HG23	1:225:A:TYR:HD1	1	1.63
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	6	1.63
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	6	1.63
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	6	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	6	1.63
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	6	1.63
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	6	1.63
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	6	1.63
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	6	1.63
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	6	1.63
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	4	1.63
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	4	1.63
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	4	1.63
(1,2092)	1:166:A:VAL:HG11	1:168:A:GLN:H	5	1.63
(1,2092)	1:166:A:VAL:HG12	1:168:A:GLN:H	5	1.63
(1,2092)	1:166:A:VAL:HG13	1:168:A:GLN:H	5	1.63
(1,2092)	1:166:A:VAL:HG11	1:168:A:GLN:H	6	1.63
(1,2092)	1:166:A:VAL:HG12	1:168:A:GLN:H	6	1.63
(1,2092)	1:166:A:VAL:HG13	1:168:A:GLN:H	6	1.63
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	11	1.63
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	12	1.63
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	17	1.63
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	17	1.63
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	17	1.63
(1,165)	1:166:A:VAL:HG23	1:225:A:TYR:HD1	1	1.63
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	6	1.63
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	6	1.63
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	6	1.63
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	6	1.63
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	6	1.63
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	6	1.63
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	6	1.63
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	6	1.63
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	6	1.63
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	2	1.62
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	2	1.62
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	2	1.62
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	2	1.62
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	2	1.62
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	2	1.62
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	3	1.62
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	3	1.62
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	3	1.62
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	3	1.62
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	3	1.62
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	3	1.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	3	1.62
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	3	1.62
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	3	1.62
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG11	18	1.62
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG12	18	1.62
(1,2932)	1:198:A:PHE:H	1:203:A:VAL:HG13	18	1.62
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	15	1.62
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	15	1.62
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	15	1.62
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	20	1.62
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	20	1.62
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	20	1.62
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	2	1.62
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	2	1.62
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	2	1.62
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	2	1.62
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	2	1.62
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	2	1.62
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	3	1.62
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	3	1.62
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	3	1.62
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	3	1.62
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	3	1.62
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	3	1.62
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	3	1.62
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	3	1.62
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	3	1.62
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG11	18	1.62
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG12	18	1.62
(1,186)	1:198:A:PHE:H	1:203:A:VAL:HG13	18	1.62
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	15	1.62
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	15	1.62
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	15	1.62
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	20	1.62
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	20	1.62
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	20	1.62
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	20	1.61
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	3	1.61
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	3	1.61
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	3	1.61
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	16	1.61
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	16	1.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	16	1.61
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	16	1.61
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	16	1.61
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	16	1.61
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	20	1.61
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	3	1.61
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	3	1.61
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	3	1.61
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	16	1.61
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	16	1.61
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	16	1.61
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	16	1.61
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	16	1.61
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	16	1.61
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	4	1.6
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	15	1.6
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	3	1.6
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	3	1.6
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	17	1.6
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	17	1.6
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	17	1.6
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	4	1.6
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	15	1.6
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	3	1.6
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	3	1.6
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	17	1.6
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	17	1.6
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	17	1.6
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	19	1.59
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	18	1.59
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	18	1.59
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	18	1.59
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	18	1.59
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	18	1.59
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	18	1.59
(1,5086)	1:178:A:ASP:H	1:181:A:ASN:HD22	18	1.59
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	18	1.59
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	18	1.59
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	18	1.59
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	18	1.59
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	18	1.59
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	18	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	18	1.59
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	18	1.59
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	18	1.59
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	7	1.59
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	7	1.59
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	7	1.59
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	14	1.59
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	14	1.59
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	14	1.59
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	14	1.59
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	14	1.59
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	14	1.59
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	14	1.59
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	14	1.59
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	14	1.59
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	19	1.59
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	18	1.59
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	18	1.59
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	18	1.59
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	18	1.59
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	18	1.59
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	18	1.59
(1,2340)	1:178:A:ASP:H	1:181:A:ASN:HD22	18	1.59
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	18	1.59
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	18	1.59
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	18	1.59
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	18	1.59
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	18	1.59
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	18	1.59
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	18	1.59
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	18	1.59
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	18	1.59
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	7	1.59
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	7	1.59
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	7	1.59
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	14	1.59
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	14	1.59
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	14	1.59
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	14	1.59
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	14	1.59
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	14	1.59
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	14	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	14	1.59
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	14	1.59
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	8	1.58
(1,5478)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	8	1.58
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	8	1.58
(1,5478)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	8	1.58
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	8	1.58
(1,5478)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	8	1.58
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	6	1.58
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	6	1.58
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	6	1.58
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	6	1.58
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	6	1.58
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	6	1.58
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	1	1.58
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	2	1.58
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	9	1.58
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	9	1.58
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	9	1.58
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	9	1.58
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	9	1.58
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	9	1.58
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	9	1.58
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	9	1.58
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	9	1.58
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	11	1.58
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	11	1.58
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	11	1.58
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	14	1.58
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	8	1.58
(1,2732)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	8	1.58
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	8	1.58
(1,2732)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	8	1.58
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	8	1.58
(1,2732)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	8	1.58
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	6	1.58
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	6	1.58
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	6	1.58
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	6	1.58
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	6	1.58
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	6	1.58
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	1	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	2	1.58
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	9	1.58
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	9	1.58
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	9	1.58
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	9	1.58
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	9	1.58
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	9	1.58
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	9	1.58
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	9	1.58
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	9	1.58
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	11	1.58
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	11	1.58
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	11	1.58
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	14	1.58
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	9	1.57
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	16	1.57
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	9	1.57
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	4	1.57
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	4	1.57
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	4	1.57
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	14	1.57
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	14	1.57
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	14	1.57
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.57
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.57
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.57
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	17	1.57
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	17	1.57
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	17	1.57
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	9	1.57
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	16	1.57
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	9	1.57
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	4	1.57
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	4	1.57
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	4	1.57
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	14	1.57
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	14	1.57
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	14	1.57
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.57
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.57
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.57
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	17	1.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	17	1.57
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	17	1.57
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	7	1.56
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	7	1.56
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	7	1.56
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	7	1.56
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	7	1.56
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	7	1.56
(1,5260)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	9	1.56
(1,5260)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	9	1.56
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	15	1.56
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	15	1.56
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	15	1.56
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	5	1.56
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	5	1.56
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	5	1.56
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	5	1.56
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	5	1.56
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	5	1.56
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	5	1.56
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	5	1.56
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	5	1.56
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	2	1.56
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	1	1.56
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	1	1.56
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	1	1.56
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	1	1.56
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	1	1.56
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	1	1.56
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	7	1.56
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	7	1.56
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	7	1.56
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	7	1.56
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	7	1.56
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	7	1.56
(1,2514)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	9	1.56
(1,2514)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	9	1.56
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	15	1.56
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	15	1.56
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	15	1.56
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	5	1.56
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	5	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	5	1.56
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	5	1.56
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	5	1.56
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	5	1.56
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	5	1.56
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	5	1.56
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	5	1.56
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	2	1.56
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	1	1.56
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	1	1.56
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	1	1.56
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	1	1.56
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	1	1.56
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	1	1.56
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	6	1.55
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	6	1.55
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	6	1.55
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	6	1.55
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	6	1.55
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	6	1.55
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	17	1.55
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	17	1.55
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	17	1.55
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	17	1.55
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	17	1.55
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	17	1.55
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	7	1.55
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	20	1.55
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	20	1.55
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	20	1.55
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	20	1.55
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	11	1.55
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	11	1.55
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	11	1.55
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	6	1.55
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	6	1.55
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	6	1.55
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	6	1.55
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	6	1.55
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	6	1.55
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	17	1.55
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	17	1.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	17	1.55
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	17	1.55
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	17	1.55
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	17	1.55
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	7	1.55
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	20	1.55
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	20	1.55
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	20	1.55
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	20	1.55
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	11	1.55
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	11	1.55
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	11	1.55
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	12	1.54
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	13	1.54
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	18	1.54
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	11	1.54
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	11	1.54
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	11	1.54
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	20	1.54
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	20	1.54
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	20	1.54
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	11	1.54
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	11	1.54
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	11	1.54
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	14	1.54
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	14	1.54
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	14	1.54
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	14	1.54
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	14	1.54
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	14	1.54
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	14	1.54
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	14	1.54
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	14	1.54
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	4	1.54
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	16	1.54
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	16	1.54
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	16	1.54
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	3	1.54
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	3	1.54
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	3	1.54
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	12	1.54
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	13	1.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	18	1.54
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	11	1.54
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	11	1.54
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	11	1.54
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	20	1.54
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	20	1.54
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	20	1.54
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	11	1.54
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	11	1.54
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	11	1.54
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	14	1.54
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	14	1.54
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	14	1.54
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	14	1.54
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	14	1.54
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	14	1.54
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	14	1.54
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	14	1.54
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	14	1.54
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	4	1.54
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	16	1.54
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	16	1.54
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	16	1.54
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	3	1.54
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	3	1.54
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	3	1.54
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	19	1.53
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	19	1.53
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	19	1.53
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	10	1.53
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	11	1.53
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	11	1.53
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	11	1.53
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	11	1.53
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	11	1.53
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	11	1.53
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	11	1.53
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	11	1.53
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	11	1.53
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	18	1.53
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	18	1.53
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	18	1.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	12	1.53
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	19	1.53
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	19	1.53
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	19	1.53
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	10	1.53
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	11	1.53
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	11	1.53
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	11	1.53
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	11	1.53
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	11	1.53
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	11	1.53
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	11	1.53
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	11	1.53
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	11	1.53
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	18	1.53
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	18	1.53
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	18	1.53
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	12	1.53
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	1	1.52
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	2	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	1	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	1	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	1	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	12	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	12	1.52
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	12	1.52
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	17	1.52
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	17	1.52
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	17	1.52
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	17	1.52
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	17	1.52
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	17	1.52
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	17	1.52
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	17	1.52
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	17	1.52
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	3	1.52
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	3	1.52
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	3	1.52
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	2	1.52
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	2	1.52
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	2	1.52
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	13	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	13	1.52
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	13	1.52
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	16	1.52
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	16	1.52
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	16	1.52
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	3	1.52
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	3	1.52
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	3	1.52
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	20	1.52
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	20	1.52
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	20	1.52
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	1	1.52
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	2	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	1	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	1	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	1	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	12	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	12	1.52
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	12	1.52
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	17	1.52
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	17	1.52
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	17	1.52
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	17	1.52
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	17	1.52
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	17	1.52
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	17	1.52
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	17	1.52
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	17	1.52
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	3	1.52
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	3	1.52
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	3	1.52
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	2	1.52
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	2	1.52
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	2	1.52
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	13	1.52
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	13	1.52
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	13	1.52
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	16	1.52
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	16	1.52
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	16	1.52
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	3	1.52
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	3	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	3	1.52
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	20	1.52
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	20	1.52
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	20	1.52
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	10	1.51
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	20	1.51
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	16	1.51
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	20	1.51
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	16	1.51
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	7	1.51
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	7	1.51
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	7	1.51
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	2	1.51
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	2	1.51
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	2	1.51
(1,2879)	1:161:A:VAL:HG11	1:210:A:VAL:H	14	1.51
(1,2879)	1:161:A:VAL:HG12	1:210:A:VAL:H	14	1.51
(1,2879)	1:161:A:VAL:HG13	1:210:A:VAL:H	14	1.51
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	9	1.51
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	9	1.51
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	9	1.51
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	10	1.51
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	20	1.51
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	16	1.51
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	20	1.51
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	16	1.51
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	7	1.51
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	7	1.51
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	7	1.51
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	2	1.51
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	2	1.51
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	2	1.51
(1,133)	1:161:A:VAL:HG11	1:210:A:VAL:H	14	1.51
(1,133)	1:161:A:VAL:HG12	1:210:A:VAL:H	14	1.51
(1,133)	1:161:A:VAL:HG13	1:210:A:VAL:H	14	1.51
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	9	1.51
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	9	1.51
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	9	1.51
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	18	1.5
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	2	1.5
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	2	1.5
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	2	1.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	3	1.5
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	3	1.5
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	3	1.5
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	3	1.5
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	3	1.5
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	3	1.5
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	3	1.5
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	3	1.5
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	3	1.5
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	5	1.5
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	5	1.5
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	5	1.5
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	5	1.5
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	5	1.5
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	5	1.5
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	8	1.5
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	8	1.5
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	8	1.5
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	18	1.5
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	2	1.5
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	2	1.5
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	2	1.5
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	3	1.5
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	3	1.5
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	3	1.5
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	3	1.5
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	3	1.5
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	3	1.5
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	3	1.5
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	3	1.5
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	3	1.5
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	5	1.5
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	5	1.5
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	5	1.5
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	5	1.5
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	5	1.5
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	5	1.5
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	8	1.5
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	8	1.5
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	8	1.5
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	11	1.49
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	11	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	11	1.49
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	11	1.49
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	11	1.49
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	11	1.49
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	7	1.49
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	7	1.49
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	7	1.49
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	7	1.49
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	7	1.49
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	7	1.49
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	3	1.49
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	3	1.49
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	3	1.49
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	13	1.49
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	13	1.49
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	13	1.49
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	20	1.49
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	20	1.49
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	11	1.49
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	11	1.49
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	11	1.49
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	11	1.49
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	11	1.49
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	11	1.49
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	11	1.49
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	11	1.49
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	11	1.49
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	9	1.49
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	9	1.49
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	9	1.49
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	6	1.49
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	6	1.49
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	6	1.49
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	6	1.49
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	6	1.49
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	6	1.49
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	6	1.49
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	6	1.49
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	6	1.49
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	5	1.49
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	5	1.49
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	5	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	10	1.49
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	10	1.49
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	10	1.49
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	4	1.49
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	4	1.49
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	4	1.49
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG21	20	1.49
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG22	20	1.49
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG23	20	1.49
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.49
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.49
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.49
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.49
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.49
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.49
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.49
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.49
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.49
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	11	1.49
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	11	1.49
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	11	1.49
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	11	1.49
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	11	1.49
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	11	1.49
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	11	1.49
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	11	1.49
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	11	1.49
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	16	1.49
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	16	1.49
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	16	1.49
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	11	1.49
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	11	1.49
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	11	1.49
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	11	1.49
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	11	1.49
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	11	1.49
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	7	1.49
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	7	1.49
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	7	1.49
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	7	1.49
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	7	1.49
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	7	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	3	1.49
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	3	1.49
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	3	1.49
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	13	1.49
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	13	1.49
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	13	1.49
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	20	1.49
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	20	1.49
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	11	1.49
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	11	1.49
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	11	1.49
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	11	1.49
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	11	1.49
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	11	1.49
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	11	1.49
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	11	1.49
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	11	1.49
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	9	1.49
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	9	1.49
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	9	1.49
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	6	1.49
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	6	1.49
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	6	1.49
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	6	1.49
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	6	1.49
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	6	1.49
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	6	1.49
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	6	1.49
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	6	1.49
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	5	1.49
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	5	1.49
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	5	1.49
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	10	1.49
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	10	1.49
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	10	1.49
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	4	1.49
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	4	1.49
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	4	1.49
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG21	20	1.49
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG22	20	1.49
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG23	20	1.49
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.49
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.49
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.49
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.49
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.49
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.49
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.49
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.49
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	11	1.49
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	11	1.49
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	11	1.49
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	11	1.49
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	11	1.49
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	11	1.49
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	11	1.49
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	11	1.49
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	11	1.49
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	16	1.49
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	16	1.49
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	16	1.49
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	9	1.48
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	9	1.48
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	9	1.48
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	9	1.48
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	9	1.48
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	9	1.48
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	8	1.48
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	17	1.48
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	5	1.48
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	5	1.48
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	5	1.48
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	5	1.48
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	5	1.48
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	5	1.48
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	5	1.48
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	5	1.48
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	5	1.48
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	14	1.48
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	14	1.48
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	14	1.48
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	4	1.48
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	4	1.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	4	1.48
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	9	1.48
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	9	1.48
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	9	1.48
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	9	1.48
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	9	1.48
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	9	1.48
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	8	1.48
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	17	1.48
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	5	1.48
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	5	1.48
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	5	1.48
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	5	1.48
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	5	1.48
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	5	1.48
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	5	1.48
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	5	1.48
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	5	1.48
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	14	1.48
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	14	1.48
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	14	1.48
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	4	1.48
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	4	1.48
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	4	1.48
(1,5260)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	15	1.47
(1,5260)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	15	1.47
(1,5260)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	16	1.47
(1,5260)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	16	1.47
(1,4102)	1:230:A:ARG:HB3	1:232:A:SER:HA	3	1.47
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	10	1.47
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	10	1.47
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	13	1.47
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	13	1.47
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	13	1.47
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	20	1.47
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	20	1.47
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	20	1.47
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	20	1.47
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	20	1.47
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	20	1.47
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	20	1.47
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	20	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	20	1.47
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	9	1.47
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	9	1.47
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	9	1.47
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	7	1.47
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	7	1.47
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	7	1.47
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	17	1.47
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	17	1.47
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	17	1.47
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	17	1.47
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	17	1.47
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	17	1.47
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	1	1.47
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	1	1.47
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	1	1.47
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	1	1.47
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	1	1.47
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	1	1.47
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	1	1.47
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	1	1.47
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	1	1.47
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	13	1.47
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	13	1.47
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	13	1.47
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	13	1.47
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	13	1.47
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	13	1.47
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	13	1.47
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	13	1.47
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	13	1.47
(1,2514)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	15	1.47
(1,2514)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	15	1.47
(1,2514)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	16	1.47
(1,2514)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	16	1.47
(1,1356)	1:230:A:ARG:HB3	1:232:A:SER:HA	3	1.47
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	10	1.47
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	10	1.47
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	13	1.47
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	13	1.47
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	13	1.47
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	20	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	20	1.47
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	20	1.47
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	20	1.47
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	20	1.47
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	20	1.47
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	20	1.47
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	20	1.47
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	20	1.47
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	9	1.47
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	9	1.47
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	9	1.47
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	7	1.47
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	7	1.47
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	7	1.47
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	17	1.47
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	17	1.47
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	17	1.47
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	17	1.47
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	17	1.47
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	17	1.47
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	1	1.47
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	1	1.47
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	1	1.47
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	1	1.47
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	1	1.47
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	1	1.47
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	1	1.47
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	1	1.47
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	1	1.47
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	13	1.47
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	13	1.47
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	13	1.47
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	13	1.47
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	13	1.47
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	13	1.47
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	13	1.47
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	13	1.47
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	13	1.47
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	15	1.46
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	15	1.46
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	15	1.46
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	15	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	15	1.46
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	15	1.46
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	5	1.46
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	14	1.46
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	2	1.46
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	2	1.46
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	2	1.46
(1,5260)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	3	1.46
(1,5260)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	3	1.46
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	5	1.46
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	5	1.46
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	5	1.46
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	15	1.46
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	15	1.46
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	15	1.46
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	1	1.46
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	7	1.46
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	7	1.46
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	7	1.46
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	13	1.46
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	13	1.46
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	13	1.46
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	13	1.46
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	13	1.46
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	13	1.46
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	13	1.46
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	13	1.46
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	13	1.46
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	5	1.46
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	5	1.46
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	5	1.46
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	15	1.46
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	15	1.46
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	15	1.46
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	15	1.46
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	15	1.46
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	15	1.46
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	5	1.46
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	14	1.46
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	2	1.46
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	2	1.46
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	2	1.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2514)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	3	1.46
(1,2514)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	3	1.46
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	5	1.46
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	5	1.46
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	5	1.46
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	15	1.46
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	15	1.46
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	15	1.46
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	1	1.46
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	7	1.46
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	7	1.46
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	7	1.46
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	13	1.46
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	13	1.46
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	13	1.46
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	13	1.46
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	13	1.46
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	13	1.46
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	13	1.46
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	13	1.46
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	13	1.46
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	5	1.46
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	5	1.46
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	5	1.46
(1,4838)	1:166:A:VAL:HG11	1:168:A:GLN:H	9	1.45
(1,4838)	1:166:A:VAL:HG12	1:168:A:GLN:H	9	1.45
(1,4838)	1:166:A:VAL:HG13	1:168:A:GLN:H	9	1.45
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	19	1.45
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	14	1.45
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	3	1.45
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	3	1.45
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	3	1.45
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	2	1.45
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	2	1.45
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	2	1.45
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	2	1.45
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	2	1.45
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	2	1.45
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	2	1.45
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	2	1.45
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	2	1.45
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	2	1.45
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	2	1.45
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	11	1.45
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	11	1.45
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	11	1.45
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	2	1.45
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	2	1.45
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	2	1.45
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD1	15	1.45
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	16	1.45
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	16	1.45
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	16	1.45
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	16	1.45
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	16	1.45
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	16	1.45
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	16	1.45
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	16	1.45
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	16	1.45
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	2	1.45
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	2	1.45
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	2	1.45
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	13	1.45
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	13	1.45
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	13	1.45
(1,2092)	1:166:A:VAL:HG11	1:168:A:GLN:H	9	1.45
(1,2092)	1:166:A:VAL:HG12	1:168:A:GLN:H	9	1.45
(1,2092)	1:166:A:VAL:HG13	1:168:A:GLN:H	9	1.45
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	19	1.45
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	14	1.45
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	3	1.45
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	3	1.45
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	3	1.45
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	2	1.45
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	2	1.45
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	2	1.45
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	2	1.45
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	2	1.45
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	2	1.45
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	2	1.45
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	2	1.45
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	2	1.45
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	2	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	2	1.45
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	2	1.45
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	11	1.45
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	11	1.45
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	11	1.45
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	2	1.45
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	2	1.45
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	2	1.45
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD1	15	1.45
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	16	1.45
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	16	1.45
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	16	1.45
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	16	1.45
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	16	1.45
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	16	1.45
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	16	1.45
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	16	1.45
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	16	1.45
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	2	1.45
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	2	1.45
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	2	1.45
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	13	1.45
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	13	1.45
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	13	1.45
(1,5260)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	1	1.44
(1,5260)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	1	1.44
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	15	1.44
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	15	1.44
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	15	1.44
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	15	1.44
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	5	1.44
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	13	1.44
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	1	1.44
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	1	1.44
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	15	1.44
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	15	1.44
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	15	1.44
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	15	1.44
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	15	1.44
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	15	1.44
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	15	1.44
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	15	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	15	1.44
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	8	1.44
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	8	1.44
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	8	1.44
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	9	1.44
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	9	1.44
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	9	1.44
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.44
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.44
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.44
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	17	1.44
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	17	1.44
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	17	1.44
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	17	1.44
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	17	1.44
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	17	1.44
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	17	1.44
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	17	1.44
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	17	1.44
(1,2514)	1:225:A:TYR:HD1	1:226:A:TYR:HB3	1	1.44
(1,2514)	1:225:A:TYR:HD2	1:226:A:TYR:HB3	1	1.44
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	15	1.44
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	15	1.44
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	15	1.44
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	15	1.44
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	5	1.44
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	13	1.44
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	1	1.44
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	1	1.44
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	15	1.44
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	15	1.44
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	15	1.44
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	15	1.44
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	15	1.44
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	15	1.44
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	15	1.44
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	15	1.44
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	15	1.44
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	8	1.44
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	8	1.44
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	8	1.44
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	9	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	9	1.44
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	9	1.44
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.44
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.44
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.44
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	17	1.44
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	17	1.44
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	17	1.44
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	17	1.44
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	17	1.44
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	17	1.44
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	17	1.44
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	17	1.44
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	17	1.44
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	18	1.43
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	18	1.43
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	18	1.43
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	18	1.43
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	18	1.43
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	18	1.43
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	2	1.43
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	2	1.43
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	2	1.43
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	2	1.43
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	2	1.43
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	2	1.43
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	2	1.43
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	2	1.43
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	2	1.43
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	2	1.43
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	2	1.43
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	2	1.43
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	6	1.43
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	6	1.43
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	6	1.43
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	8	1.43
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	8	1.43
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	8	1.43
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	19	1.43
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	19	1.43
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	19	1.43
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	9	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	9	1.43
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	9	1.43
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	10	1.43
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	10	1.43
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	10	1.43
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	5	1.43
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	5	1.43
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	5	1.43
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	15	1.43
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	15	1.43
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	15	1.43
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	18	1.43
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	18	1.43
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	18	1.43
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	18	1.43
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	18	1.43
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	18	1.43
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	2	1.43
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	2	1.43
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	2	1.43
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	2	1.43
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	2	1.43
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	2	1.43
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	2	1.43
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	2	1.43
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	2	1.43
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	2	1.43
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	2	1.43
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	2	1.43
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	6	1.43
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	6	1.43
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	6	1.43
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	8	1.43
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	8	1.43
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	8	1.43
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	19	1.43
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	19	1.43
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	19	1.43
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	9	1.43
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	9	1.43
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	9	1.43
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	10	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	10	1.43
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	10	1.43
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	5	1.43
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	5	1.43
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	5	1.43
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	15	1.43
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	15	1.43
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	15	1.43
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	5	1.42
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	5	1.42
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	5	1.42
(1,4829)	1:177:A:HIS:H	1:178:A:ASP:HB2	7	1.42
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	15	1.42
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	15	1.42
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	15	1.42
(1,3752)	1:161:A:VAL:HG21	1:217:A:GLN:HA	9	1.42
(1,3752)	1:161:A:VAL:HG22	1:217:A:GLN:HA	9	1.42
(1,3752)	1:161:A:VAL:HG23	1:217:A:GLN:HA	9	1.42
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	4	1.42
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	4	1.42
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	4	1.42
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	17	1.42
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	17	1.42
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	17	1.42
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	8	1.42
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	8	1.42
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	8	1.42
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	8	1.42
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	8	1.42
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	8	1.42
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	8	1.42
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	8	1.42
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	8	1.42
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	3	1.42
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	3	1.42
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	3	1.42
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	7	1.42
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	7	1.42
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	7	1.42
(1,3035)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	20	1.42
(1,3035)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	20	1.42
(1,3035)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	20	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	14	1.42
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	14	1.42
(1,2988)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	14	1.42
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	4	1.42
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	4	1.42
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	4	1.42
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	9	1.42
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	9	1.42
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	9	1.42
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	5	1.42
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	5	1.42
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	5	1.42
(1,2083)	1:177:A:HIS:H	1:178:A:ASP:HB2	7	1.42
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	15	1.42
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	15	1.42
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	15	1.42
(1,1006)	1:161:A:VAL:HG21	1:217:A:GLN:HA	9	1.42
(1,1006)	1:161:A:VAL:HG22	1:217:A:GLN:HA	9	1.42
(1,1006)	1:161:A:VAL:HG23	1:217:A:GLN:HA	9	1.42
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	4	1.42
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	4	1.42
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	4	1.42
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	17	1.42
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	17	1.42
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	17	1.42
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	8	1.42
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	8	1.42
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	8	1.42
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	8	1.42
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	8	1.42
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	8	1.42
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	8	1.42
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	8	1.42
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	8	1.42
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	3	1.42
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	3	1.42
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	3	1.42
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	7	1.42
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	7	1.42
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	7	1.42
(1,289)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	20	1.42
(1,289)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	20	1.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,289)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	20	1.42
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	14	1.42
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	14	1.42
(1,242)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	14	1.42
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	4	1.42
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	4	1.42
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	4	1.42
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	9	1.42
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	9	1.42
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	9	1.42
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	11	1.41
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	11	1.41
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	11	1.41
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	10	1.41
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	10	1.41
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	10	1.41
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	10	1.41
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	10	1.41
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	10	1.41
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	9	1.41
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	9	1.41
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	9	1.41
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	13	1.41
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	13	1.41
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	13	1.41
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	15	1.41
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	15	1.41
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	15	1.41
(1,3035)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	16	1.41
(1,3035)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	16	1.41
(1,3035)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	16	1.41
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	12	1.41
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	12	1.41
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	12	1.41
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	11	1.41
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	11	1.41
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	11	1.41
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	14	1.41
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	14	1.41
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	14	1.41
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	14	1.41
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	14	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	14	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	1	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	1	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	1	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	6	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	6	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	6	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	11	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	11	1.41
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	11	1.41
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	4	1.41
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	4	1.41
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	4	1.41
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	4	1.41
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	4	1.41
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	4	1.41
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	4	1.41
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	4	1.41
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	4	1.41
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	5	1.41
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	5	1.41
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	5	1.41
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	5	1.41
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	5	1.41
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	5	1.41
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	5	1.41
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	5	1.41
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	5	1.41
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	11	1.41
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	11	1.41
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	11	1.41
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	10	1.41
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	10	1.41
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	10	1.41
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	10	1.41
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	10	1.41
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	10	1.41
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	9	1.41
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	9	1.41
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	9	1.41
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	13	1.41
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	13	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	13	1.41
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	15	1.41
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	15	1.41
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	15	1.41
(1,289)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	16	1.41
(1,289)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	16	1.41
(1,289)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	16	1.41
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	12	1.41
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	12	1.41
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	12	1.41
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	11	1.41
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	11	1.41
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	11	1.41
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	14	1.41
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	14	1.41
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	14	1.41
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	14	1.41
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	14	1.41
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	14	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	1	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	1	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	1	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	6	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	6	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	6	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	11	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	11	1.41
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	11	1.41
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	4	1.41
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	4	1.41
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	4	1.41
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	4	1.41
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	4	1.41
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	4	1.41
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	4	1.41
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	4	1.41
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	4	1.41
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	5	1.41
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	5	1.41
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	5	1.41
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	5	1.41
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	5	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	5	1.41
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	5	1.41
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	5	1.41
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	5	1.41
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	17	1.4
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	17	1.4
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	17	1.4
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	17	1.4
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	17	1.4
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	17	1.4
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	1	1.4
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	1	1.4
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	1	1.4
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	4	1.4
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	4	1.4
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	4	1.4
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	4	1.4
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	4	1.4
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	4	1.4
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	4	1.4
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	4	1.4
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	4	1.4
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	2	1.4
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	2	1.4
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	2	1.4
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	19	1.4
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	19	1.4
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	19	1.4
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	19	1.4
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	19	1.4
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	19	1.4
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	8	1.4
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	8	1.4
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	8	1.4
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	17	1.4
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	17	1.4
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	17	1.4
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	17	1.4
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	17	1.4
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	17	1.4
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	1	1.4
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	1	1.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	1	1.4
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	4	1.4
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	4	1.4
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	4	1.4
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	4	1.4
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	4	1.4
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	4	1.4
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	4	1.4
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	4	1.4
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	4	1.4
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	2	1.4
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	2	1.4
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	2	1.4
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	19	1.4
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	19	1.4
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	19	1.4
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	19	1.4
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	19	1.4
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	19	1.4
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	8	1.4
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	8	1.4
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	8	1.4
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	2	1.39
(1,4144)	1:154:A:MET:HG3	1:155:A:TYR:HB2	3	1.39
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	10	1.39
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	10	1.39
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	10	1.39
(1,3752)	1:161:A:VAL:HG21	1:217:A:GLN:HA	14	1.39
(1,3752)	1:161:A:VAL:HG22	1:217:A:GLN:HA	14	1.39
(1,3752)	1:161:A:VAL:HG23	1:217:A:GLN:HA	14	1.39
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	14	1.39
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	14	1.39
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	14	1.39
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	5	1.39
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	5	1.39
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	5	1.39
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	5	1.39
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	5	1.39
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	5	1.39
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	5	1.39
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	5	1.39
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	5	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	10	1.39
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	10	1.39
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	10	1.39
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	10	1.39
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	10	1.39
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	10	1.39
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	10	1.39
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	10	1.39
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	10	1.39
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	2	1.39
(1,1398)	1:154:A:MET:HG3	1:155:A:TYR:HB2	3	1.39
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	10	1.39
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	10	1.39
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	10	1.39
(1,1006)	1:161:A:VAL:HG21	1:217:A:GLN:HA	14	1.39
(1,1006)	1:161:A:VAL:HG22	1:217:A:GLN:HA	14	1.39
(1,1006)	1:161:A:VAL:HG23	1:217:A:GLN:HA	14	1.39
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	14	1.39
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	14	1.39
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	14	1.39
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	5	1.39
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	5	1.39
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	5	1.39
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	5	1.39
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	5	1.39
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	5	1.39
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	5	1.39
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	5	1.39
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	5	1.39
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	10	1.39
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	10	1.39
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	10	1.39
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	10	1.39
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	10	1.39
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	10	1.39
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	10	1.39
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	10	1.39
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	10	1.39
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	8	1.38
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	17	1.38
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	7	1.38
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	11	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	11	1.38
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	11	1.38
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	9	1.38
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	9	1.38
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	9	1.38
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	8	1.38
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	8	1.38
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	8	1.38
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	17	1.38
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	17	1.38
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	17	1.38
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	8	1.38
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	17	1.38
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	7	1.38
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	11	1.38
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	11	1.38
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	11	1.38
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	9	1.38
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	9	1.38
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	9	1.38
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	8	1.38
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	8	1.38
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	8	1.38
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	17	1.38
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	17	1.38
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	17	1.38
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	13	1.37
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	13	1.37
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	13	1.37
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	2	1.37
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	2	1.37
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	2	1.37
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	2	1.37
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	2	1.37
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	2	1.37
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	16	1.37
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	16	1.37
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	16	1.37
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	20	1.37
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	20	1.37
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	20	1.37
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	20	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	20	1.37
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	20	1.37
(1,4212)	1:169:A:ALA:HA	1:174:A:ASN:HD21	1	1.37
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	13	1.37
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	5	1.37
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	5	1.37
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	5	1.37
(1,3308)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	8	1.37
(1,3308)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	8	1.37
(1,3308)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	8	1.37
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	14	1.37
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	10	1.37
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	10	1.37
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	10	1.37
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	11	1.37
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	11	1.37
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	11	1.37
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	14	1.37
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	14	1.37
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	14	1.37
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	13	1.37
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	13	1.37
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	13	1.37
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	2	1.37
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	2	1.37
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	2	1.37
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	2	1.37
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	2	1.37
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	2	1.37
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	16	1.37
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	16	1.37
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	16	1.37
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	20	1.37
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	20	1.37
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	20	1.37
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	20	1.37
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	20	1.37
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	20	1.37
(1,1466)	1:169:A:ALA:HA	1:174:A:ASN:HD21	1	1.37
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	13	1.37
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	5	1.37
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	5	1.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	5	1.37
(1,562)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	8	1.37
(1,562)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	8	1.37
(1,562)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	8	1.37
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	14	1.37
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	10	1.37
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	10	1.37
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	10	1.37
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	11	1.37
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	11	1.37
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	11	1.37
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	14	1.37
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	14	1.37
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	14	1.37
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	17	1.36
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	17	1.36
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	17	1.36
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	14	1.36
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	14	1.36
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	14	1.36
(1,3758)	1:200:A:GLU:HG3	1:204:A:LYS:HB2	10	1.36
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	13	1.36
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	13	1.36
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	13	1.36
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	13	1.36
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	13	1.36
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	13	1.36
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	14	1.36
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	14	1.36
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	14	1.36
(1,3035)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	12	1.36
(1,3035)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	12	1.36
(1,3035)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	12	1.36
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	13	1.36
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	13	1.36
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	13	1.36
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	7	1.36
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	7	1.36
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	7	1.36
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	7	1.36
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	7	1.36
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	7	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	7	1.36
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	7	1.36
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	7	1.36
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	17	1.36
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	17	1.36
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	17	1.36
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	14	1.36
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	14	1.36
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	14	1.36
(1,1012)	1:200:A:GLU:HG3	1:204:A:LYS:HB2	10	1.36
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	13	1.36
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	13	1.36
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	13	1.36
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	13	1.36
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	13	1.36
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	13	1.36
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	14	1.36
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	14	1.36
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	14	1.36
(1,289)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	12	1.36
(1,289)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	12	1.36
(1,289)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	12	1.36
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	13	1.36
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	13	1.36
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	13	1.36
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	7	1.36
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	7	1.36
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	7	1.36
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	7	1.36
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	7	1.36
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	7	1.36
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	7	1.36
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	7	1.36
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	7	1.36
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	5	1.35
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	6	1.35
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	19	1.35
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	2	1.35
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	2	1.35
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	2	1.35
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	7	1.35
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	7	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	7	1.35
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	11	1.35
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	11	1.35
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	11	1.35
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	4	1.35
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	4	1.35
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	4	1.35
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	17	1.35
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	17	1.35
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	17	1.35
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	3	1.35
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	3	1.35
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	3	1.35
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	6	1.35
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	6	1.35
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	6	1.35
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	5	1.35
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	5	1.35
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	5	1.35
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	5	1.35
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	6	1.35
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	19	1.35
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	2	1.35
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	2	1.35
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	2	1.35
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	7	1.35
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	7	1.35
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	7	1.35
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	11	1.35
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	11	1.35
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	11	1.35
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	4	1.35
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	4	1.35
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	4	1.35
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	17	1.35
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	17	1.35
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	17	1.35
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	3	1.35
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	3	1.35
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	3	1.35
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	6	1.35
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	6	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	6	1.35
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	5	1.35
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	5	1.35
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	5	1.35
(1,5237)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	9	1.34
(1,5237)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	9	1.34
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	1	1.34
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	1	1.34
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	1	1.34
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	20	1.34
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	20	1.34
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	20	1.34
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	20	1.34
(1,2491)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	9	1.34
(1,2491)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	9	1.34
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	1	1.34
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	1	1.34
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	1	1.34
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	20	1.34
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	20	1.34
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	20	1.34
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	20	1.34
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	8	1.33
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	8	1.33
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	8	1.33
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	8	1.33
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	8	1.33
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	8	1.33
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	8	1.33
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	8	1.33
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	8	1.33
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	13	1.33
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	13	1.33
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	13	1.33
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	1	1.33
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	1	1.33
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	1	1.33
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	4	1.33
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	4	1.33
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	4	1.33
(1,3035)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	10	1.33
(1,3035)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	10	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3035)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	10	1.33
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	12	1.33
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	2	1.33
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	2	1.33
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	2	1.33
(1,2874)	1:161:A:VAL:HG11	1:213:A:MET:H	8	1.33
(1,2874)	1:161:A:VAL:HG12	1:213:A:MET:H	8	1.33
(1,2874)	1:161:A:VAL:HG13	1:213:A:MET:H	8	1.33
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	14	1.33
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	14	1.33
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	14	1.33
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	8	1.33
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	8	1.33
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	8	1.33
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	8	1.33
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	8	1.33
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	8	1.33
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	8	1.33
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	8	1.33
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	8	1.33
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	13	1.33
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	13	1.33
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	13	1.33
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	1	1.33
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	1	1.33
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	1	1.33
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	4	1.33
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	4	1.33
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	4	1.33
(1,289)	1:176:A:VAL:HG11	1:177:A:HIS:HB2	10	1.33
(1,289)	1:176:A:VAL:HG12	1:177:A:HIS:HB2	10	1.33
(1,289)	1:176:A:VAL:HG13	1:177:A:HIS:HB2	10	1.33
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	12	1.33
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	2	1.33
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	2	1.33
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	2	1.33
(1,128)	1:161:A:VAL:HG11	1:213:A:MET:H	8	1.33
(1,128)	1:161:A:VAL:HG12	1:213:A:MET:H	8	1.33
(1,128)	1:161:A:VAL:HG13	1:213:A:MET:H	8	1.33
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	14	1.33
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	14	1.33
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	14	1.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	17	1.32
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	11	1.32
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	16	1.32
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	16	1.32
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	16	1.32
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	4	1.32
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	4	1.32
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	4	1.32
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	4	1.32
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	4	1.32
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	4	1.32
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	7	1.32
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	7	1.32
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	7	1.32
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	17	1.32
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	11	1.32
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	16	1.32
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	16	1.32
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	16	1.32
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	4	1.32
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	4	1.32
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	4	1.32
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	4	1.32
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	4	1.32
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	4	1.32
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	7	1.32
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	7	1.32
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	7	1.32
(1,5125)	1:172:A:GLN:HE22	1:219:A:GLN:HE22	6	1.31
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	3	1.31
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	3	1.31
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	3	1.31
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	3	1.31
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	3	1.31
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	3	1.31
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	18	1.31
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	12	1.31
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	12	1.31
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	12	1.31
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	17	1.31
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	17	1.31
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	17	1.31
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	17	1.31
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	17	1.31
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	17	1.31
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	17	1.31
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	17	1.31
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	19	1.31
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	19	1.31
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	19	1.31
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	19	1.31
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	19	1.31
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	19	1.31
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	19	1.31
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	19	1.31
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	19	1.31
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	20	1.31
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	20	1.31
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	20	1.31
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	20	1.31
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	20	1.31
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	20	1.31
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	20	1.31
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	20	1.31
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	20	1.31
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	20	1.31
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	20	1.31
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	20	1.31
(1,2379)	1:172:A:GLN:HE22	1:219:A:GLN:HE22	6	1.31
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	3	1.31
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	3	1.31
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	3	1.31
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	3	1.31
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	3	1.31
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	3	1.31
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	18	1.31
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	12	1.31
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	12	1.31
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	12	1.31
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	17	1.31
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	17	1.31
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	17	1.31
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	17	1.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	17	1.31
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	17	1.31
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	17	1.31
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	17	1.31
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	17	1.31
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	19	1.31
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	19	1.31
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	19	1.31
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	19	1.31
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	19	1.31
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	19	1.31
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	19	1.31
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	19	1.31
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	19	1.31
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	20	1.31
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	20	1.31
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	20	1.31
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	20	1.31
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	20	1.31
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	20	1.31
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	20	1.31
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	20	1.31
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	20	1.31
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	20	1.31
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	20	1.31
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	20	1.31
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	11	1.3
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	14	1.3
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	14	1.3
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	14	1.3
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	4	1.3
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	4	1.3
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	4	1.3
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	4	1.3
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	4	1.3
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	4	1.3
(1,4860)	1:201:A:THR:H	1:204:A:LYS:HB2	14	1.3
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	1	1.3
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	1	1.3
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	1	1.3
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	19	1.3
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	19	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	19	1.3
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	2	1.3
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	2	1.3
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	2	1.3
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	19	1.3
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	19	1.3
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	20	1.3
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	8	1.3
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	8	1.3
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	8	1.3
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	11	1.3
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	11	1.3
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	11	1.3
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	2	1.3
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	2	1.3
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	2	1.3
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	5	1.3
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	5	1.3
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	5	1.3
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	9	1.3
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	9	1.3
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	9	1.3
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	12	1.3
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	12	1.3
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	12	1.3
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	12	1.3
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	12	1.3
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	12	1.3
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	12	1.3
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	12	1.3
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	12	1.3
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	11	1.3
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	14	1.3
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	14	1.3
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	14	1.3
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	4	1.3
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	4	1.3
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	4	1.3
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	4	1.3
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	4	1.3
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	4	1.3
(1,2114)	1:201:A:THR:H	1:204:A:LYS:HB2	14	1.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	1	1.3
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	1	1.3
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	1	1.3
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	19	1.3
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	19	1.3
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	19	1.3
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	2	1.3
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	2	1.3
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	2	1.3
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	19	1.3
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	19	1.3
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	20	1.3
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	8	1.3
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	8	1.3
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	8	1.3
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	11	1.3
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	11	1.3
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	11	1.3
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	2	1.3
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	2	1.3
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	2	1.3
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	5	1.3
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	5	1.3
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	5	1.3
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	9	1.3
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	9	1.3
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	9	1.3
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	12	1.3
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	12	1.3
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	12	1.3
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	12	1.3
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	12	1.3
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	12	1.3
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	12	1.3
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	12	1.3
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	12	1.3
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	13	1.29
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	13	1.29
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	13	1.29
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	13	1.29
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	13	1.29
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	13	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	4	1.29
(1,5237)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	1	1.29
(1,5237)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	1	1.29
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	1	1.29
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	1	1.29
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	1	1.29
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	1	1.29
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	1	1.29
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	1	1.29
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	20	1.29
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	20	1.29
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	20	1.29
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	18	1.29
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	18	1.29
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	18	1.29
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	1	1.29
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	1	1.29
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	1	1.29
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	1	1.29
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	1	1.29
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	1	1.29
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	1	1.29
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	1	1.29
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	1	1.29
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	3	1.29
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	3	1.29
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	3	1.29
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	15	1.29
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	15	1.29
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	15	1.29
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	6	1.29
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	10	1.29
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	10	1.29
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	10	1.29
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	13	1.29
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	13	1.29
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	13	1.29
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	13	1.29
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	13	1.29
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	13	1.29
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	4	1.29
(1,2491)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	1	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2491)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	1	1.29
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	1	1.29
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	1	1.29
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	1	1.29
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	1	1.29
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	1	1.29
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	1	1.29
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	20	1.29
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	20	1.29
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	20	1.29
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	18	1.29
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	18	1.29
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	18	1.29
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	1	1.29
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	1	1.29
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	1	1.29
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	1	1.29
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	1	1.29
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	1	1.29
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	1	1.29
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	1	1.29
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	1	1.29
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	3	1.29
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	3	1.29
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	3	1.29
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	15	1.29
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	15	1.29
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	15	1.29
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	6	1.29
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	10	1.29
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	10	1.29
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	10	1.29
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	6	1.28
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	6	1.28
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	6	1.28
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	6	1.28
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	6	1.28
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	6	1.28
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	16	1.28
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	6	1.28
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	6	1.28
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	6	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	5	1.28
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	5	1.28
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	5	1.28
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	5	1.28
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	5	1.28
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	5	1.28
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	7	1.28
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	7	1.28
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	7	1.28
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	7	1.28
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	7	1.28
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	7	1.28
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	2	1.28
(1,3306)	1:224:A:ALA:HB2	1:225:A:TYR:HD1	10	1.28
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	7	1.28
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	7	1.28
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	7	1.28
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	12	1.28
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	12	1.28
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	12	1.28
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	10	1.28
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	10	1.28
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	10	1.28
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	18	1.28
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	18	1.28
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	18	1.28
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	5	1.28
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	5	1.28
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	5	1.28
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	6	1.28
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	6	1.28
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	6	1.28
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	6	1.28
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	6	1.28
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	6	1.28
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	16	1.28
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	6	1.28
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	6	1.28
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	6	1.28
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	5	1.28
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	5	1.28
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	5	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	5	1.28
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	5	1.28
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	5	1.28
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	7	1.28
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	7	1.28
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	7	1.28
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	7	1.28
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	7	1.28
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	7	1.28
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	2	1.28
(1,560)	1:224:A:ALA:HB2	1:225:A:TYR:HD1	10	1.28
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	7	1.28
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	7	1.28
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	7	1.28
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	12	1.28
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	12	1.28
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	12	1.28
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	10	1.28
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	10	1.28
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	10	1.28
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	18	1.28
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	18	1.28
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	18	1.28
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	5	1.28
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	5	1.28
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	5	1.28
(1,4290)	1:229:A:ARG:HA	1:230:A:ARG:HG3	12	1.27
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	12	1.27
(1,4036)	1:137:A:PRO:HB3	1:213:A:MET:HG2	11	1.27
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	3	1.27
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	3	1.27
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	3	1.27
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	8	1.27
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	1.27
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	1.27
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	1.27
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	6	1.27
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	6	1.27
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	6	1.27
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	2	1.27
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	2	1.27
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	2	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	2	1.27
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	2	1.27
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	2	1.27
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	2	1.27
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	2	1.27
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	2	1.27
(1,1544)	1:229:A:ARG:HA	1:230:A:ARG:HG3	12	1.27
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	12	1.27
(1,1290)	1:137:A:PRO:HB3	1:213:A:MET:HG2	11	1.27
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	3	1.27
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	3	1.27
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	3	1.27
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	8	1.27
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	1.27
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	1.27
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	1.27
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	6	1.27
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	6	1.27
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	6	1.27
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	2	1.27
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	2	1.27
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	2	1.27
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	2	1.27
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	2	1.27
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	2	1.27
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	2	1.27
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	2	1.27
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	2	1.27
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	3	1.26
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	3	1.26
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	3	1.26
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	20	1.26
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	20	1.26
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	20	1.26
(1,5374)	1:141:A:PHE:HZ	1:208:A:ARG:HB3	11	1.26
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	5	1.26
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	5	1.26
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	4	1.26
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	5	1.26
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	5	1.26
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	5	1.26
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	3	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	3	1.26
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	3	1.26
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	3	1.26
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	3	1.26
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	3	1.26
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	3	1.26
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	18	1.26
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	14	1.26
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	14	1.26
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	14	1.26
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	14	1.26
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	14	1.26
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	14	1.26
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	14	1.26
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	14	1.26
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	14	1.26
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	13	1.26
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	13	1.26
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	13	1.26
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	13	1.26
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	13	1.26
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	13	1.26
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	3	1.26
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	3	1.26
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	3	1.26
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	20	1.26
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	20	1.26
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	20	1.26
(1,2628)	1:141:A:PHE:HZ	1:208:A:ARG:HB3	11	1.26
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	5	1.26
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	5	1.26
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	4	1.26
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	5	1.26
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	5	1.26
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	5	1.26
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	3	1.26
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	3	1.26
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	3	1.26
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	3	1.26
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	3	1.26
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	3	1.26
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	3	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	18	1.26
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	14	1.26
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	14	1.26
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	14	1.26
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	14	1.26
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	14	1.26
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	14	1.26
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	14	1.26
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	14	1.26
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	14	1.26
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	13	1.26
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	13	1.26
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	13	1.26
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	13	1.26
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	13	1.26
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	13	1.26
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	11	1.25
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	11	1.25
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	11	1.25
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	11	1.25
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	11	1.25
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	11	1.25
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	12	1.25
(1,5202)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	12	1.25
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	12	1.25
(1,5202)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	12	1.25
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	12	1.25
(1,5202)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	12	1.25
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	11	1.25
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	11	1.25
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	11	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	4	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	4	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	4	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	10	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	10	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	10	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	18	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	18	1.25
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	18	1.25
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	15	1.25
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	15	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	15	1.25
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	4	1.25
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	4	1.25
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	4	1.25
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	4	1.25
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	4	1.25
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	4	1.25
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	4	1.25
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	4	1.25
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	4	1.25
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	11	1.25
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	11	1.25
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	11	1.25
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	11	1.25
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	11	1.25
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	11	1.25
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD1	12	1.25
(1,2456)	1:130:A:LEU:HD11	1:163:A:TYR:HD2	12	1.25
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD1	12	1.25
(1,2456)	1:130:A:LEU:HD12	1:163:A:TYR:HD2	12	1.25
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD1	12	1.25
(1,2456)	1:130:A:LEU:HD13	1:163:A:TYR:HD2	12	1.25
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	11	1.25
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	11	1.25
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	11	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	4	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	4	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	4	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	10	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	10	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	10	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	18	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	18	1.25
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	18	1.25
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	15	1.25
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	15	1.25
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	15	1.25
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	4	1.25
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	4	1.25
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	4	1.25
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	4	1.25
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	4	1.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	4	1.25
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	4	1.25
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	4	1.25
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	4	1.25
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	8	1.24
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	16	1.24
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	16	1.24
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	16	1.24
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	8	1.24
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	5	1.24
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	5	1.24
(1,5336)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	5	1.24
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	5	1.24
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	5	1.24
(1,5336)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	5	1.24
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	2	1.24
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	2	1.24
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	2	1.24
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	2	1.24
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	2	1.24
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	2	1.24
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	17	1.24
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	17	1.24
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	17	1.24
(1,3109)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	4	1.24
(1,3109)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	4	1.24
(1,3109)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	4	1.24
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	19	1.24
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	19	1.24
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	19	1.24
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	19	1.24
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	19	1.24
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	19	1.24
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	19	1.24
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	19	1.24
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	19	1.24
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	13	1.24
(1,2993)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	5	1.24
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	3	1.24
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	10	1.24
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	10	1.24
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	10	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	6	1.24
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	6	1.24
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	6	1.24
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG21	7	1.24
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG22	7	1.24
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG23	7	1.24
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	15	1.24
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	15	1.24
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	15	1.24
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	15	1.24
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	15	1.24
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	15	1.24
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	15	1.24
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	15	1.24
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	15	1.24
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	8	1.24
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	16	1.24
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	16	1.24
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	16	1.24
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	8	1.24
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	5	1.24
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	5	1.24
(1,2590)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	5	1.24
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	5	1.24
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	5	1.24
(1,2590)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	5	1.24
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	2	1.24
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	2	1.24
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	2	1.24
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	2	1.24
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	2	1.24
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	2	1.24
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	17	1.24
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	17	1.24
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	17	1.24
(1,363)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	4	1.24
(1,363)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	4	1.24
(1,363)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	4	1.24
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	19	1.24
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	19	1.24
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	19	1.24
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	19	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	19	1.24
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	19	1.24
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	19	1.24
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	19	1.24
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	19	1.24
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	13	1.24
(1,247)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	5	1.24
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	3	1.24
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	10	1.24
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	10	1.24
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	10	1.24
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	6	1.24
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	6	1.24
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	6	1.24
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG21	7	1.24
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG22	7	1.24
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG23	7	1.24
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	15	1.24
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	15	1.24
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	15	1.24
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	15	1.24
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	15	1.24
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	15	1.24
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	15	1.24
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	15	1.24
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	15	1.24
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	19	1.23
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	19	1.23
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	10	1.23
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	18	1.23
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	10	1.23
(1,4167)	1:166:A:VAL:HG11	1:167:A:ASP:HA	5	1.23
(1,4167)	1:166:A:VAL:HG12	1:167:A:ASP:HA	5	1.23
(1,4167)	1:166:A:VAL:HG13	1:167:A:ASP:HA	5	1.23
(1,4142)	1:154:A:MET:HG3	1:155:A:TYR:HE1	3	1.23
(1,4142)	1:154:A:MET:HG3	1:155:A:TYR:HE2	3	1.23
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	19	1.23
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	19	1.23
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	19	1.23
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG21	2	1.23
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG22	2	1.23
(1,3672)	1:206:A:MET:HA	1:210:A:VAL:HG23	2	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	11	1.23
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	11	1.23
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	11	1.23
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	11	1.23
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	10	1.23
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	10	1.23
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	10	1.23
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	14	1.23
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	14	1.23
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	14	1.23
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	7	1.23
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	7	1.23
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	7	1.23
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	19	1.23
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	19	1.23
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	10	1.23
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	18	1.23
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	10	1.23
(1,1421)	1:166:A:VAL:HG11	1:167:A:ASP:HA	5	1.23
(1,1421)	1:166:A:VAL:HG12	1:167:A:ASP:HA	5	1.23
(1,1421)	1:166:A:VAL:HG13	1:167:A:ASP:HA	5	1.23
(1,1396)	1:154:A:MET:HG3	1:155:A:TYR:HE1	3	1.23
(1,1396)	1:154:A:MET:HG3	1:155:A:TYR:HE2	3	1.23
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	19	1.23
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	19	1.23
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	19	1.23
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG21	2	1.23
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG22	2	1.23
(1,926)	1:206:A:MET:HA	1:210:A:VAL:HG23	2	1.23
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	11	1.23
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	11	1.23
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	11	1.23
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	11	1.23
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	10	1.23
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	10	1.23
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	10	1.23
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	14	1.23
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	14	1.23
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	14	1.23
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	7	1.23
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	7	1.23
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	7	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	5	1.22
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE1	14	1.22
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE2	14	1.22
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE3	14	1.22
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	5	1.22
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	5	1.22
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	5	1.22
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	5	1.22
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	4	1.22
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	15	1.22
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	15	1.22
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	15	1.22
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG11	8	1.22
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG12	8	1.22
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG13	8	1.22
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	8	1.22
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	8	1.22
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	8	1.22
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	8	1.22
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	8	1.22
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	8	1.22
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	8	1.22
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	8	1.22
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	8	1.22
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	5	1.22
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE1	14	1.22
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE2	14	1.22
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE3	14	1.22
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	5	1.22
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	5	1.22
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	5	1.22
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	5	1.22
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	4	1.22
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	15	1.22
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	15	1.22
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	15	1.22
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG11	8	1.22
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG12	8	1.22
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG13	8	1.22
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	8	1.22
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	8	1.22
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	8	1.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	8	1.22
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	8	1.22
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	8	1.22
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	8	1.22
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	8	1.22
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	8	1.22
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	5	1.21
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	7	1.21
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	20	1.21
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	12	1.21
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	12	1.21
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	12	1.21
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	19	1.21
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	19	1.21
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	19	1.21
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG21	7	1.21
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG22	7	1.21
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG23	7	1.21
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	4	1.21
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	4	1.21
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	4	1.21
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	5	1.21
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	7	1.21
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	20	1.21
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	12	1.21
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	12	1.21
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	12	1.21
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	19	1.21
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	19	1.21
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	19	1.21
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG21	7	1.21
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG22	7	1.21
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG23	7	1.21
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	4	1.21
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	4	1.21
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	4	1.21
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	10	1.2
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	10	1.2
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	10	1.2
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	2	1.2
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	2	1.2
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	3	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	3	1.2
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	3	1.2
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	3	1.2
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	3	1.2
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	3	1.2
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	3	1.2
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	3	1.2
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	3	1.2
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	16	1.2
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	16	1.2
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	16	1.2
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	9	1.2
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	11	1.2
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	5	1.2
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	5	1.2
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	6	1.2
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	6	1.2
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	6	1.2
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	15	1.2
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	15	1.2
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	15	1.2
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	16	1.2
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	16	1.2
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	16	1.2
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	8	1.2
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	8	1.2
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	8	1.2
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	12	1.2
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	12	1.2
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	12	1.2
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	12	1.2
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG11	14	1.2
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG12	14	1.2
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG13	14	1.2
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	10	1.2
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	10	1.2
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	10	1.2
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	2	1.2
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	2	1.2
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	3	1.2
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	3	1.2
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	3	1.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	3	1.2
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	3	1.2
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	3	1.2
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	3	1.2
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	3	1.2
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	3	1.2
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	16	1.2
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	16	1.2
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	16	1.2
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	9	1.2
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	11	1.2
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	5	1.2
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	5	1.2
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	6	1.2
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	6	1.2
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	6	1.2
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	15	1.2
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	15	1.2
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	15	1.2
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	16	1.2
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	16	1.2
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	16	1.2
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	8	1.2
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	8	1.2
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	8	1.2
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	12	1.2
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	12	1.2
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	12	1.2
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	12	1.2
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG11	14	1.2
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG12	14	1.2
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG13	14	1.2
(1,5365)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	9	1.19
(1,5365)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	9	1.19
(1,5365)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	9	1.19
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	10	1.19
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	4	1.19
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG21	7	1.19
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG22	7	1.19
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG23	7	1.19
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	14	1.19
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	1	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	1	1.19
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	1	1.19
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	14	1.19
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	14	1.19
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	14	1.19
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	2	1.19
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	2	1.19
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	2	1.19
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	9	1.19
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	9	1.19
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	9	1.19
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	9	1.19
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	9	1.19
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	9	1.19
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	9	1.19
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	9	1.19
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	9	1.19
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	10	1.19
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	10	1.19
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	10	1.19
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	17	1.19
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	17	1.19
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	17	1.19
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	19	1.19
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	19	1.19
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	19	1.19
(1,2619)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	9	1.19
(1,2619)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	9	1.19
(1,2619)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	9	1.19
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	10	1.19
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	4	1.19
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG21	7	1.19
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG22	7	1.19
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG23	7	1.19
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	14	1.19
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	1	1.19
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	1	1.19
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	1	1.19
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	14	1.19
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	14	1.19
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	14	1.19
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	2	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	2	1.19
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	2	1.19
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	9	1.19
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	9	1.19
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	9	1.19
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	9	1.19
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	9	1.19
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	9	1.19
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	9	1.19
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	9	1.19
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	9	1.19
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	10	1.19
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	10	1.19
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	10	1.19
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	17	1.19
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	17	1.19
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	17	1.19
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	19	1.19
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	19	1.19
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	19	1.19
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	19	1.18
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	19	1.18
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	19	1.18
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	16	1.18
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	16	1.18
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	20	1.18
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	1	1.18
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	1	1.18
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	1	1.18
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	14	1.18
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	11	1.18
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	11	1.18
(1,3752)	1:161:A:VAL:HG21	1:217:A:GLN:HA	8	1.18
(1,3752)	1:161:A:VAL:HG22	1:217:A:GLN:HA	8	1.18
(1,3752)	1:161:A:VAL:HG23	1:217:A:GLN:HA	8	1.18
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	6	1.18
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	6	1.18
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	13	1.18
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	13	1.18
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	13	1.18
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	13	1.18
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	13	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	13	1.18
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	13	1.18
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	13	1.18
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	13	1.18
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	9	1.18
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	9	1.18
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	9	1.18
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	13	1.18
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	19	1.18
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	11	1.18
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	11	1.18
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	11	1.18
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	11	1.18
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	11	1.18
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	11	1.18
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	11	1.18
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	11	1.18
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	11	1.18
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	1	1.18
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	1	1.18
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	1	1.18
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	19	1.18
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	19	1.18
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	19	1.18
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	1	1.18
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	1	1.18
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	1	1.18
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	1	1.18
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	1	1.18
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	1	1.18
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	20	1.18
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	20	1.18
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	20	1.18
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	19	1.18
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	19	1.18
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	19	1.18
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	16	1.18
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	16	1.18
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	20	1.18
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	1	1.18
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	1	1.18
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	1	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	14	1.18
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	11	1.18
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	11	1.18
(1,1006)	1:161:A:VAL:HG21	1:217:A:GLN:HA	8	1.18
(1,1006)	1:161:A:VAL:HG22	1:217:A:GLN:HA	8	1.18
(1,1006)	1:161:A:VAL:HG23	1:217:A:GLN:HA	8	1.18
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	6	1.18
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	6	1.18
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	13	1.18
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	13	1.18
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	13	1.18
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	13	1.18
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	13	1.18
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	13	1.18
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	13	1.18
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	13	1.18
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	13	1.18
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	9	1.18
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	9	1.18
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	9	1.18
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	13	1.18
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	19	1.18
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	11	1.18
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	11	1.18
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	11	1.18
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	11	1.18
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	11	1.18
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	11	1.18
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	11	1.18
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	11	1.18
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	11	1.18
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	1	1.18
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	1	1.18
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	1	1.18
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	19	1.18
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	19	1.18
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	19	1.18
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	1	1.18
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	1	1.18
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	1	1.18
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	1	1.18
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	1	1.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	1	1.18
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	20	1.18
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	20	1.18
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	20	1.18
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	6	1.17
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	9	1.17
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	9	1.17
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	9	1.17
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	9	1.17
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	9	1.17
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	9	1.17
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	10	1.17
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	10	1.17
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	10	1.17
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	12	1.17
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	9	1.17
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	9	1.17
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	9	1.17
(1,3664)	1:176:A:VAL:HG11	1:177:A:HIS:HA	16	1.17
(1,3664)	1:176:A:VAL:HG12	1:177:A:HIS:HA	16	1.17
(1,3664)	1:176:A:VAL:HG13	1:177:A:HIS:HA	16	1.17
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	3	1.17
(1,3306)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	18	1.17
(1,3119)	1:209:A:VAL:HG21	1:210:A:VAL:HA	20	1.17
(1,3119)	1:209:A:VAL:HG22	1:210:A:VAL:HA	20	1.17
(1,3119)	1:209:A:VAL:HG23	1:210:A:VAL:HA	20	1.17
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	20	1.17
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	20	1.17
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	20	1.17
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	9	1.17
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	5	1.17
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	5	1.17
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	5	1.17
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	6	1.17
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	6	1.17
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	6	1.17
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	2	1.17
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	2	1.17
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	2	1.17
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	20	1.17
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	20	1.17
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	20	1.17
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	20	1.17
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	20	1.17
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	20	1.17
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	20	1.17
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	20	1.17
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	6	1.17
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	9	1.17
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	9	1.17
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	9	1.17
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	9	1.17
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	9	1.17
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	9	1.17
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	10	1.17
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	10	1.17
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	10	1.17
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	12	1.17
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	9	1.17
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	9	1.17
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	9	1.17
(1,918)	1:176:A:VAL:HG11	1:177:A:HIS:HA	16	1.17
(1,918)	1:176:A:VAL:HG12	1:177:A:HIS:HA	16	1.17
(1,918)	1:176:A:VAL:HG13	1:177:A:HIS:HA	16	1.17
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	3	1.17
(1,560)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	18	1.17
(1,373)	1:209:A:VAL:HG21	1:210:A:VAL:HA	20	1.17
(1,373)	1:209:A:VAL:HG22	1:210:A:VAL:HA	20	1.17
(1,373)	1:209:A:VAL:HG23	1:210:A:VAL:HA	20	1.17
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	20	1.17
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	20	1.17
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	20	1.17
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	9	1.17
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	5	1.17
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	5	1.17
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	5	1.17
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	6	1.17
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	6	1.17
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	6	1.17
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	2	1.17
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	2	1.17
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	2	1.17
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	20	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	20	1.17
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	20	1.17
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	20	1.17
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	20	1.17
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	20	1.17
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	20	1.17
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	20	1.17
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	20	1.17
(1,5237)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	3	1.16
(1,5237)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	3	1.16
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	8	1.16
(1,5206)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	8	1.16
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	8	1.16
(1,5206)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	8	1.16
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	8	1.16
(1,5206)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	8	1.16
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	5	1.16
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	5	1.16
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	5	1.16
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	20	1.16
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	5	1.16
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	6	1.16
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	6	1.16
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	6	1.16
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	3	1.16
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	3	1.16
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	3	1.16
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	3	1.16
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	3	1.16
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	3	1.16
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	3	1.16
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	3	1.16
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	3	1.16
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	14	1.16
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	14	1.16
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	14	1.16
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	14	1.16
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	14	1.16
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	14	1.16
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	14	1.16
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	14	1.16
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	14	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	12	1.16
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	12	1.16
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	12	1.16
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	2	1.16
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	2	1.16
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	2	1.16
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	2	1.16
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	2	1.16
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	2	1.16
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	6	1.16
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	6	1.16
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	6	1.16
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	6	1.16
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	6	1.16
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	6	1.16
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	8	1.16
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	8	1.16
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	8	1.16
(1,2491)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	3	1.16
(1,2491)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	3	1.16
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	8	1.16
(1,2460)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	8	1.16
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	8	1.16
(1,2460)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	8	1.16
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	8	1.16
(1,2460)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	8	1.16
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	5	1.16
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	5	1.16
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	5	1.16
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	20	1.16
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	5	1.16
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	6	1.16
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	6	1.16
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	6	1.16
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	3	1.16
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	3	1.16
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	3	1.16
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	3	1.16
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	3	1.16
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	3	1.16
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	3	1.16
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	3	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	3	1.16
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	14	1.16
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	14	1.16
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	14	1.16
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	14	1.16
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	14	1.16
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	14	1.16
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	14	1.16
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	14	1.16
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	14	1.16
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	12	1.16
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	12	1.16
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	12	1.16
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	2	1.16
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	2	1.16
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	2	1.16
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	2	1.16
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	2	1.16
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	2	1.16
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	6	1.16
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	6	1.16
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	6	1.16
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	6	1.16
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	6	1.16
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	6	1.16
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	8	1.16
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	8	1.16
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	8	1.16
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	5	1.15
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	5	1.15
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	8	1.15
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	8	1.15
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	8	1.15
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	8	1.15
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	8	1.15
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	8	1.15
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG11	10	1.15
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG12	10	1.15
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG13	10	1.15
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	5	1.15
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	2	1.15
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	20	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	15	1.15
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	15	1.15
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	6	1.15
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	6	1.15
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	6	1.15
(1,3072)	1:154:A:MET:H	1:156:A:ARG:HD2	11	1.15
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	9	1.15
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	9	1.15
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	9	1.15
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	9	1.15
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	5	1.15
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	5	1.15
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	8	1.15
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	8	1.15
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	8	1.15
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	8	1.15
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	8	1.15
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	8	1.15
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG11	10	1.15
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG12	10	1.15
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG13	10	1.15
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	5	1.15
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	2	1.15
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	20	1.15
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	15	1.15
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	15	1.15
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	6	1.15
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	6	1.15
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	6	1.15
(1,326)	1:154:A:MET:H	1:156:A:ARG:HD2	11	1.15
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	9	1.15
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	9	1.15
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	9	1.15
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	9	1.15
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	15	1.14
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	19	1.14
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	6	1.14
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	6	1.14
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	6	1.14
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	13	1.14
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	19	1.14
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	11	1.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	11	1.14
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	11	1.14
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	11	1.14
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	11	1.14
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	11	1.14
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	15	1.14
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	19	1.14
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	6	1.14
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	6	1.14
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	6	1.14
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	13	1.14
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	19	1.14
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	11	1.14
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	11	1.14
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	11	1.14
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	11	1.14
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	11	1.14
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	11	1.14
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	12	1.13
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	10	1.13
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	10	1.13
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	5	1.13
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	5	1.13
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	5	1.13
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	5	1.13
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	5	1.13
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	5	1.13
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	6	1.13
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	6	1.13
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	6	1.13
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	6	1.13
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	6	1.13
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	6	1.13
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	20	1.13
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	20	1.13
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	20	1.13
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	1	1.13
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	14	1.13
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	14	1.13
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	14	1.13
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	4	1.13
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	4	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	4	1.13
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	4	1.13
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	4	1.13
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	4	1.13
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	4	1.13
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	4	1.13
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	4	1.13
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG21	11	1.13
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG22	11	1.13
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG23	11	1.13
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	12	1.13
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	10	1.13
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	10	1.13
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	5	1.13
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	5	1.13
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	5	1.13
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	5	1.13
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	5	1.13
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	5	1.13
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	6	1.13
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	6	1.13
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	6	1.13
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	6	1.13
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	6	1.13
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	6	1.13
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	20	1.13
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	20	1.13
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	20	1.13
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	1	1.13
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	14	1.13
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	14	1.13
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	14	1.13
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	4	1.13
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	4	1.13
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	4	1.13
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	4	1.13
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	4	1.13
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	4	1.13
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	4	1.13
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	4	1.13
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	4	1.13
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG21	11	1.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG22	11	1.13
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG23	11	1.13
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	13	1.12
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	13	1.12
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	14	1.12
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	17	1.12
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	3	1.12
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	3	1.12
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	3	1.12
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG21	2	1.12
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG22	2	1.12
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG23	2	1.12
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG11	7	1.12
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG12	7	1.12
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG13	7	1.12
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG11	7	1.12
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG12	7	1.12
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG13	7	1.12
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG11	7	1.12
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG12	7	1.12
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG13	7	1.12
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	10	1.12
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	10	1.12
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	10	1.12
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	10	1.12
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	10	1.12
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	10	1.12
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	17	1.12
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	17	1.12
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	17	1.12
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	17	1.12
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	17	1.12
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	17	1.12
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	17	1.12
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	17	1.12
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	17	1.12
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	17	1.12
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	1.12
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	1.12
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	1.12
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	1.12
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	1.12
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	15	1.12
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	15	1.12
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	15	1.12
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	19	1.12
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	19	1.12
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	19	1.12
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	11	1.12
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	11	1.12
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	11	1.12
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	12	1.12
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	12	1.12
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	12	1.12
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	10	1.12
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	10	1.12
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	10	1.12
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	14	1.12
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	14	1.12
(1,2834)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	14	1.12
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	14	1.12
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	14	1.12
(1,2834)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	14	1.12
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	14	1.12
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	14	1.12
(1,2834)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	14	1.12
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	13	1.12
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	13	1.12
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	14	1.12
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	17	1.12
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	3	1.12
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	3	1.12
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	3	1.12
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG21	2	1.12
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG22	2	1.12
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG23	2	1.12
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG11	7	1.12
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG12	7	1.12
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG13	7	1.12
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG11	7	1.12
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG12	7	1.12
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG13	7	1.12
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG11	7	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG12	7	1.12
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG13	7	1.12
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	10	1.12
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	10	1.12
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	10	1.12
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	10	1.12
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	10	1.12
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	10	1.12
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	17	1.12
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	17	1.12
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	17	1.12
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	17	1.12
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	17	1.12
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	17	1.12
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	17	1.12
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	17	1.12
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	17	1.12
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	17	1.12
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	1.12
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	1.12
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	1.12
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	1.12
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	1.12
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	1.12
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	15	1.12
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	15	1.12
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	15	1.12
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	19	1.12
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	19	1.12
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	19	1.12
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	11	1.12
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	11	1.12
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	11	1.12
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	12	1.12
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	12	1.12
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	12	1.12
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	10	1.12
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	10	1.12
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	10	1.12
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	14	1.12
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	14	1.12
(1,88)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	14	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	14	1.12
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	14	1.12
(1,88)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	14	1.12
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	14	1.12
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	14	1.12
(1,88)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	14	1.12
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	3	1.11
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	6	1.11
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	6	1.11
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	7	1.11
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	7	1.11
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	7	1.11
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	11	1.11
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	7	1.11
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	7	1.11
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	5	1.11
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	5	1.11
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	5	1.11
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	5	1.11
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	5	1.11
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	5	1.11
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	5	1.11
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	5	1.11
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	5	1.11
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	6	1.11
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	6	1.11
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	6	1.11
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	10	1.11
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	10	1.11
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	10	1.11
(1,3308)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	9	1.11
(1,3308)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	9	1.11
(1,3308)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	9	1.11
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	14	1.11
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	14	1.11
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	14	1.11
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	14	1.11
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	14	1.11
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	14	1.11
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	14	1.11
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	14	1.11
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	2	1.11
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	2	1.11
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	2	1.11
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG21	14	1.11
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG22	14	1.11
(1,2840)	1:206:A:MET:HG2	1:210:A:VAL:HG23	14	1.11
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	3	1.11
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	6	1.11
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	6	1.11
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	7	1.11
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	7	1.11
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	7	1.11
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	11	1.11
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	7	1.11
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	7	1.11
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	5	1.11
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	5	1.11
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	5	1.11
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	5	1.11
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	5	1.11
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	5	1.11
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	5	1.11
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	5	1.11
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	5	1.11
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	6	1.11
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	6	1.11
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	6	1.11
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	10	1.11
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	10	1.11
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	10	1.11
(1,562)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	9	1.11
(1,562)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	9	1.11
(1,562)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	9	1.11
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	14	1.11
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	14	1.11
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	14	1.11
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	14	1.11
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	14	1.11
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	14	1.11
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	14	1.11
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	14	1.11
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	14	1.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	2	1.11
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	2	1.11
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	2	1.11
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG21	14	1.11
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG22	14	1.11
(1,94)	1:206:A:MET:HG2	1:210:A:VAL:HG23	14	1.11
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	17	1.1
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	17	1.1
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	17	1.1
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	17	1.1
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	17	1.1
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	17	1.1
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	15	1.1
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	6	1.1
(1,5038)	1:132:A:SER:H	1:160:A:GLN:HE21	20	1.1
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	18	1.1
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	1	1.1
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	7	1.1
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	7	1.1
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	7	1.1
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	5	1.1
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	2	1.1
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	2	1.1
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	2	1.1
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	12	1.1
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	14	1.1
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	11	1.1
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	11	1.1
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	11	1.1
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	11	1.1
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	11	1.1
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	11	1.1
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	11	1.1
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	11	1.1
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	11	1.1
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	1	1.1
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	1	1.1
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	1	1.1
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	1	1.1
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	1	1.1
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	1	1.1
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	2	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	2	1.1
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	2	1.1
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	17	1.1
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	17	1.1
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	17	1.1
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	17	1.1
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	17	1.1
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	17	1.1
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	15	1.1
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	6	1.1
(1,2292)	1:132:A:SER:H	1:160:A:GLN:HE21	20	1.1
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	18	1.1
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	1	1.1
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	7	1.1
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	7	1.1
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	7	1.1
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	5	1.1
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	2	1.1
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	2	1.1
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	2	1.1
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD2	12	1.1
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	14	1.1
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	11	1.1
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	11	1.1
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	11	1.1
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	11	1.1
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	11	1.1
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	11	1.1
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	11	1.1
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	11	1.1
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	11	1.1
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	1	1.1
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	1	1.1
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	1	1.1
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	1	1.1
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	1	1.1
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	1	1.1
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	2	1.1
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	2	1.1
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	2	1.1
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	15	1.09
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	15	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5376)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	15	1.09
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	9	1.09
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	5	1.09
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	5	1.09
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	5	1.09
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	5	1.09
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	5	1.09
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	5	1.09
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	2	1.09
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	2	1.09
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	2	1.09
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	2	1.09
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	2	1.09
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	2	1.09
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	19	1.09
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	9	1.09
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	9	1.09
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	18	1.09
(1,3664)	1:176:A:VAL:HG11	1:177:A:HIS:HA	12	1.09
(1,3664)	1:176:A:VAL:HG12	1:177:A:HIS:HA	12	1.09
(1,3664)	1:176:A:VAL:HG13	1:177:A:HIS:HA	12	1.09
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	2	1.09
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	2	1.09
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	2	1.09
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	2	1.09
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	2	1.09
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	2	1.09
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	2	1.09
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	2	1.09
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	2	1.09
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	8	1.09
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	8	1.09
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	8	1.09
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	8	1.09
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	8	1.09
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	8	1.09
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	19	1.09
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	19	1.09
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	19	1.09
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	6	1.09
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	6	1.09
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	6	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	4	1.09
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	4	1.09
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	4	1.09
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	8	1.09
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	8	1.09
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	8	1.09
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	8	1.09
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	8	1.09
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	8	1.09
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	8	1.09
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	8	1.09
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	8	1.09
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	9	1.09
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	9	1.09
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	9	1.09
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	15	1.09
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	15	1.09
(1,2630)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	15	1.09
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	9	1.09
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	5	1.09
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	5	1.09
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	5	1.09
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	5	1.09
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	5	1.09
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	5	1.09
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	2	1.09
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	2	1.09
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	2	1.09
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	2	1.09
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	2	1.09
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	2	1.09
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	19	1.09
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	9	1.09
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	9	1.09
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	18	1.09
(1,918)	1:176:A:VAL:HG11	1:177:A:HIS:HA	12	1.09
(1,918)	1:176:A:VAL:HG12	1:177:A:HIS:HA	12	1.09
(1,918)	1:176:A:VAL:HG13	1:177:A:HIS:HA	12	1.09
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	2	1.09
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	2	1.09
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	2	1.09
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	2	1.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	2	1.09
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	2	1.09
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	2	1.09
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	2	1.09
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	2	1.09
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	8	1.09
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	8	1.09
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	8	1.09
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	8	1.09
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	8	1.09
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	8	1.09
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	19	1.09
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	19	1.09
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	19	1.09
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	6	1.09
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	6	1.09
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	6	1.09
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	4	1.09
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	4	1.09
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	4	1.09
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	8	1.09
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	8	1.09
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	8	1.09
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	8	1.09
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	8	1.09
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	8	1.09
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	8	1.09
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	8	1.09
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	8	1.09
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	9	1.09
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	9	1.09
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	9	1.09
(1,5365)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	5	1.08
(1,5365)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	5	1.08
(1,5365)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	5	1.08
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	18	1.08
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	18	1.08
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	19	1.08
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	19	1.08
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	19	1.08
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	19	1.08
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	19	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	19	1.08
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	7	1.08
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	11	1.08
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	11	1.08
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	11	1.08
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	4	1.08
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	19	1.08
(1,3664)	1:176:A:VAL:HG11	1:177:A:HIS:HA	20	1.08
(1,3664)	1:176:A:VAL:HG12	1:177:A:HIS:HA	20	1.08
(1,3664)	1:176:A:VAL:HG13	1:177:A:HIS:HA	20	1.08
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	5	1.08
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	4	1.08
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	4	1.08
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	4	1.08
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	12	1.08
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	12	1.08
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	12	1.08
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	12	1.08
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	12	1.08
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	12	1.08
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	12	1.08
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	12	1.08
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	12	1.08
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	12	1.08
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	12	1.08
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	12	1.08
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	4	1.08
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	4	1.08
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	4	1.08
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	18	1.08
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	18	1.08
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	18	1.08
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	9	1.08
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	19	1.08
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	19	1.08
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	19	1.08
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	19	1.08
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	19	1.08
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	19	1.08
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	19	1.08
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	19	1.08
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	19	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	10	1.08
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	11	1.08
(1,2619)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	5	1.08
(1,2619)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	5	1.08
(1,2619)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	5	1.08
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	18	1.08
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	18	1.08
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	19	1.08
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	19	1.08
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	19	1.08
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	19	1.08
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	19	1.08
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	19	1.08
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	7	1.08
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	11	1.08
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	11	1.08
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	11	1.08
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	4	1.08
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	19	1.08
(1,918)	1:176:A:VAL:HG11	1:177:A:HIS:HA	20	1.08
(1,918)	1:176:A:VAL:HG12	1:177:A:HIS:HA	20	1.08
(1,918)	1:176:A:VAL:HG13	1:177:A:HIS:HA	20	1.08
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	5	1.08
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	4	1.08
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	4	1.08
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	4	1.08
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	12	1.08
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	12	1.08
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	12	1.08
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	12	1.08
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	12	1.08
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	12	1.08
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	12	1.08
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	12	1.08
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	12	1.08
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	12	1.08
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	12	1.08
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	12	1.08
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	4	1.08
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	4	1.08
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	4	1.08
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	18	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	18	1.08
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	18	1.08
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	9	1.08
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	19	1.08
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	19	1.08
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	19	1.08
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	19	1.08
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	19	1.08
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	19	1.08
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	19	1.08
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	19	1.08
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	19	1.08
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	10	1.08
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	11	1.08
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	9	1.07
(1,5471)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	9	1.07
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	9	1.07
(1,5471)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	9	1.07
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	9	1.07
(1,5471)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	9	1.07
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	11	1.07
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	6	1.07
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	6	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	4	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	4	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	4	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	10	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	10	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	10	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	20	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	20	1.07
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	20	1.07
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	10	1.07
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	10	1.07
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	10	1.07
(1,3722)	1:148:A:ARG:HA	1:152:A:GLU:HG3	3	1.07
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	1	1.07
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	1	1.07
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	1	1.07
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	1	1.07
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	1	1.07
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	1	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	1	1.07
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	1	1.07
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	1	1.07
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	5	1.07
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	10	1.07
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	10	1.07
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	10	1.07
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD1	16	1.07
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	4	1.07
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	4	1.07
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	4	1.07
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	4	1.07
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	4	1.07
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	4	1.07
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	9	1.07
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	9	1.07
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	9	1.07
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	9	1.07
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	9	1.07
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	9	1.07
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	9	1.07
(1,2725)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	9	1.07
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	9	1.07
(1,2725)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	9	1.07
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	9	1.07
(1,2725)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	9	1.07
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	11	1.07
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	6	1.07
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	6	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	4	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	4	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	4	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	10	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	10	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	10	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	20	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	20	1.07
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	20	1.07
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	10	1.07
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	10	1.07
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	10	1.07
(1,976)	1:148:A:ARG:HA	1:152:A:GLU:HG3	3	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	1	1.07
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	1	1.07
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	1	1.07
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	1	1.07
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	1	1.07
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	1	1.07
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	1	1.07
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	1	1.07
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	1	1.07
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	5	1.07
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	10	1.07
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	10	1.07
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	10	1.07
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD1	16	1.07
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	4	1.07
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	4	1.07
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	4	1.07
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	4	1.07
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	4	1.07
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	4	1.07
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	9	1.07
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	9	1.07
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	9	1.07
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	9	1.07
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	9	1.07
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	9	1.07
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	12	1.06
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	12	1.06
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	20	1.06
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	20	1.06
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	13	1.06
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	13	1.06
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	13	1.06
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	13	1.06
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	13	1.06
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	13	1.06
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	9	1.06
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	6	1.06
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	6	1.06
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	6	1.06
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	17	1.06
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	17	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	17	1.06
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	11	1.06
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	5	1.06
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	9	1.06
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	9	1.06
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	9	1.06
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	9	1.06
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	9	1.06
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	9	1.06
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	16	1.06
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	16	1.06
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	16	1.06
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	16	1.06
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	16	1.06
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	16	1.06
(1,4167)	1:166:A:VAL:HG11	1:167:A:ASP:HA	9	1.06
(1,4167)	1:166:A:VAL:HG12	1:167:A:ASP:HA	9	1.06
(1,4167)	1:166:A:VAL:HG13	1:167:A:ASP:HA	9	1.06
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	12	1.06
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	12	1.06
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	12	1.06
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	14	1.06
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	14	1.06
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	14	1.06
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	18	1.06
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	18	1.06
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	8	1.06
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	8	1.06
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	8	1.06
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	20	1.06
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	8	1.06
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	8	1.06
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	11	1.06
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	11	1.06
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	18	1.06
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	18	1.06
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	18	1.06
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	13	1.06
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	13	1.06
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	13	1.06
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	13	1.06
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	13	1.06
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	13	1.06
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	13	1.06
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	13	1.06
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	14	1.06
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	14	1.06
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	14	1.06
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	9	1.06
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	9	1.06
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	9	1.06
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	11	1.06
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	11	1.06
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	11	1.06
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	7	1.06
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	7	1.06
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	7	1.06
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	11	1.06
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	11	1.06
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	11	1.06
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	11	1.06
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	11	1.06
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	11	1.06
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	12	1.06
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	12	1.06
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	20	1.06
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	20	1.06
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	13	1.06
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	13	1.06
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	13	1.06
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	13	1.06
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	13	1.06
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	13	1.06
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	9	1.06
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	6	1.06
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	6	1.06
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	6	1.06
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	17	1.06
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	17	1.06
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	17	1.06
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	11	1.06
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	5	1.06
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	9	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	9	1.06
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	9	1.06
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	9	1.06
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	9	1.06
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	9	1.06
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	16	1.06
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	16	1.06
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	16	1.06
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	16	1.06
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	16	1.06
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	16	1.06
(1,1421)	1:166:A:VAL:HG11	1:167:A:ASP:HA	9	1.06
(1,1421)	1:166:A:VAL:HG12	1:167:A:ASP:HA	9	1.06
(1,1421)	1:166:A:VAL:HG13	1:167:A:ASP:HA	9	1.06
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	12	1.06
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	12	1.06
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	12	1.06
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	14	1.06
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	14	1.06
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	14	1.06
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	18	1.06
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	18	1.06
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	8	1.06
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	8	1.06
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	8	1.06
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	20	1.06
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	8	1.06
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	8	1.06
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	11	1.06
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	11	1.06
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	18	1.06
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	18	1.06
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	18	1.06
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	13	1.06
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	13	1.06
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	13	1.06
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	13	1.06
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	13	1.06
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	13	1.06
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	13	1.06
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	13	1.06
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	13	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	14	1.06
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	14	1.06
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	14	1.06
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	9	1.06
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	9	1.06
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	9	1.06
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	11	1.06
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	11	1.06
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	11	1.06
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	7	1.06
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	7	1.06
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	7	1.06
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	11	1.06
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	11	1.06
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	11	1.06
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	11	1.06
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	11	1.06
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	11	1.06
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	14	1.05
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	12	1.05
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	12	1.05
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	10	1.05
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	6	1.05
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	19	1.05
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	7	1.05
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	7	1.05
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	7	1.05
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	1	1.05
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	1	1.05
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	1	1.05
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	6	1.05
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	6	1.05
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	6	1.05
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	7	1.05
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	14	1.05
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	14	1.05
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	14	1.05
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	6	1.05
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	6	1.05
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	6	1.05
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	3	1.05
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	3	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	3	1.05
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	3	1.05
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	3	1.05
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	3	1.05
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	3	1.05
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	3	1.05
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	3	1.05
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	7	1.05
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	7	1.05
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	7	1.05
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	14	1.05
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	12	1.05
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	12	1.05
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	10	1.05
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	6	1.05
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	19	1.05
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	7	1.05
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	7	1.05
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	7	1.05
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	1	1.05
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	1	1.05
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	1	1.05
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	6	1.05
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	6	1.05
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	6	1.05
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	7	1.05
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	14	1.05
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	14	1.05
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	14	1.05
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	6	1.05
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	6	1.05
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	6	1.05
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	3	1.05
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	3	1.05
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	3	1.05
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	3	1.05
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	3	1.05
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	3	1.05
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	3	1.05
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	3	1.05
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	3	1.05
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	7	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	7	1.05
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	7	1.05
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	13	1.04
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	9	1.04
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	9	1.04
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	7	1.04
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	7	1.04
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	15	1.04
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	15	1.04
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	12	1.04
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	12	1.04
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	12	1.04
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	12	1.04
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	12	1.04
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	12	1.04
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	18	1.04
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	8	1.04
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	3	1.04
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	3	1.04
(1,4167)	1:166:A:VAL:HG11	1:167:A:ASP:HA	6	1.04
(1,4167)	1:166:A:VAL:HG12	1:167:A:ASP:HA	6	1.04
(1,4167)	1:166:A:VAL:HG13	1:167:A:ASP:HA	6	1.04
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	11	1.04
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	11	1.04
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	11	1.04
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	16	1.04
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	12	1.04
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	12	1.04
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	2	1.04
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	2	1.04
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	2	1.04
(1,3664)	1:176:A:VAL:HG11	1:177:A:HIS:HA	10	1.04
(1,3664)	1:176:A:VAL:HG12	1:177:A:HIS:HA	10	1.04
(1,3664)	1:176:A:VAL:HG13	1:177:A:HIS:HA	10	1.04
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	19	1.04
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	19	1.04
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	19	1.04
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	19	1.04
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	19	1.04
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	19	1.04
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG11	2	1.04
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG12	2	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3307)	1:161:A:VAL:HG21	1:210:A:VAL:HG13	2	1.04
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG11	2	1.04
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG12	2	1.04
(1,3307)	1:161:A:VAL:HG22	1:210:A:VAL:HG13	2	1.04
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG11	2	1.04
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG12	2	1.04
(1,3307)	1:161:A:VAL:HG23	1:210:A:VAL:HG13	2	1.04
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	19	1.04
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	19	1.04
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	19	1.04
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	12	1.04
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	12	1.04
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	12	1.04
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	10	1.04
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	10	1.04
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	10	1.04
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	3	1.04
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	3	1.04
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	3	1.04
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	3	1.04
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	3	1.04
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	3	1.04
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	2	1.04
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	2	1.04
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	2	1.04
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	2	1.04
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	2	1.04
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	2	1.04
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	13	1.04
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	9	1.04
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	9	1.04
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	7	1.04
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	7	1.04
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	15	1.04
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	15	1.04
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	12	1.04
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	12	1.04
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	12	1.04
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	12	1.04
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	12	1.04
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	12	1.04
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	18	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	8	1.04
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	3	1.04
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	3	1.04
(1,1421)	1:166:A:VAL:HG11	1:167:A:ASP:HA	6	1.04
(1,1421)	1:166:A:VAL:HG12	1:167:A:ASP:HA	6	1.04
(1,1421)	1:166:A:VAL:HG13	1:167:A:ASP:HA	6	1.04
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	11	1.04
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	11	1.04
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	11	1.04
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	16	1.04
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	12	1.04
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	12	1.04
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	2	1.04
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	2	1.04
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	2	1.04
(1,918)	1:176:A:VAL:HG11	1:177:A:HIS:HA	10	1.04
(1,918)	1:176:A:VAL:HG12	1:177:A:HIS:HA	10	1.04
(1,918)	1:176:A:VAL:HG13	1:177:A:HIS:HA	10	1.04
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	19	1.04
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	19	1.04
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	19	1.04
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	19	1.04
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	19	1.04
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	19	1.04
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG11	2	1.04
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG12	2	1.04
(1,561)	1:161:A:VAL:HG21	1:210:A:VAL:HG13	2	1.04
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG11	2	1.04
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG12	2	1.04
(1,561)	1:161:A:VAL:HG22	1:210:A:VAL:HG13	2	1.04
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG11	2	1.04
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG12	2	1.04
(1,561)	1:161:A:VAL:HG23	1:210:A:VAL:HG13	2	1.04
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	19	1.04
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	19	1.04
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	19	1.04
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	12	1.04
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	12	1.04
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	12	1.04
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	10	1.04
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	10	1.04
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	10	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	3	1.04
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	3	1.04
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	3	1.04
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	3	1.04
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	3	1.04
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	3	1.04
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	2	1.04
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	2	1.04
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	2	1.04
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	2	1.04
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	2	1.04
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	2	1.04
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	2	1.03
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	2	1.03
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	1	1.03
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	1	1.03
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	1	1.03
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	7	1.03
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	9	1.03
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	4	1.03
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	14	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	15	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	15	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	15	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	19	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	19	1.03
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	19	1.03
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	10	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	12	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	12	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	12	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	19	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	19	1.03
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	19	1.03
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	7	1.03
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	7	1.03
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	7	1.03
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	20	1.03
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	20	1.03
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	20	1.03
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	19	1.03
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	19	1.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	19	1.03
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	9	1.03
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	9	1.03
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	9	1.03
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	2	1.03
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	2	1.03
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	1	1.03
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	1	1.03
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	1	1.03
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	7	1.03
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	9	1.03
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	4	1.03
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	14	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	15	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	15	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	15	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	19	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	19	1.03
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	19	1.03
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	10	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	12	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	12	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	12	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	19	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	19	1.03
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	19	1.03
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	7	1.03
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	7	1.03
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	7	1.03
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	20	1.03
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	20	1.03
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	20	1.03
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	19	1.03
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	19	1.03
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	19	1.03
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	9	1.03
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	9	1.03
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	9	1.03
(1,5381)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	6	1.02
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	14	1.02
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	14	1.02
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	14	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	14	1.02
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	14	1.02
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	14	1.02
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	20	1.02
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	20	1.02
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	14	1.02
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	20	1.02
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	20	1.02
(1,3132)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	20	1.02
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	20	1.02
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	20	1.02
(1,3132)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	20	1.02
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	20	1.02
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	20	1.02
(1,3132)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	20	1.02
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	2	1.02
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	2	1.02
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	2	1.02
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	13	1.02
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	11	1.02
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	11	1.02
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	11	1.02
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	11	1.02
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	11	1.02
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	11	1.02
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD1	3	1.02
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	6	1.02
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	6	1.02
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	6	1.02
(1,2635)	1:145:A:TRP:HD1	1:146:A:GLU:HG2	6	1.02
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	14	1.02
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	14	1.02
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	14	1.02
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	14	1.02
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	14	1.02
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	14	1.02
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	20	1.02
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	20	1.02
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	14	1.02
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG21	20	1.02
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG22	20	1.02
(1,386)	1:184:A:ILE:HD11	1:209:A:VAL:HG23	20	1.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG21	20	1.02
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG22	20	1.02
(1,386)	1:184:A:ILE:HD12	1:209:A:VAL:HG23	20	1.02
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG21	20	1.02
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG22	20	1.02
(1,386)	1:184:A:ILE:HD13	1:209:A:VAL:HG23	20	1.02
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	2	1.02
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	2	1.02
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	2	1.02
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	13	1.02
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	11	1.02
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	11	1.02
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	11	1.02
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	11	1.02
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	11	1.02
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	11	1.02
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD1	3	1.02
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	6	1.02
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	6	1.02
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	6	1.02
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	1	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	1	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	14	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	14	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	17	1.01
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	17	1.01
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	4	1.01
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	4	1.01
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	4	1.01
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	4	1.01
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	4	1.01
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	4	1.01
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	15	1.01
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	3	1.01
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	3	1.01
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	3	1.01
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	16	1.01
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	16	1.01
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	16	1.01
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	4	1.01
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	3	1.01
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	3	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	3	1.01
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	13	1.01
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	3	1.01
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	13	1.01
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	13	1.01
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	13	1.01
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	13	1.01
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	13	1.01
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	13	1.01
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	7	1.01
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	7	1.01
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	7	1.01
(1,3195)	1:125:A:LEU:HB3	1:128:A:TYR:HB3	4	1.01
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	17	1.01
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	17	1.01
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	17	1.01
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	2	1.01
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	2	1.01
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	2	1.01
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	2	1.01
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	2	1.01
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	2	1.01
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	2	1.01
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	2	1.01
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	2	1.01
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	16	1.01
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	6	1.01
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	6	1.01
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	6	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	1	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	1	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	14	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	14	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	17	1.01
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	17	1.01
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	4	1.01
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	4	1.01
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	4	1.01
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	4	1.01
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	4	1.01
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	4	1.01
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	15	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	3	1.01
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	3	1.01
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	3	1.01
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	16	1.01
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	16	1.01
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	16	1.01
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	4	1.01
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	3	1.01
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	3	1.01
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	3	1.01
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	13	1.01
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	3	1.01
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	13	1.01
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	13	1.01
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	13	1.01
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	13	1.01
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	13	1.01
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	13	1.01
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	7	1.01
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	7	1.01
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	7	1.01
(1,449)	1:125:A:LEU:HB3	1:128:A:TYR:HB3	4	1.01
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	17	1.01
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	17	1.01
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	17	1.01
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	2	1.01
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	2	1.01
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	2	1.01
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	2	1.01
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	2	1.01
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	2	1.01
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	2	1.01
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	2	1.01
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	2	1.01
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	16	1.01
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	6	1.01
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	6	1.01
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	6	1.01
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	9	1.0
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	9	1.0
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	9	1.0
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	9	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	9	1.0
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	9	1.0
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	7	1.0
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	7	1.0
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	7	1.0
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	7	1.0
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	7	1.0
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	7	1.0
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	13	1.0
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	14	1.0
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	14	1.0
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	14	1.0
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	3	1.0
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	5	1.0
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	10	1.0
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	13	1.0
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	13	1.0
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	3	1.0
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	3	1.0
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	3	1.0
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	17	1.0
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	17	1.0
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	17	1.0
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	17	1.0
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	17	1.0
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	17	1.0
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	1	1.0
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	1	1.0
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	1	1.0
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	3	1.0
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	3	1.0
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	3	1.0
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	6	1.0
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	6	1.0
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	6	1.0
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	6	1.0
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	6	1.0
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	6	1.0
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	7	1.0
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	7	1.0
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	7	1.0
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	7	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	7	1.0
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	7	1.0
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	9	1.0
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	9	1.0
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	9	1.0
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	9	1.0
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	9	1.0
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	9	1.0
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	7	1.0
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	7	1.0
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	7	1.0
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	7	1.0
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	7	1.0
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	7	1.0
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	13	1.0
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	14	1.0
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	14	1.0
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	14	1.0
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	3	1.0
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	5	1.0
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	10	1.0
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	13	1.0
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	13	1.0
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	3	1.0
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	3	1.0
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	3	1.0
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	17	1.0
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	17	1.0
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	17	1.0
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	17	1.0
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	17	1.0
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	17	1.0
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	1	1.0
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	1	1.0
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	1	1.0
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	3	1.0
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	3	1.0
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	3	1.0
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	6	1.0
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	6	1.0
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	6	1.0
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	6	1.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	6	1.0
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	6	1.0
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	7	1.0
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	7	1.0
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	7	1.0
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	7	1.0
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	7	1.0
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	7	1.0
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	11	0.99
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	11	0.99
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	10	0.99
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	10	0.99
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	10	0.99
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	10	0.99
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	10	0.99
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	10	0.99
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	11	0.99
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	20	0.99
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	2	0.99
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	3	0.99
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	1	0.99
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	7	0.99
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	5	0.99
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	5	0.99
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	5	0.99
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	9	0.99
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	9	0.99
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	9	0.99
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	6	0.99
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	6	0.99
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	6	0.99
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	6	0.99
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	6	0.99
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	6	0.99
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	19	0.99
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	17	0.99
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	17	0.99
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	17	0.99
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	2	0.99
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	2	0.99
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	14	0.99
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	14	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	14	0.99
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	14	0.99
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	14	0.99
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	14	0.99
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	14	0.99
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	14	0.99
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	14	0.99
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	5	0.99
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	5	0.99
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	5	0.99
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	15	0.99
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	15	0.99
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	15	0.99
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	5	0.99
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	5	0.99
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	5	0.99
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	11	0.99
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	11	0.99
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	10	0.99
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	10	0.99
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	10	0.99
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	10	0.99
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	10	0.99
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	10	0.99
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	11	0.99
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	20	0.99
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	2	0.99
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	3	0.99
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	1	0.99
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	7	0.99
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	5	0.99
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	5	0.99
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	5	0.99
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	9	0.99
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	9	0.99
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	9	0.99
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	6	0.99
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	6	0.99
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	6	0.99
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	6	0.99
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	6	0.99
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	6	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	19	0.99
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	17	0.99
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	17	0.99
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	17	0.99
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	2	0.99
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	2	0.99
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	14	0.99
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	14	0.99
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	14	0.99
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	14	0.99
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	14	0.99
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	14	0.99
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	14	0.99
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	14	0.99
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	14	0.99
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	5	0.99
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	5	0.99
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	5	0.99
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	15	0.99
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	15	0.99
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	15	0.99
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	5	0.99
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	5	0.99
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	5	0.99
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	10	0.98
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	10	0.98
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	18	0.98
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	18	0.98
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	18	0.98
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	4	0.98
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	4	0.98
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	4	0.98
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	4	0.98
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	4	0.98
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	4	0.98
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	10	0.98
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	1	0.98
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	4	0.98
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	4	0.98
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	5	0.98
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	5	0.98
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	4	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	4	0.98
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	4	0.98
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	8	0.98
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	8	0.98
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	8	0.98
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	10	0.98
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	10	0.98
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	10	0.98
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	10	0.98
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	10	0.98
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	10	0.98
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	10	0.98
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	10	0.98
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	10	0.98
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	16	0.98
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	16	0.98
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	16	0.98
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	16	0.98
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	16	0.98
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	16	0.98
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	16	0.98
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	16	0.98
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	16	0.98
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	18	0.98
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	18	0.98
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	18	0.98
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	18	0.98
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	18	0.98
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	18	0.98
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	20	0.98
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	20	0.98
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	20	0.98
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	12	0.98
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	12	0.98
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	12	0.98
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	12	0.98
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	12	0.98
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	12	0.98
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	10	0.98
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	10	0.98
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	18	0.98
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	18	0.98
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	4	0.98
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	4	0.98
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	4	0.98
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	4	0.98
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	4	0.98
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	4	0.98
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	10	0.98
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	1	0.98
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	4	0.98
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	4	0.98
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	5	0.98
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	5	0.98
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	4	0.98
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	4	0.98
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	4	0.98
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	8	0.98
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	8	0.98
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	8	0.98
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	10	0.98
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	10	0.98
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	10	0.98
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	10	0.98
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	10	0.98
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	10	0.98
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	10	0.98
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	10	0.98
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	10	0.98
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	16	0.98
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	16	0.98
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	16	0.98
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	16	0.98
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	16	0.98
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	16	0.98
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	16	0.98
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	16	0.98
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	16	0.98
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	18	0.98
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	18	0.98
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	18	0.98
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	18	0.98
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	18	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	18	0.98
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	20	0.98
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	20	0.98
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	20	0.98
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	12	0.98
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	12	0.98
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	12	0.98
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	12	0.98
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	12	0.98
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	12	0.98
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	5	0.97
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	5	0.97
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	5	0.97
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	5	0.97
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	5	0.97
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	5	0.97
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	4	0.97
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	4	0.97
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	15	0.97
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	15	0.97
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	15	0.97
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	15	0.97
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	15	0.97
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	15	0.97
(1,5132)	1:130:A:LEU:HD11	1:163:A:TYR:H	4	0.97
(1,5132)	1:130:A:LEU:HD12	1:163:A:TYR:H	4	0.97
(1,5132)	1:130:A:LEU:HD13	1:163:A:TYR:H	4	0.97
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	4	0.97
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	11	0.97
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	12	0.97
(1,4144)	1:154:A:MET:HG3	1:155:A:TYR:HB2	11	0.97
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	14	0.97
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	17	0.97
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	10	0.97
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	10	0.97
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	10	0.97
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	10	0.97
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	10	0.97
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	10	0.97
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	10	0.97
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	10	0.97
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	10	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	18	0.97
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	18	0.97
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	18	0.97
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	10	0.97
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	10	0.97
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	10	0.97
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	10	0.97
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	10	0.97
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	10	0.97
(1,2874)	1:161:A:VAL:HG11	1:213:A:MET:H	9	0.97
(1,2874)	1:161:A:VAL:HG12	1:213:A:MET:H	9	0.97
(1,2874)	1:161:A:VAL:HG13	1:213:A:MET:H	9	0.97
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	10	0.97
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	10	0.97
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	10	0.97
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	17	0.97
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	17	0.97
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	17	0.97
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	17	0.97
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	17	0.97
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	17	0.97
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	5	0.97
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	5	0.97
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	5	0.97
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	5	0.97
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	5	0.97
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	5	0.97
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	4	0.97
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	4	0.97
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	15	0.97
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	15	0.97
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	15	0.97
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	15	0.97
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	15	0.97
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	15	0.97
(1,2386)	1:130:A:LEU:HD11	1:163:A:TYR:H	4	0.97
(1,2386)	1:130:A:LEU:HD12	1:163:A:TYR:H	4	0.97
(1,2386)	1:130:A:LEU:HD13	1:163:A:TYR:H	4	0.97
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	4	0.97
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	11	0.97
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	12	0.97
(1,1398)	1:154:A:MET:HG3	1:155:A:TYR:HB2	11	0.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	14	0.97
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	17	0.97
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	10	0.97
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	10	0.97
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	10	0.97
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	10	0.97
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	10	0.97
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	10	0.97
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	10	0.97
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	10	0.97
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	10	0.97
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	18	0.97
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	18	0.97
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	18	0.97
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	10	0.97
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	10	0.97
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	10	0.97
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	10	0.97
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	10	0.97
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	10	0.97
(1,128)	1:161:A:VAL:HG11	1:213:A:MET:H	9	0.97
(1,128)	1:161:A:VAL:HG12	1:213:A:MET:H	9	0.97
(1,128)	1:161:A:VAL:HG13	1:213:A:MET:H	9	0.97
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	10	0.97
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	10	0.97
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	10	0.97
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	17	0.97
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	17	0.97
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	17	0.97
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	17	0.97
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	17	0.97
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	17	0.97
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	10	0.96
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	16	0.96
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	16	0.96
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	4	0.96
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	4	0.96
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	4	0.96
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	17	0.96
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	17	0.96
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	17	0.96
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	12	0.96
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	1	0.96
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	1	0.96
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	1	0.96
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	13	0.96
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	13	0.96
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	13	0.96
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	11	0.96
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	19	0.96
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	19	0.96
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	8	0.96
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	3	0.96
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	3	0.96
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	5	0.96
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	9	0.96
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	9	0.96
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	9	0.96
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	9	0.96
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	9	0.96
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	9	0.96
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	16	0.96
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	16	0.96
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	16	0.96
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	5	0.96
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	5	0.96
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	5	0.96
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	5	0.96
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	5	0.96
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	5	0.96
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	14	0.96
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	14	0.96
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	14	0.96
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	19	0.96
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	19	0.96
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	19	0.96
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	18	0.96
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	18	0.96
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	18	0.96
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	18	0.96
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	18	0.96
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	18	0.96
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	10	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	16	0.96
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	16	0.96
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	4	0.96
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	4	0.96
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	4	0.96
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	17	0.96
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	17	0.96
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	17	0.96
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	19	0.96
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	12	0.96
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	1	0.96
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	1	0.96
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	1	0.96
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	13	0.96
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	13	0.96
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	13	0.96
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	11	0.96
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	19	0.96
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	19	0.96
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	8	0.96
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	3	0.96
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	3	0.96
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	5	0.96
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	9	0.96
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	9	0.96
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	9	0.96
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	9	0.96
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	9	0.96
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	9	0.96
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	16	0.96
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	16	0.96
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	16	0.96
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	5	0.96
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	5	0.96
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	5	0.96
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	5	0.96
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	5	0.96
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	5	0.96
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	14	0.96
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	14	0.96
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	14	0.96
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	19	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	19	0.96
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	19	0.96
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	18	0.96
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	18	0.96
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	18	0.96
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	18	0.96
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	18	0.96
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	18	0.96
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	20	0.95
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	20	0.95
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	20	0.95
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	20	0.95
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	20	0.95
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	20	0.95
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	5	0.95
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	19	0.95
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	19	0.95
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	9	0.95
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	9	0.95
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	9	0.95
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	10	0.95
(1,4457)	1:166:A:VAL:HG11	1:169:A:ALA:H	5	0.95
(1,4457)	1:166:A:VAL:HG12	1:169:A:ALA:H	5	0.95
(1,4457)	1:166:A:VAL:HG13	1:169:A:ALA:H	5	0.95
(1,4234)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	16	0.95
(1,4234)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	16	0.95
(1,4234)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	16	0.95
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	15	0.95
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	15	0.95
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	15	0.95
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	15	0.95
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	15	0.95
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	15	0.95
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	8	0.95
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	8	0.95
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	8	0.95
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	3	0.95
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	3	0.95
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	3	0.95
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	3	0.95
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	3	0.95
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	3	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	3	0.95
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	3	0.95
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	3	0.95
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	3	0.95
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	3	0.95
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	3	0.95
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	16	0.95
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	12	0.95
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	12	0.95
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	12	0.95
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	13	0.95
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	13	0.95
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	13	0.95
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	8	0.95
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	8	0.95
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	8	0.95
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	8	0.95
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	8	0.95
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	8	0.95
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	8	0.95
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	8	0.95
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	8	0.95
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	5	0.95
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	5	0.95
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	5	0.95
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	13	0.95
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	13	0.95
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	13	0.95
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	7	0.95
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	7	0.95
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	7	0.95
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	7	0.95
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	7	0.95
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	7	0.95
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	20	0.95
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	20	0.95
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	20	0.95
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	20	0.95
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	20	0.95
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	20	0.95
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	5	0.95
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	19	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	19	0.95
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	9	0.95
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	9	0.95
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	9	0.95
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	10	0.95
(1,1711)	1:166:A:VAL:HG11	1:169:A:ALA:H	5	0.95
(1,1711)	1:166:A:VAL:HG12	1:169:A:ALA:H	5	0.95
(1,1711)	1:166:A:VAL:HG13	1:169:A:ALA:H	5	0.95
(1,1488)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	16	0.95
(1,1488)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	16	0.95
(1,1488)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	16	0.95
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	15	0.95
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	15	0.95
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	15	0.95
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	15	0.95
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	15	0.95
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	15	0.95
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	8	0.95
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	8	0.95
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	8	0.95
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	3	0.95
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	3	0.95
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	3	0.95
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	3	0.95
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	3	0.95
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	3	0.95
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	3	0.95
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	3	0.95
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	3	0.95
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	3	0.95
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	3	0.95
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	3	0.95
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD1	16	0.95
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	12	0.95
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	12	0.95
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	12	0.95
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	13	0.95
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	13	0.95
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	13	0.95
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	8	0.95
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	8	0.95
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	8	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	8	0.95
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	8	0.95
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	8	0.95
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	8	0.95
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	8	0.95
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	8	0.95
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	5	0.95
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	5	0.95
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	5	0.95
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	13	0.95
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	13	0.95
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	13	0.95
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	7	0.95
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	7	0.95
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	7	0.95
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	7	0.95
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	7	0.95
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	7	0.95
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	18	0.94
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	9	0.94
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	9	0.94
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	4	0.94
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	4	0.94
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	4	0.94
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	20	0.94
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	16	0.94
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	16	0.94
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	12	0.94
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	12	0.94
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	12	0.94
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	13	0.94
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	13	0.94
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	13	0.94
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	15	0.94
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	15	0.94
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	19	0.94
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	19	0.94
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	19	0.94
(1,3306)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	17	0.94
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	2	0.94
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	2	0.94
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	2	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	2	0.94
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	2	0.94
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	2	0.94
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	17	0.94
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	17	0.94
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	17	0.94
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	20	0.94
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	13	0.94
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	13	0.94
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	13	0.94
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	12	0.94
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	12	0.94
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	12	0.94
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	12	0.94
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	12	0.94
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	12	0.94
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	12	0.94
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	12	0.94
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	12	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	8	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	8	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	8	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	8	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	8	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	8	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	11	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	11	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	11	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	11	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	11	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	11	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	13	0.94
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	13	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	13	0.94
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	13	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	13	0.94
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	13	0.94
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	18	0.94
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	9	0.94
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	9	0.94
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	4	0.94
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	4	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	4	0.94
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	20	0.94
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	16	0.94
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	16	0.94
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	12	0.94
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	12	0.94
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	12	0.94
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	13	0.94
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	13	0.94
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	13	0.94
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	15	0.94
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	15	0.94
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	19	0.94
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	19	0.94
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	19	0.94
(1,560)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	17	0.94
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	2	0.94
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	2	0.94
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	2	0.94
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	2	0.94
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	2	0.94
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	2	0.94
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	17	0.94
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	17	0.94
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	17	0.94
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	20	0.94
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	13	0.94
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	13	0.94
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	13	0.94
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	12	0.94
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	12	0.94
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	12	0.94
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	12	0.94
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	12	0.94
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	12	0.94
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	12	0.94
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	12	0.94
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	12	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	8	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	8	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	8	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	8	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	8	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	8	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	11	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	11	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	11	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	11	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	11	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	11	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	13	0.94
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	13	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	13	0.94
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	13	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	13	0.94
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	13	0.94
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	3	0.93
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	3	0.93
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	13	0.93
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	13	0.93
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG11	7	0.93
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG12	7	0.93
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG13	7	0.93
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	20	0.93
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	14	0.93
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	14	0.93
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	14	0.93
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	14	0.93
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	14	0.93
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	14	0.93
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	8	0.93
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	10	0.93
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	10	0.93
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	17	0.93
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	17	0.93
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	17	0.93
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	17	0.93
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	18	0.93
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	9	0.93
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	9	0.93
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	17	0.93
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	8	0.93
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	8	0.93
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	8	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	0.93
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	0.93
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	0.93
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	10	0.93
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	10	0.93
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	10	0.93
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	9	0.93
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	9	0.93
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	9	0.93
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	11	0.93
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	15	0.93
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	15	0.93
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	15	0.93
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	3	0.93
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	3	0.93
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	13	0.93
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	13	0.93
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG11	7	0.93
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG12	7	0.93
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG13	7	0.93
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	20	0.93
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	14	0.93
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	14	0.93
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	14	0.93
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	14	0.93
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	14	0.93
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	14	0.93
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	8	0.93
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	10	0.93
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	10	0.93
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	17	0.93
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	17	0.93
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	17	0.93
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	17	0.93
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	18	0.93
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	9	0.93
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	9	0.93
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	17	0.93
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	8	0.93
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	8	0.93
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	8	0.93
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	0.93
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	0.93
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	10	0.93
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	10	0.93
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	10	0.93
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	9	0.93
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	9	0.93
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	9	0.93
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	11	0.93
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	15	0.93
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	15	0.93
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	15	0.93
(1,5444)	1:125:A:LEU:HD21	1:128:A:TYR:HE1	4	0.92
(1,5444)	1:125:A:LEU:HD21	1:128:A:TYR:HE2	4	0.92
(1,5444)	1:125:A:LEU:HD22	1:128:A:TYR:HE1	4	0.92
(1,5444)	1:125:A:LEU:HD22	1:128:A:TYR:HE2	4	0.92
(1,5444)	1:125:A:LEU:HD23	1:128:A:TYR:HE1	4	0.92
(1,5444)	1:125:A:LEU:HD23	1:128:A:TYR:HE2	4	0.92
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	19	0.92
(1,5078)	1:172:A:GLN:HE21	1:215:A:VAL:HB	6	0.92
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	8	0.92
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	12	0.92
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	12	0.92
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	3	0.92
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	3	0.92
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	3	0.92
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	7	0.92
(1,4234)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	12	0.92
(1,4234)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	12	0.92
(1,4234)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	12	0.92
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	7	0.92
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	18	0.92
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	20	0.92
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	20	0.92
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	20	0.92
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	11	0.92
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	3	0.92
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	8	0.92
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	8	0.92
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	8	0.92
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	17	0.92
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	17	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	17	0.92
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	18	0.92
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	18	0.92
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	18	0.92
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	16	0.92
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	16	0.92
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	16	0.92
(1,2993)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	9	0.92
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	1	0.92
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	1	0.92
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	1	0.92
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	2	0.92
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	2	0.92
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	2	0.92
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	2	0.92
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	2	0.92
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	2	0.92
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	2	0.92
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	2	0.92
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	2	0.92
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	2	0.92
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	2	0.92
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	2	0.92
(1,2698)	1:125:A:LEU:HD21	1:128:A:TYR:HE1	4	0.92
(1,2698)	1:125:A:LEU:HD21	1:128:A:TYR:HE2	4	0.92
(1,2698)	1:125:A:LEU:HD22	1:128:A:TYR:HE1	4	0.92
(1,2698)	1:125:A:LEU:HD22	1:128:A:TYR:HE2	4	0.92
(1,2698)	1:125:A:LEU:HD23	1:128:A:TYR:HE1	4	0.92
(1,2698)	1:125:A:LEU:HD23	1:128:A:TYR:HE2	4	0.92
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	19	0.92
(1,2332)	1:172:A:GLN:HE21	1:215:A:VAL:HB	6	0.92
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	8	0.92
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	12	0.92
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	12	0.92
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	3	0.92
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	3	0.92
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	3	0.92
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	7	0.92
(1,1488)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	12	0.92
(1,1488)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	12	0.92
(1,1488)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	12	0.92
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	7	0.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	18	0.92
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	20	0.92
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	20	0.92
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	20	0.92
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	11	0.92
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	3	0.92
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	8	0.92
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	8	0.92
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	8	0.92
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	17	0.92
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	17	0.92
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	17	0.92
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	18	0.92
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	18	0.92
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	18	0.92
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	16	0.92
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	16	0.92
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	16	0.92
(1,247)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	9	0.92
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	1	0.92
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	1	0.92
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	1	0.92
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	2	0.92
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	2	0.92
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	2	0.92
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	2	0.92
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	2	0.92
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	2	0.92
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	2	0.92
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	2	0.92
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	2	0.92
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	2	0.92
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	2	0.92
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	2	0.92
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	12	0.91
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	12	0.91
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	20	0.91
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	20	0.91
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	20	0.91
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	20	0.91
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	20	0.91
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	20	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	3	0.91
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	3	0.91
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	3	0.91
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	18	0.91
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	2	0.91
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	2	0.91
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	2	0.91
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	2	0.91
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	2	0.91
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	2	0.91
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	2	0.91
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	7	0.91
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	19	0.91
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	6	0.91
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	12	0.91
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	12	0.91
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	12	0.91
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	9	0.91
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	9	0.91
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	9	0.91
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	7	0.91
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	7	0.91
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	7	0.91
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	3	0.91
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	3	0.91
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	3	0.91
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	16	0.91
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	16	0.91
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	16	0.91
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	20	0.91
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	20	0.91
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	20	0.91
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	11	0.91
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	11	0.91
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	11	0.91
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE1	11	0.91
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE2	11	0.91
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE3	11	0.91
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE1	11	0.91
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE2	11	0.91
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE3	11	0.91
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE1	11	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE2	11	0.91
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE3	11	0.91
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	11	0.91
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	11	0.91
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	11	0.91
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	12	0.91
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	12	0.91
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	20	0.91
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	20	0.91
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	20	0.91
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	20	0.91
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	20	0.91
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	20	0.91
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	3	0.91
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	3	0.91
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	3	0.91
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	18	0.91
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	2	0.91
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	2	0.91
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	2	0.91
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	2	0.91
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	2	0.91
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	2	0.91
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	2	0.91
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	7	0.91
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	19	0.91
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	6	0.91
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	12	0.91
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	12	0.91
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	12	0.91
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	9	0.91
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	9	0.91
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	9	0.91
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	7	0.91
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	7	0.91
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	7	0.91
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	3	0.91
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	3	0.91
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	3	0.91
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	16	0.91
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	16	0.91
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	16	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	20	0.91
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	20	0.91
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	20	0.91
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	11	0.91
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	11	0.91
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	11	0.91
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE1	11	0.91
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE2	11	0.91
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE3	11	0.91
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE1	11	0.91
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE2	11	0.91
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE3	11	0.91
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE1	11	0.91
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE2	11	0.91
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE3	11	0.91
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	11	0.91
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	11	0.91
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	11	0.91
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	2	0.9
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	20	0.9
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	20	0.9
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	15	0.9
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	15	0.9
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	1	0.9
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	1	0.9
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	1	0.9
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	1	0.9
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	1	0.9
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	1	0.9
(1,4457)	1:166:A:VAL:HG11	1:169:A:ALA:H	6	0.9
(1,4457)	1:166:A:VAL:HG12	1:169:A:ALA:H	6	0.9
(1,4457)	1:166:A:VAL:HG13	1:169:A:ALA:H	6	0.9
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	17	0.9
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	6	0.9
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	2	0.9
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	6	0.9
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD1	1	0.9
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	12	0.9
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	12	0.9
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	12	0.9
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	15	0.9
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	15	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	15	0.9
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	20	0.9
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	20	0.9
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	20	0.9
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	1	0.9
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	1	0.9
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	1	0.9
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG11	18	0.9
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG12	18	0.9
(1,2920)	1:199:A:THR:H	1:203:A:VAL:HG13	18	0.9
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	15	0.9
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	15	0.9
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	15	0.9
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	2	0.9
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	20	0.9
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	20	0.9
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	15	0.9
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	15	0.9
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	1	0.9
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	1	0.9
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	1	0.9
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	1	0.9
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	1	0.9
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	1	0.9
(1,1711)	1:166:A:VAL:HG11	1:169:A:ALA:H	6	0.9
(1,1711)	1:166:A:VAL:HG12	1:169:A:ALA:H	6	0.9
(1,1711)	1:166:A:VAL:HG13	1:169:A:ALA:H	6	0.9
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	17	0.9
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	6	0.9
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	2	0.9
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	6	0.9
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD1	1	0.9
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	12	0.9
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	12	0.9
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	12	0.9
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	15	0.9
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	15	0.9
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	15	0.9
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	20	0.9
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	20	0.9
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	20	0.9
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	1	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	1	0.9
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	1	0.9
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG11	18	0.9
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG12	18	0.9
(1,174)	1:199:A:THR:H	1:203:A:VAL:HG13	18	0.9
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	15	0.9
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	15	0.9
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	15	0.9
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	3	0.89
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	3	0.89
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	16	0.89
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	16	0.89
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	16	0.89
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	16	0.89
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	16	0.89
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	16	0.89
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	16	0.89
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	16	0.89
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	5	0.89
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	2	0.89
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	2	0.89
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	2	0.89
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	4	0.89
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	17	0.89
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	17	0.89
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	1	0.89
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	1	0.89
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	1	0.89
(1,3306)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	6	0.89
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	3	0.89
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	3	0.89
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	3	0.89
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	20	0.89
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	20	0.89
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	20	0.89
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	7	0.89
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	7	0.89
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	7	0.89
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG21	2	0.89
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG22	2	0.89
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG23	2	0.89
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	19	0.89
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	19	0.89
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	19	0.89
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	19	0.89
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	19	0.89
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	3	0.89
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	3	0.89
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	16	0.89
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	16	0.89
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	16	0.89
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	16	0.89
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	16	0.89
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	16	0.89
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	16	0.89
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	16	0.89
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	5	0.89
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	2	0.89
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	2	0.89
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	2	0.89
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	4	0.89
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	17	0.89
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	17	0.89
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	1	0.89
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	1	0.89
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	1	0.89
(1,560)	1:224:A:ALA:HB2	1:225:A:TYR:HD2	6	0.89
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	3	0.89
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	3	0.89
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	3	0.89
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	20	0.89
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	20	0.89
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	20	0.89
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	7	0.89
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	7	0.89
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	7	0.89
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG21	2	0.89
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG22	2	0.89
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG23	2	0.89
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	19	0.89
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	19	0.89
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	19	0.89
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	19	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	19	0.89
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	19	0.89
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	16	0.88
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	16	0.88
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	16	0.88
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	16	0.88
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	16	0.88
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	16	0.88
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	9	0.88
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	9	0.88
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	9	0.88
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	9	0.88
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	9	0.88
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	9	0.88
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	2	0.88
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	2	0.88
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	2	0.88
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	10	0.88
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	6	0.88
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	6	0.88
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	19	0.88
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	19	0.88
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	19	0.88
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	19	0.88
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	11	0.88
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	11	0.88
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	11	0.88
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	9	0.88
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	9	0.88
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	9	0.88
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	9	0.88
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	9	0.88
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	9	0.88
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	9	0.88
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	9	0.88
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	9	0.88
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG21	8	0.88
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG22	8	0.88
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG23	8	0.88
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	15	0.88
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	15	0.88
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	15	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG11	9	0.88
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG12	9	0.88
(1,2868)	1:160:A:GLN:H	1:161:A:VAL:HG13	9	0.88
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	16	0.88
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	16	0.88
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	16	0.88
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	7	0.88
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	7	0.88
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	7	0.88
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	7	0.88
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	7	0.88
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	7	0.88
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	7	0.88
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	7	0.88
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	7	0.88
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	3	0.88
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	3	0.88
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	3	0.88
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	16	0.88
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	16	0.88
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	16	0.88
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	16	0.88
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	16	0.88
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	16	0.88
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	9	0.88
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	9	0.88
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	9	0.88
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	9	0.88
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	9	0.88
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	9	0.88
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	2	0.88
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	2	0.88
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	2	0.88
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	10	0.88
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	6	0.88
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	6	0.88
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	19	0.88
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	19	0.88
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	19	0.88
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	19	0.88
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	11	0.88
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	11	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	11	0.88
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	9	0.88
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	9	0.88
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	9	0.88
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	9	0.88
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	9	0.88
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	9	0.88
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	9	0.88
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	9	0.88
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	9	0.88
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG21	8	0.88
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG22	8	0.88
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG23	8	0.88
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	15	0.88
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	15	0.88
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	15	0.88
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG11	9	0.88
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG12	9	0.88
(1,122)	1:160:A:GLN:H	1:161:A:VAL:HG13	9	0.88
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	16	0.88
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	16	0.88
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	16	0.88
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	7	0.88
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	7	0.88
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	7	0.88
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	7	0.88
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	7	0.88
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	7	0.88
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	7	0.88
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	7	0.88
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	7	0.88
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	3	0.88
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	3	0.88
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	3	0.88
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	19	0.87
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	19	0.87
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	12	0.87
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	12	0.87
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	12	0.87
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	12	0.87
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	12	0.87
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	12	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5365)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	6	0.87
(1,5365)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	6	0.87
(1,5365)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	6	0.87
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	12	0.87
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	12	0.87
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	12	0.87
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	12	0.87
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	12	0.87
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	12	0.87
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	4	0.87
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	4	0.87
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	12	0.87
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	3	0.87
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	3	0.87
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	3	0.87
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	1	0.87
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	1	0.87
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	11	0.87
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	11	0.87
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	11	0.87
(1,4234)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	10	0.87
(1,4234)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	10	0.87
(1,4234)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	10	0.87
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	3	0.87
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	12	0.87
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	14	0.87
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	14	0.87
(1,3340)	1:161:A:VAL:HG21	1:217:A:GLN:H	9	0.87
(1,3340)	1:161:A:VAL:HG22	1:217:A:GLN:H	9	0.87
(1,3340)	1:161:A:VAL:HG23	1:217:A:GLN:H	9	0.87
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	9	0.87
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	4	0.87
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	4	0.87
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	4	0.87
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	10	0.87
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	10	0.87
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	10	0.87
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	10	0.87
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	10	0.87
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	10	0.87
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	10	0.87
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	10	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	10	0.87
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	15	0.87
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	15	0.87
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	15	0.87
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	15	0.87
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	15	0.87
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	15	0.87
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	8	0.87
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	8	0.87
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	8	0.87
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	19	0.87
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	19	0.87
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	12	0.87
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	12	0.87
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	12	0.87
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	12	0.87
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	12	0.87
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	12	0.87
(1,2619)	1:166:A:VAL:HG21	1:175:A:PHE:HZ	6	0.87
(1,2619)	1:166:A:VAL:HG22	1:175:A:PHE:HZ	6	0.87
(1,2619)	1:166:A:VAL:HG23	1:175:A:PHE:HZ	6	0.87
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	12	0.87
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	12	0.87
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	12	0.87
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	12	0.87
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	12	0.87
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	12	0.87
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	4	0.87
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	4	0.87
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	12	0.87
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	3	0.87
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	3	0.87
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	3	0.87
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	1	0.87
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	1	0.87
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	11	0.87
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	11	0.87
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	11	0.87
(1,1488)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	10	0.87
(1,1488)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	10	0.87
(1,1488)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	10	0.87
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	3	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	12	0.87
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	14	0.87
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	14	0.87
(1,594)	1:161:A:VAL:HG21	1:217:A:GLN:H	9	0.87
(1,594)	1:161:A:VAL:HG22	1:217:A:GLN:H	9	0.87
(1,594)	1:161:A:VAL:HG23	1:217:A:GLN:H	9	0.87
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	9	0.87
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	4	0.87
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	4	0.87
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	4	0.87
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	10	0.87
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	10	0.87
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	10	0.87
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	10	0.87
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	10	0.87
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	10	0.87
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	10	0.87
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	10	0.87
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	10	0.87
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	15	0.87
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	15	0.87
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	15	0.87
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	15	0.87
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	15	0.87
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	15	0.87
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	8	0.87
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	8	0.87
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	8	0.87
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	14	0.86
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	14	0.86
(1,5218)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	14	0.86
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	14	0.86
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	14	0.86
(1,5218)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	14	0.86
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	1	0.86
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	1	0.86
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	9	0.86
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	20	0.86
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	12	0.86
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	12	0.86
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	12	0.86
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	12	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	12	0.86
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	12	0.86
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	15	0.86
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	15	0.86
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	2	0.86
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	20	0.86
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	20	0.86
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	20	0.86
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	20	0.86
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	20	0.86
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	20	0.86
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	20	0.86
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	20	0.86
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	20	0.86
(1,3306)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	9	0.86
(1,3306)	1:224:A:ALA:HB1	1:225:A:TYR:HD1	15	0.86
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	19	0.86
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	19	0.86
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	19	0.86
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	19	0.86
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	19	0.86
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	19	0.86
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	8	0.86
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	8	0.86
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	8	0.86
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	17	0.86
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	17	0.86
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	17	0.86
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	8	0.86
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	8	0.86
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	8	0.86
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	17	0.86
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	17	0.86
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	17	0.86
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	2	0.86
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	2	0.86
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	2	0.86
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	19	0.86
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	19	0.86
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	19	0.86
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	19	0.86
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	19	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	19	0.86
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	20	0.86
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	20	0.86
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	20	0.86
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	20	0.86
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	20	0.86
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	20	0.86
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	17	0.86
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	17	0.86
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	17	0.86
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	15	0.86
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	15	0.86
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	15	0.86
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	9	0.86
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	9	0.86
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	9	0.86
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	9	0.86
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	9	0.86
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	9	0.86
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	14	0.86
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	14	0.86
(1,2472)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	14	0.86
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	14	0.86
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	14	0.86
(1,2472)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	14	0.86
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	1	0.86
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	1	0.86
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	9	0.86
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	20	0.86
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	12	0.86
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	12	0.86
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	12	0.86
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	12	0.86
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	12	0.86
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	12	0.86
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	15	0.86
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	15	0.86
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	2	0.86
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	20	0.86
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	20	0.86
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	20	0.86
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	20	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	20	0.86
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	20	0.86
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	20	0.86
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	20	0.86
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	20	0.86
(1,560)	1:224:A:ALA:HB3	1:225:A:TYR:HD2	9	0.86
(1,560)	1:224:A:ALA:HB1	1:225:A:TYR:HD1	15	0.86
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	19	0.86
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	19	0.86
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	19	0.86
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	19	0.86
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	19	0.86
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	19	0.86
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	8	0.86
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	8	0.86
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	8	0.86
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	17	0.86
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	17	0.86
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	17	0.86
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	8	0.86
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	8	0.86
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	8	0.86
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	17	0.86
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	17	0.86
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	17	0.86
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	2	0.86
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	2	0.86
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	2	0.86
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	19	0.86
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	19	0.86
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	19	0.86
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	19	0.86
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	19	0.86
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	19	0.86
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	20	0.86
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	20	0.86
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	20	0.86
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	20	0.86
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	20	0.86
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	20	0.86
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	17	0.86
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	17	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	17	0.86
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	15	0.86
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	15	0.86
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	15	0.86
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	9	0.86
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	9	0.86
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	9	0.86
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	9	0.86
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	9	0.86
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	9	0.86
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	17	0.85
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	17	0.85
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	17	0.85
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	17	0.85
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	17	0.85
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	17	0.85
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	4	0.85
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	4	0.85
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	4	0.85
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	8	0.85
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	8	0.85
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	8	0.85
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	18	0.85
(1,4501)	1:149:A:TYR:H	1:153:A:ASN:HD21	2	0.85
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	20	0.85
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	20	0.85
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	2	0.85
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	13	0.85
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	13	0.85
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	13	0.85
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	13	0.85
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	13	0.85
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	13	0.85
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	11	0.85
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	15	0.85
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	15	0.85
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	15	0.85
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	18	0.85
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	18	0.85
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	18	0.85
(1,3180)	1:225:A:TYR:HE1	1:229:A:ARG:HD3	2	0.85
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	14	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	14	0.85
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	14	0.85
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	3	0.85
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	3	0.85
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	3	0.85
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	9	0.85
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	9	0.85
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	9	0.85
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	20	0.85
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	20	0.85
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	20	0.85
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	14	0.85
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	14	0.85
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	14	0.85
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	8	0.85
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	8	0.85
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	8	0.85
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	8	0.85
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	8	0.85
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	8	0.85
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	3	0.85
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	3	0.85
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	3	0.85
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	5	0.85
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	5	0.85
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	5	0.85
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	17	0.85
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	17	0.85
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	17	0.85
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	17	0.85
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	17	0.85
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	17	0.85
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	4	0.85
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	4	0.85
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	4	0.85
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	8	0.85
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	8	0.85
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	8	0.85
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	18	0.85
(1,1755)	1:149:A:TYR:H	1:153:A:ASN:HD21	2	0.85
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	20	0.85
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	20	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	2	0.85
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	13	0.85
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	13	0.85
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	13	0.85
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	13	0.85
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	13	0.85
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	13	0.85
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	11	0.85
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	15	0.85
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	15	0.85
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	15	0.85
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	18	0.85
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	18	0.85
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	18	0.85
(1,434)	1:225:A:TYR:HE1	1:229:A:ARG:HD3	2	0.85
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	14	0.85
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	14	0.85
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	14	0.85
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	3	0.85
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	3	0.85
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	3	0.85
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	9	0.85
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	9	0.85
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	9	0.85
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	20	0.85
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	20	0.85
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	20	0.85
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	14	0.85
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	14	0.85
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	14	0.85
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	8	0.85
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	8	0.85
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	8	0.85
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	8	0.85
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	8	0.85
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	8	0.85
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	3	0.85
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	3	0.85
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	3	0.85
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	5	0.85
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	5	0.85
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	5	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	11	0.84
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	11	0.84
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	11	0.84
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	11	0.84
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	11	0.84
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	11	0.84
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	1	0.84
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	1	0.84
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	13	0.84
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	13	0.84
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	13	0.84
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	5	0.84
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	5	0.84
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	5	0.84
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	6	0.84
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	6	0.84
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	6	0.84
(1,4234)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	20	0.84
(1,4234)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	20	0.84
(1,4234)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	20	0.84
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	12	0.84
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	12	0.84
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	12	0.84
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	3	0.84
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	18	0.84
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	18	0.84
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	18	0.84
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	9	0.84
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	13	0.84
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	16	0.84
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	1	0.84
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	1	0.84
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	1	0.84
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	9	0.84
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	9	0.84
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	9	0.84
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	12	0.84
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	12	0.84
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	12	0.84
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	12	0.84
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	12	0.84
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	12	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	12	0.84
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	12	0.84
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	12	0.84
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	16	0.84
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	16	0.84
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	16	0.84
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	15	0.84
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	15	0.84
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	15	0.84
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	16	0.84
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	8	0.84
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	8	0.84
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	8	0.84
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG11	18	0.84
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG12	18	0.84
(1,2922)	1:198:A:PHE:HA	1:203:A:VAL:HG13	18	0.84
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	10	0.84
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	10	0.84
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	10	0.84
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	15	0.84
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	15	0.84
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	15	0.84
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG11	7	0.84
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG12	7	0.84
(1,2801)	1:180:A:VAL:H	1:210:A:VAL:HG13	7	0.84
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	5	0.84
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	5	0.84
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	5	0.84
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	5	0.84
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	5	0.84
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	5	0.84
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	11	0.84
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	11	0.84
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	11	0.84
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	11	0.84
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	11	0.84
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	11	0.84
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	1	0.84
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	1	0.84
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	13	0.84
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	13	0.84
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	5	0.84
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	5	0.84
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	5	0.84
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	6	0.84
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	6	0.84
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	6	0.84
(1,1488)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	20	0.84
(1,1488)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	20	0.84
(1,1488)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	20	0.84
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	12	0.84
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	12	0.84
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	12	0.84
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	3	0.84
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	18	0.84
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	18	0.84
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	18	0.84
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	9	0.84
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	13	0.84
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	16	0.84
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	1	0.84
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	1	0.84
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	1	0.84
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	9	0.84
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	9	0.84
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	9	0.84
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	12	0.84
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	12	0.84
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	12	0.84
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	12	0.84
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	12	0.84
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	12	0.84
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	12	0.84
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	12	0.84
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	12	0.84
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	16	0.84
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	16	0.84
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	16	0.84
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	15	0.84
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	15	0.84
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	15	0.84
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	16	0.84
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	8	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	8	0.84
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	8	0.84
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG11	18	0.84
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG12	18	0.84
(1,176)	1:198:A:PHE:HA	1:203:A:VAL:HG13	18	0.84
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	10	0.84
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	10	0.84
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	10	0.84
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	15	0.84
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	15	0.84
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	15	0.84
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG11	7	0.84
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG12	7	0.84
(1,55)	1:180:A:VAL:H	1:210:A:VAL:HG13	7	0.84
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	5	0.84
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	5	0.84
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	5	0.84
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	5	0.84
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	5	0.84
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	5	0.84
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	9	0.83
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	9	0.83
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	9	0.83
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	9	0.83
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	9	0.83
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	9	0.83
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	1	0.83
(1,5361)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	17	0.83
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	12	0.83
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	9	0.83
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	16	0.83
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	10	0.83
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	17	0.83
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	7	0.83
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	7	0.83
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	7	0.83
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	10	0.83
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	20	0.83
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	19	0.83
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	19	0.83
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	19	0.83
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	19	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	19	0.83
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	19	0.83
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	4	0.83
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	5	0.83
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	16	0.83
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	16	0.83
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	16	0.83
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	5	0.83
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	5	0.83
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	5	0.83
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	11	0.83
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	11	0.83
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	11	0.83
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	19	0.83
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	19	0.83
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	19	0.83
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	11	0.83
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	11	0.83
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	11	0.83
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	13	0.83
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	13	0.83
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	13	0.83
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	5	0.83
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG11	18	0.83
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG12	18	0.83
(1,2928)	1:199:A:THR:HA	1:203:A:VAL:HG13	18	0.83
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	5	0.83
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	5	0.83
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	5	0.83
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	5	0.83
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	5	0.83
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	5	0.83
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE1	14	0.83
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE2	14	0.83
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE3	14	0.83
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE1	14	0.83
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE2	14	0.83
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE3	14	0.83
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE1	14	0.83
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE2	14	0.83
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE3	14	0.83
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	9	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	9	0.83
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	9	0.83
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	9	0.83
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	9	0.83
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	9	0.83
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	1	0.83
(1,2615)	1:175:A:PHE:HZ	1:218:A:TYR:HB3	17	0.83
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	12	0.83
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	9	0.83
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	16	0.83
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	10	0.83
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	17	0.83
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	7	0.83
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	7	0.83
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	7	0.83
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	10	0.83
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	20	0.83
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	19	0.83
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	19	0.83
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	19	0.83
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	19	0.83
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	19	0.83
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	19	0.83
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	4	0.83
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	5	0.83
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	16	0.83
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	16	0.83
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	16	0.83
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	5	0.83
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	5	0.83
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	5	0.83
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	11	0.83
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	11	0.83
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	11	0.83
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	19	0.83
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	19	0.83
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	19	0.83
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	11	0.83
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	11	0.83
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	11	0.83
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	13	0.83
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	13	0.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	13	0.83
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	5	0.83
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG11	18	0.83
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG12	18	0.83
(1,182)	1:199:A:THR:HA	1:203:A:VAL:HG13	18	0.83
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	5	0.83
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	5	0.83
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	5	0.83
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	5	0.83
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	5	0.83
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	5	0.83
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE1	14	0.83
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE2	14	0.83
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE3	14	0.83
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE1	14	0.83
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE2	14	0.83
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE3	14	0.83
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE1	14	0.83
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE2	14	0.83
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE3	14	0.83
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	17	0.82
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	17	0.82
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	1	0.82
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	1	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	1	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	1	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	1	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	1	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	1	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	1	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	6	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	6	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	6	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	6	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	6	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	6	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	13	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	13	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	13	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	13	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	13	0.82
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	13	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	2	0.82
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	2	0.82
(1,5070)	1:172:A:GLN:HE22	1:218:A:TYR:HE1	5	0.82
(1,5070)	1:172:A:GLN:HE22	1:218:A:TYR:HE2	5	0.82
(1,5070)	1:172:A:GLN:HE22	1:218:A:TYR:HE1	6	0.82
(1,5070)	1:172:A:GLN:HE22	1:218:A:TYR:HE2	6	0.82
(1,5037)	1:159:A:ASN:HD22	1:160:A:GLN:H	13	0.82
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	13	0.82
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	13	0.82
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	13	0.82
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	13	0.82
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	15	0.82
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	15	0.82
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	15	0.82
(1,4583)	1:176:A:VAL:HG21	1:218:A:TYR:H	12	0.82
(1,4583)	1:176:A:VAL:HG22	1:218:A:TYR:H	12	0.82
(1,4583)	1:176:A:VAL:HG23	1:218:A:TYR:H	12	0.82
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	1	0.82
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	6	0.82
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	5	0.82
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	18	0.82
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	17	0.82
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	19	0.82
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	11	0.82
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	11	0.82
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	11	0.82
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	11	0.82
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	11	0.82
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	11	0.82
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	11	0.82
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	11	0.82
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	11	0.82
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE1	13	0.82
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE2	13	0.82
(1,3330)	1:146:A:GLU:HG3	1:205:A:MET:HE3	13	0.82
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	13	0.82
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	13	0.82
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	13	0.82
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	6	0.82
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	6	0.82
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	6	0.82
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	11	0.82
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	11	0.82
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	2	0.82
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	2	0.82
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	2	0.82
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	2	0.82
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	13	0.82
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	9	0.82
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	9	0.82
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	9	0.82
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	9	0.82
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	9	0.82
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	9	0.82
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	7	0.82
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	7	0.82
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	7	0.82
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	19	0.82
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	19	0.82
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	19	0.82
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	17	0.82
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	17	0.82
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	1	0.82
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	1	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	1	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	1	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	1	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	1	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	1	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	1	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	6	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	6	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	6	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	6	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	6	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	6	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	13	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	13	0.82
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	13	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	13	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	13	0.82
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	13	0.82
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	2	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	2	0.82
(1,2324)	1:172:A:GLN:HE22	1:218:A:TYR:HE1	5	0.82
(1,2324)	1:172:A:GLN:HE22	1:218:A:TYR:HE2	5	0.82
(1,2324)	1:172:A:GLN:HE22	1:218:A:TYR:HE1	6	0.82
(1,2324)	1:172:A:GLN:HE22	1:218:A:TYR:HE2	6	0.82
(1,2291)	1:159:A:ASN:HD22	1:160:A:GLN:H	13	0.82
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	13	0.82
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	13	0.82
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	13	0.82
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	13	0.82
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	15	0.82
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	15	0.82
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	15	0.82
(1,1837)	1:176:A:VAL:HG21	1:218:A:TYR:H	12	0.82
(1,1837)	1:176:A:VAL:HG22	1:218:A:TYR:H	12	0.82
(1,1837)	1:176:A:VAL:HG23	1:218:A:TYR:H	12	0.82
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	1	0.82
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	6	0.82
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	5	0.82
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	18	0.82
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	17	0.82
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	19	0.82
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	11	0.82
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	11	0.82
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	11	0.82
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	11	0.82
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	11	0.82
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	11	0.82
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	11	0.82
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	11	0.82
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	11	0.82
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE1	13	0.82
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE2	13	0.82
(1,584)	1:146:A:GLU:HG3	1:205:A:MET:HE3	13	0.82
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	13	0.82
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	13	0.82
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	13	0.82
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	6	0.82
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	6	0.82
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	6	0.82
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	11	0.82
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	11	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	11	0.82
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	2	0.82
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	2	0.82
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	2	0.82
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	2	0.82
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	13	0.82
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	9	0.82
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	9	0.82
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	9	0.82
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	9	0.82
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	9	0.82
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	9	0.82
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	7	0.82
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	7	0.82
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	7	0.82
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	19	0.82
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	19	0.82
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	19	0.82
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	3	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	3	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	3	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	3	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	3	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	3	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	12	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	12	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	12	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	12	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	12	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	12	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	16	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	16	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	16	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	16	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	16	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	16	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	17	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	17	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	17	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	17	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	17	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	17	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	19	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	19	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	19	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	19	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	19	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	19	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	20	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	20	0.81
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	20	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	20	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	20	0.81
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	20	0.81
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	2	0.81
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	2	0.81
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	10	0.81
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	10	0.81
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	14	0.81
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	9	0.81
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	20	0.81
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	20	0.81
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	20	0.81
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	18	0.81
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	2	0.81
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	2	0.81
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	2	0.81
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	15	0.81
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	15	0.81
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	15	0.81
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	9	0.81
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	9	0.81
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	9	0.81
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	16	0.81
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	16	0.81
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	16	0.81
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	7	0.81
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	7	0.81
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	7	0.81
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	19	0.81
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	19	0.81
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	19	0.81
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	19	0.81
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	19	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	19	0.81
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	5	0.81
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	5	0.81
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	5	0.81
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	16	0.81
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	16	0.81
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	16	0.81
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	13	0.81
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	13	0.81
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	13	0.81
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	13	0.81
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	13	0.81
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	13	0.81
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	16	0.81
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	16	0.81
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	16	0.81
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	16	0.81
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	16	0.81
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	16	0.81
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	9	0.81
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	9	0.81
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	9	0.81
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	9	0.81
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	9	0.81
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	9	0.81
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	20	0.81
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	20	0.81
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	20	0.81
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	20	0.81
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	20	0.81
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	20	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	3	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	3	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	3	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	3	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	3	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	3	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	12	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	12	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	12	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	12	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	12	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	12	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	16	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	16	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	16	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	16	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	16	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	16	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	17	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	17	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	17	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	17	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	17	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	17	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	19	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	19	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	19	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	19	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	19	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	19	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	20	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	20	0.81
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	20	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	20	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	20	0.81
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	20	0.81
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	2	0.81
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	2	0.81
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	10	0.81
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	10	0.81
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	14	0.81
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	9	0.81
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	20	0.81
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	20	0.81
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	20	0.81
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	18	0.81
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	2	0.81
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	2	0.81
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	2	0.81
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	15	0.81
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	15	0.81
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	15	0.81
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	9	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	9	0.81
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	9	0.81
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	16	0.81
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	16	0.81
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	16	0.81
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	7	0.81
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	7	0.81
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	7	0.81
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	19	0.81
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	19	0.81
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	19	0.81
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	19	0.81
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	19	0.81
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	19	0.81
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	5	0.81
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	5	0.81
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	5	0.81
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	16	0.81
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	16	0.81
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	16	0.81
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	13	0.81
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	13	0.81
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	13	0.81
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	13	0.81
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	13	0.81
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	13	0.81
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	16	0.81
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	16	0.81
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	16	0.81
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	16	0.81
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	16	0.81
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	16	0.81
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	9	0.81
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	9	0.81
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	9	0.81
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	9	0.81
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	9	0.81
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	9	0.81
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	20	0.81
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	20	0.81
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	20	0.81
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	20	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	20	0.81
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	20	0.81
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	10	0.8
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	10	0.8
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	18	0.8
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	18	0.8
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	11	0.8
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	11	0.8
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	11	0.8
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	8	0.8
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	8	0.8
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	8	0.8
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	8	0.8
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	8	0.8
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	8	0.8
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	11	0.8
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	17	0.8
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	8	0.8
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	3	0.8
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	3	0.8
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	3	0.8
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	17	0.8
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	17	0.8
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	17	0.8
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	7	0.8
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	7	0.8
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	7	0.8
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	7	0.8
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	7	0.8
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	7	0.8
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	14	0.8
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	20	0.8
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	20	0.8
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	20	0.8
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	19	0.8
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	19	0.8
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	19	0.8
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE1	5	0.8
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE2	5	0.8
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE3	5	0.8
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE1	5	0.8
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE2	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE3	5	0.8
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE1	5	0.8
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE2	5	0.8
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE3	5	0.8
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	18	0.8
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	18	0.8
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	18	0.8
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	7	0.8
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	7	0.8
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	7	0.8
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	10	0.8
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	10	0.8
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	18	0.8
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	18	0.8
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	11	0.8
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	11	0.8
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	11	0.8
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	8	0.8
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	8	0.8
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	8	0.8
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	8	0.8
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	8	0.8
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	8	0.8
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	11	0.8
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	17	0.8
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	8	0.8
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	3	0.8
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	3	0.8
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	3	0.8
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	17	0.8
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	17	0.8
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	17	0.8
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	7	0.8
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	7	0.8
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	7	0.8
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	7	0.8
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	7	0.8
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	7	0.8
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	14	0.8
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	20	0.8
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	20	0.8
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	20	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	19	0.8
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	19	0.8
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	19	0.8
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE1	5	0.8
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE2	5	0.8
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE3	5	0.8
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE1	5	0.8
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE2	5	0.8
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE3	5	0.8
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE1	5	0.8
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE2	5	0.8
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE3	5	0.8
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	18	0.8
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	18	0.8
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	18	0.8
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	7	0.8
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	7	0.8
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	7	0.8
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	7	0.79
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	7	0.79
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	7	0.79
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	7	0.79
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	7	0.79
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	7	0.79
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	8	0.79
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	8	0.79
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	8	0.79
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	8	0.79
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	8	0.79
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	8	0.79
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	7	0.79
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	7	0.79
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	7	0.79
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	7	0.79
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	7	0.79
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	7	0.79
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	8	0.79
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	15	0.79
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	19	0.79
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	19	0.79
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	19	0.79
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	2	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	3	0.79
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	7	0.79
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	2	0.79
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	2	0.79
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	2	0.79
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	5	0.79
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	5	0.79
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	5	0.79
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	12	0.79
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG21	9	0.79
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG22	9	0.79
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG23	9	0.79
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	16	0.79
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	16	0.79
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	16	0.79
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	19	0.79
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	19	0.79
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	19	0.79
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	4	0.79
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	4	0.79
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	4	0.79
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG21	11	0.79
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG22	11	0.79
(1,2981)	1:134:A:MET:HB2	1:216:A:THR:HG23	11	0.79
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	20	0.79
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	20	0.79
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	20	0.79
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	12	0.79
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	12	0.79
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	12	0.79
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	12	0.79
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	12	0.79
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	12	0.79
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	15	0.79
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	15	0.79
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	15	0.79
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	5	0.79
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	5	0.79
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	5	0.79
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	1	0.79
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	1	0.79
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	1	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	7	0.79
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	7	0.79
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	7	0.79
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	7	0.79
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	7	0.79
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	7	0.79
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	8	0.79
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	8	0.79
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	8	0.79
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	8	0.79
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	8	0.79
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	8	0.79
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	7	0.79
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	7	0.79
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	7	0.79
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	7	0.79
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	7	0.79
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	7	0.79
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	8	0.79
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	15	0.79
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	19	0.79
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	19	0.79
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	19	0.79
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	2	0.79
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	3	0.79
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	7	0.79
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	2	0.79
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	2	0.79
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	2	0.79
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	5	0.79
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	5	0.79
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	5	0.79
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	12	0.79
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG21	9	0.79
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG22	9	0.79
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG23	9	0.79
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	16	0.79
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	16	0.79
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	16	0.79
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	19	0.79
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	19	0.79
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	19	0.79

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	4	0.79
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	4	0.79
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	4	0.79
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG21	11	0.79
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG22	11	0.79
(1,235)	1:134:A:MET:HB2	1:216:A:THR:HG23	11	0.79
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	20	0.79
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	20	0.79
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	20	0.79
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	12	0.79
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	12	0.79
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	12	0.79
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	12	0.79
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	12	0.79
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	12	0.79
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	15	0.79
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	15	0.79
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	15	0.79
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	5	0.79
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	5	0.79
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	5	0.79
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	1	0.79
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	1	0.79
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	1	0.79
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	5	0.78
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	5	0.78
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	5	0.78
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	5	0.78
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	5	0.78
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	5	0.78
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	11	0.78
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	11	0.78
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	11	0.78
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	11	0.78
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	11	0.78
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	11	0.78
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	8	0.78
(1,5221)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	8	0.78
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	2	0.78
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	13	0.78
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	15	0.78
(1,4142)	1:154:A:MET:HG3	1:155:A:TYR:HE1	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4142)	1:154:A:MET:HG3	1:155:A:TYR:HE2	11	0.78
(1,3740)	1:135:A:SER:HA	1:136:A:ARG:HB2	17	0.78
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	17	0.78
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	11	0.78
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	17	0.78
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	13	0.78
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	13	0.78
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	13	0.78
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	9	0.78
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	9	0.78
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	9	0.78
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	9	0.78
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	9	0.78
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	9	0.78
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	3	0.78
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	3	0.78
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	3	0.78
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	6	0.78
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG21	7	0.78
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG22	7	0.78
(1,2835)	1:208:A:ARG:H	1:210:A:VAL:HG23	7	0.78
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	17	0.78
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	17	0.78
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	17	0.78
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	17	0.78
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	17	0.78
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	17	0.78
(1,2780)	1:176:A:VAL:HG21	1:215:A:VAL:H	10	0.78
(1,2780)	1:176:A:VAL:HG22	1:215:A:VAL:H	10	0.78
(1,2780)	1:176:A:VAL:HG23	1:215:A:VAL:H	10	0.78
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	5	0.78
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	5	0.78
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	5	0.78
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	5	0.78
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	5	0.78
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	5	0.78
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	11	0.78
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	11	0.78
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	11	0.78
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	11	0.78
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	11	0.78
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD1	8	0.78
(1,2475)	1:146:A:GLU:HG3	1:149:A:TYR:HD2	8	0.78
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	2	0.78
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	13	0.78
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	15	0.78
(1,1396)	1:154:A:MET:HG3	1:155:A:TYR:HE1	11	0.78
(1,1396)	1:154:A:MET:HG3	1:155:A:TYR:HE2	11	0.78
(1,994)	1:135:A:SER:HA	1:136:A:ARG:HB2	17	0.78
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	17	0.78
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	11	0.78
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	17	0.78
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	13	0.78
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	13	0.78
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	13	0.78
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	9	0.78
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	9	0.78
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	9	0.78
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	9	0.78
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	9	0.78
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	9	0.78
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	3	0.78
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	3	0.78
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	3	0.78
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	6	0.78
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG21	7	0.78
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG22	7	0.78
(1,89)	1:208:A:ARG:H	1:210:A:VAL:HG23	7	0.78
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	17	0.78
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	17	0.78
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	17	0.78
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	17	0.78
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	17	0.78
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	17	0.78
(1,34)	1:176:A:VAL:HG21	1:215:A:VAL:H	10	0.78
(1,34)	1:176:A:VAL:HG22	1:215:A:VAL:H	10	0.78
(1,34)	1:176:A:VAL:HG23	1:215:A:VAL:H	10	0.78
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	6	0.77
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	6	0.77
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	6	0.77
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	6	0.77
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	6	0.77
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	6	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	15	0.77
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	15	0.77
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	18	0.77
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	18	0.77
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	4	0.77
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	3	0.77
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	14	0.77
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	14	0.77
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	17	0.77
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	4	0.77
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	4	0.77
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	4	0.77
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	8	0.77
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	8	0.77
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	8	0.77
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	8	0.77
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	8	0.77
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	8	0.77
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	8	0.77
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	8	0.77
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	8	0.77
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	1	0.77
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	1	0.77
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	1	0.77
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	11	0.77
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	11	0.77
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	11	0.77
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	18	0.77
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	18	0.77
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	18	0.77
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	18	0.77
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	18	0.77
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	18	0.77
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	18	0.77
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	18	0.77
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	18	0.77
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.77
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.77
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.77
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	19	0.77
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	19	0.77
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	19	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	20	0.77
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	20	0.77
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	20	0.77
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	20	0.77
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	20	0.77
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	20	0.77
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	6	0.77
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	6	0.77
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	6	0.77
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	6	0.77
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	6	0.77
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	6	0.77
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	15	0.77
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	15	0.77
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	18	0.77
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	18	0.77
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	4	0.77
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	3	0.77
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	14	0.77
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	14	0.77
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	17	0.77
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	4	0.77
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	4	0.77
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	4	0.77
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	8	0.77
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	8	0.77
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	8	0.77
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	8	0.77
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	8	0.77
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	8	0.77
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	8	0.77
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	8	0.77
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	8	0.77
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	1	0.77
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	1	0.77
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	1	0.77
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	11	0.77
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	11	0.77
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	11	0.77
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	18	0.77
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	18	0.77
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	18	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	18	0.77
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	18	0.77
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	18	0.77
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	18	0.77
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	18	0.77
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	18	0.77
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.77
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.77
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.77
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	19	0.77
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	19	0.77
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	19	0.77
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	20	0.77
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	20	0.77
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	20	0.77
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	20	0.77
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	20	0.77
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	20	0.77
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	5	0.76
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	5	0.76
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	19	0.76
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	19	0.76
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	15	0.76
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	9	0.76
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	9	0.76
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	9	0.76
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	9	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	13	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	13	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	13	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	14	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	14	0.76
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	14	0.76
(1,3499)	1:138:A:MET:HE1	1:151:A:ARG:HG3	14	0.76
(1,3499)	1:138:A:MET:HE2	1:151:A:ARG:HG3	14	0.76
(1,3499)	1:138:A:MET:HE3	1:151:A:ARG:HG3	14	0.76
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	14	0.76
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	14	0.76
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	14	0.76
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	18	0.76
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	4	0.76
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	4	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	4	0.76
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	14	0.76
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	14	0.76
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	14	0.76
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	19	0.76
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	19	0.76
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	19	0.76
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	20	0.76
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	20	0.76
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	20	0.76
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	3	0.76
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE1	20	0.76
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE2	20	0.76
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE3	20	0.76
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE1	20	0.76
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE2	20	0.76
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE3	20	0.76
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE1	20	0.76
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE2	20	0.76
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE3	20	0.76
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	9	0.76
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	9	0.76
(1,2813)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	9	0.76
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	9	0.76
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	9	0.76
(1,2813)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	9	0.76
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	9	0.76
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	9	0.76
(1,2813)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	9	0.76
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	11	0.76
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	11	0.76
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	11	0.76
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	11	0.76
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	11	0.76
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	11	0.76
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	5	0.76
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	5	0.76
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	19	0.76
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	19	0.76
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	15	0.76
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	9	0.76
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	9	0.76
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	9	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	13	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	13	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	13	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	14	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	14	0.76
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	14	0.76
(1,753)	1:138:A:MET:HE1	1:151:A:ARG:HG3	14	0.76
(1,753)	1:138:A:MET:HE2	1:151:A:ARG:HG3	14	0.76
(1,753)	1:138:A:MET:HE3	1:151:A:ARG:HG3	14	0.76
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	14	0.76
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	14	0.76
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	14	0.76
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	18	0.76
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	4	0.76
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	4	0.76
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	4	0.76
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	14	0.76
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	14	0.76
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	14	0.76
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	19	0.76
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	19	0.76
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	19	0.76
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	20	0.76
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	20	0.76
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	20	0.76
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	3	0.76
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE1	20	0.76
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE2	20	0.76
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE3	20	0.76
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE1	20	0.76
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE2	20	0.76
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE3	20	0.76
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE1	20	0.76
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE2	20	0.76
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE3	20	0.76
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG11	9	0.76
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG12	9	0.76
(1,67)	1:161:A:VAL:HG11	1:210:A:VAL:HG13	9	0.76
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG11	9	0.76
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG12	9	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:161:A:VAL:HG12	1:210:A:VAL:HG13	9	0.76
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG11	9	0.76
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG12	9	0.76
(1,67)	1:161:A:VAL:HG13	1:210:A:VAL:HG13	9	0.76
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	11	0.76
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	11	0.76
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	11	0.76
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	11	0.76
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	11	0.76
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	11	0.76
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	15	0.75
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	15	0.75
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	15	0.75
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	15	0.75
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	15	0.75
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	15	0.75
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	4	0.75
(1,5424)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	4	0.75
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	4	0.75
(1,5424)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	4	0.75
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	4	0.75
(1,5424)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	4	0.75
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	11	0.75
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	9	0.75
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	9	0.75
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	9	0.75
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	1	0.75
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	1	0.75
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	1	0.75
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	16	0.75
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	10	0.75
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	6	0.75
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	18	0.75
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	18	0.75
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	18	0.75
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	18	0.75
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	18	0.75
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	18	0.75
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	8	0.75
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	2	0.75
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	2	0.75
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	2	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	13	0.75
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	13	0.75
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	13	0.75
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	19	0.75
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	19	0.75
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	19	0.75
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	11	0.75
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	7	0.75
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	7	0.75
(1,3180)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	13	0.75
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	14	0.75
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	14	0.75
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	14	0.75
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	6	0.75
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	6	0.75
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	6	0.75
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	16	0.75
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	16	0.75
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	16	0.75
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	7	0.75
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	7	0.75
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	7	0.75
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD21	4	0.75
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD22	4	0.75
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD23	4	0.75
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	15	0.75
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	15	0.75
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	15	0.75
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	15	0.75
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	15	0.75
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	15	0.75
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE1	4	0.75
(1,2678)	1:125:A:LEU:HD21	1:162:A:TYR:HE2	4	0.75
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE1	4	0.75
(1,2678)	1:125:A:LEU:HD22	1:162:A:TYR:HE2	4	0.75
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE1	4	0.75
(1,2678)	1:125:A:LEU:HD23	1:162:A:TYR:HE2	4	0.75
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	11	0.75
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	9	0.75
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	9	0.75
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	9	0.75
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	1	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	1	0.75
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	1	0.75
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	16	0.75
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	10	0.75
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	6	0.75
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	18	0.75
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	18	0.75
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	18	0.75
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	18	0.75
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	18	0.75
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	18	0.75
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	8	0.75
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	2	0.75
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	2	0.75
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	2	0.75
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	13	0.75
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	13	0.75
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	13	0.75
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	19	0.75
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	19	0.75
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	19	0.75
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	11	0.75
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	7	0.75
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	7	0.75
(1,434)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	13	0.75
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	14	0.75
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	14	0.75
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	14	0.75
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	6	0.75
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	6	0.75
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	6	0.75
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	16	0.75
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	16	0.75
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	16	0.75
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	7	0.75
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	7	0.75
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	7	0.75
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD21	4	0.75
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD22	4	0.75
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD23	4	0.75
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	12	0.74
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	20	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	20	0.74
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	14	0.74
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	4	0.74
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	14	0.74
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	10	0.74
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	11	0.74
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	18	0.74
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	2	0.74
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	9	0.74
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	9	0.74
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	9	0.74
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	11	0.74
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	11	0.74
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	11	0.74
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	2	0.74
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	17	0.74
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	17	0.74
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	17	0.74
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	17	0.74
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	16	0.74
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	19	0.74
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	8	0.74
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	8	0.74
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	8	0.74
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	19	0.74
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	19	0.74
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	19	0.74
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	5	0.74
(1,3624)	1:151:A:ARG:HA	1:154:A:MET:HG2	3	0.74
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	18	0.74
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	18	0.74
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	18	0.74
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	7	0.74
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	7	0.74
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	7	0.74
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	8	0.74
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	8	0.74
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	8	0.74
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	5	0.74
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	5	0.74
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	5	0.74
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	12	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	12	0.74
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	12	0.74
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	2	0.74
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	2	0.74
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	2	0.74
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	5	0.74
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	5	0.74
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	5	0.74
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	8	0.74
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	8	0.74
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	8	0.74
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	18	0.74
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	18	0.74
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	18	0.74
(1,2786)	1:176:A:VAL:HG21	1:215:A:VAL:HA	20	0.74
(1,2786)	1:176:A:VAL:HG22	1:215:A:VAL:HA	20	0.74
(1,2786)	1:176:A:VAL:HG23	1:215:A:VAL:HA	20	0.74
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	12	0.74
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	20	0.74
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	20	0.74
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	14	0.74
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	4	0.74
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	14	0.74
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	10	0.74
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	11	0.74
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	18	0.74
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	2	0.74
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	9	0.74
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	9	0.74
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	9	0.74
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	11	0.74
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	11	0.74
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	11	0.74
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	2	0.74
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	17	0.74
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	17	0.74
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	17	0.74
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	17	0.74
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	16	0.74
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	19	0.74
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	8	0.74
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	8	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	8	0.74
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	19	0.74
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	19	0.74
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	19	0.74
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	5	0.74
(1,878)	1:151:A:ARG:HA	1:154:A:MET:HG2	3	0.74
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	18	0.74
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	18	0.74
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	18	0.74
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	7	0.74
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	7	0.74
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	7	0.74
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	8	0.74
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	8	0.74
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	8	0.74
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	5	0.74
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	5	0.74
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	5	0.74
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	12	0.74
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	12	0.74
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	12	0.74
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	2	0.74
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	2	0.74
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	2	0.74
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	5	0.74
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	5	0.74
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	5	0.74
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	8	0.74
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	8	0.74
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	8	0.74
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	18	0.74
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	18	0.74
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	18	0.74
(1,40)	1:176:A:VAL:HG21	1:215:A:VAL:HA	20	0.74
(1,40)	1:176:A:VAL:HG22	1:215:A:VAL:HA	20	0.74
(1,40)	1:176:A:VAL:HG23	1:215:A:VAL:HA	20	0.74
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	17	0.73
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	12	0.73
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	12	0.73
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	10	0.73
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	11	0.73
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	11	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	11	0.73
(1,4007)	1:194:A:LYS:HB3	1:196:A:GLU:H	7	0.73
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	7	0.73
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	7	0.73
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	7	0.73
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	20	0.73
(1,3618)	1:166:A:VAL:HG21	1:170:A:SER:HA	6	0.73
(1,3618)	1:166:A:VAL:HG22	1:170:A:SER:HA	6	0.73
(1,3618)	1:166:A:VAL:HG23	1:170:A:SER:HA	6	0.73
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	18	0.73
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	18	0.73
(1,3572)	1:175:A:PHE:HA	1:178:A:ASP:HB2	7	0.73
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	3	0.73
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	3	0.73
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	3	0.73
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	13	0.73
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	1	0.73
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	1	0.73
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	1	0.73
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	8	0.73
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	8	0.73
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	8	0.73
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	10	0.73
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	10	0.73
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	10	0.73
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	1	0.73
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	1	0.73
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	1	0.73
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	17	0.73
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	17	0.73
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	17	0.73
(1,3084)	1:130:A:LEU:HD11	1:162:A:TYR:H	4	0.73
(1,3084)	1:130:A:LEU:HD12	1:162:A:TYR:H	4	0.73
(1,3084)	1:130:A:LEU:HD13	1:162:A:TYR:H	4	0.73
(1,3082)	1:130:A:LEU:HD11	1:131:A:GLY:H	3	0.73
(1,3082)	1:130:A:LEU:HD12	1:131:A:GLY:H	3	0.73
(1,3082)	1:130:A:LEU:HD13	1:131:A:GLY:H	3	0.73
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	12	0.73
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	12	0.73
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	12	0.73
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	1	0.73
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	1	0.73
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	8	0.73
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	8	0.73
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	8	0.73
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	11	0.73
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	11	0.73
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	11	0.73
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	13	0.73
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	13	0.73
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	13	0.73
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	16	0.73
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	16	0.73
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	16	0.73
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	14	0.73
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	14	0.73
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	14	0.73
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	7	0.73
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	7	0.73
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	7	0.73
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	6	0.73
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	6	0.73
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	6	0.73
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	6	0.73
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	6	0.73
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	6	0.73
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	6	0.73
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	6	0.73
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	6	0.73
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	2	0.73
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	2	0.73
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	2	0.73
(1,2780)	1:176:A:VAL:HG21	1:215:A:VAL:H	20	0.73
(1,2780)	1:176:A:VAL:HG22	1:215:A:VAL:H	20	0.73
(1,2780)	1:176:A:VAL:HG23	1:215:A:VAL:H	20	0.73
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	17	0.73
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	12	0.73
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	12	0.73
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	10	0.73
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	11	0.73
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	11	0.73
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	11	0.73
(1,1261)	1:194:A:LYS:HB3	1:196:A:GLU:H	7	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	7	0.73
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	7	0.73
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	7	0.73
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	20	0.73
(1,872)	1:166:A:VAL:HG21	1:170:A:SER:HA	6	0.73
(1,872)	1:166:A:VAL:HG22	1:170:A:SER:HA	6	0.73
(1,872)	1:166:A:VAL:HG23	1:170:A:SER:HA	6	0.73
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	18	0.73
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	18	0.73
(1,826)	1:175:A:PHE:HA	1:178:A:ASP:HB2	7	0.73
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	3	0.73
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	3	0.73
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	3	0.73
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	13	0.73
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	1	0.73
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	1	0.73
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	1	0.73
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	8	0.73
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	8	0.73
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	8	0.73
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	10	0.73
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	10	0.73
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	10	0.73
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	1	0.73
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	1	0.73
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	1	0.73
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	17	0.73
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	17	0.73
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	17	0.73
(1,338)	1:130:A:LEU:HD11	1:162:A:TYR:H	4	0.73
(1,338)	1:130:A:LEU:HD12	1:162:A:TYR:H	4	0.73
(1,338)	1:130:A:LEU:HD13	1:162:A:TYR:H	4	0.73
(1,336)	1:130:A:LEU:HD11	1:131:A:GLY:H	3	0.73
(1,336)	1:130:A:LEU:HD12	1:131:A:GLY:H	3	0.73
(1,336)	1:130:A:LEU:HD13	1:131:A:GLY:H	3	0.73
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	12	0.73
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	12	0.73
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	12	0.73
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	1	0.73
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	1	0.73
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	1	0.73
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	8	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	8	0.73
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	8	0.73
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	11	0.73
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	11	0.73
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	11	0.73
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	13	0.73
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	13	0.73
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	13	0.73
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	16	0.73
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	16	0.73
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	16	0.73
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	14	0.73
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	14	0.73
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	14	0.73
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	7	0.73
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	7	0.73
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	7	0.73
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	6	0.73
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	6	0.73
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	6	0.73
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	6	0.73
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	6	0.73
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	6	0.73
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	6	0.73
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	6	0.73
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	6	0.73
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	2	0.73
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	2	0.73
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	2	0.73
(1,34)	1:176:A:VAL:HG21	1:215:A:VAL:H	20	0.73
(1,34)	1:176:A:VAL:HG22	1:215:A:VAL:H	20	0.73
(1,34)	1:176:A:VAL:HG23	1:215:A:VAL:H	20	0.73
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	10	0.72
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	10	0.72
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	10	0.72
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	10	0.72
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	10	0.72
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	10	0.72
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	1	0.72
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	4	0.72
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	4	0.72
(1,5078)	1:172:A:GLN:HE21	1:215:A:VAL:HB	5	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	12	0.72
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	12	0.72
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	12	0.72
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	3	0.72
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	13	0.72
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	17	0.72
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	2	0.72
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	2	0.72
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	2	0.72
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	9	0.72
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	19	0.72
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	20	0.72
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	20	0.72
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	20	0.72
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	12	0.72
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	12	0.72
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	12	0.72
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	14	0.72
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	14	0.72
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	14	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	4	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	4	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	4	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	14	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	14	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	14	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	19	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	19	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	19	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	20	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	20	0.72
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	20	0.72
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	17	0.72
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	17	0.72
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	17	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	1	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	1	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	1	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	3	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	3	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	3	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	6	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	6	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	15	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	15	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	15	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	17	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	17	0.72
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	17	0.72
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	2	0.72
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	2	0.72
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	2	0.72
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	16	0.72
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	16	0.72
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	16	0.72
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	10	0.72
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	10	0.72
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	10	0.72
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	10	0.72
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	10	0.72
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	10	0.72
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	1	0.72
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	4	0.72
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	4	0.72
(1,2332)	1:172:A:GLN:HE21	1:215:A:VAL:HB	5	0.72
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	12	0.72
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	12	0.72
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	12	0.72
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	3	0.72
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	13	0.72
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	17	0.72
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	2	0.72
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	2	0.72
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	2	0.72
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	9	0.72
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	19	0.72
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	20	0.72
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	20	0.72
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	20	0.72
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	12	0.72
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	12	0.72
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	12	0.72
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	14	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	14	0.72
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	14	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	4	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	4	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	4	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	14	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	14	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	14	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	19	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	19	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	19	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	20	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	20	0.72
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	20	0.72
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	17	0.72
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	17	0.72
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	17	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	1	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	1	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	1	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	3	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	3	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	3	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	6	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	6	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	6	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	15	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	15	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	15	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	17	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	17	0.72
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	17	0.72
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	2	0.72
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	2	0.72
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	2	0.72
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	16	0.72
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	16	0.72
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	16	0.72
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	16	0.71
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	16	0.71
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	16	0.71
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	9	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	10	0.71
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	10	0.71
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	10	0.71
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	19	0.71
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	19	0.71
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	19	0.71
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	12	0.71
(1,4325)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	3	0.71
(1,4325)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	3	0.71
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	17	0.71
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	17	0.71
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	3	0.71
(1,3618)	1:166:A:VAL:HG21	1:170:A:SER:HA	5	0.71
(1,3618)	1:166:A:VAL:HG22	1:170:A:SER:HA	5	0.71
(1,3618)	1:166:A:VAL:HG23	1:170:A:SER:HA	5	0.71
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	6	0.71
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	6	0.71
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	6	0.71
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	6	0.71
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	6	0.71
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	6	0.71
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	6	0.71
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	6	0.71
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	6	0.71
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	7	0.71
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	2	0.71
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	2	0.71
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	2	0.71
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	10	0.71
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	10	0.71
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	10	0.71
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	10	0.71
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	10	0.71
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	10	0.71
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	2	0.71
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	2	0.71
(1,3125)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	2	0.71
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	10	0.71
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	10	0.71
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	10	0.71
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	1	0.71
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	1	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	1	0.71
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	12	0.71
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	12	0.71
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	12	0.71
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	13	0.71
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	13	0.71
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	13	0.71
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	3	0.71
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	3	0.71
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	3	0.71
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	13	0.71
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	13	0.71
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	13	0.71
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	15	0.71
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	15	0.71
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	15	0.71
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	2	0.71
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	2	0.71
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	2	0.71
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	15	0.71
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	15	0.71
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	15	0.71
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	3	0.71
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	3	0.71
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	3	0.71
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	20	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	2	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	2	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	2	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	9	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	9	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	9	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	13	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	13	0.71
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	13	0.71
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	9	0.71
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	9	0.71
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	9	0.71
(1,2786)	1:176:A:VAL:HG21	1:215:A:VAL:HA	10	0.71
(1,2786)	1:176:A:VAL:HG22	1:215:A:VAL:HA	10	0.71
(1,2786)	1:176:A:VAL:HG23	1:215:A:VAL:HA	10	0.71
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	16	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	16	0.71
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	16	0.71
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	9	0.71
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	10	0.71
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	10	0.71
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	10	0.71
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	19	0.71
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	19	0.71
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	19	0.71
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	12	0.71
(1,1579)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	3	0.71
(1,1579)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	3	0.71
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	17	0.71
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	17	0.71
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	3	0.71
(1,872)	1:166:A:VAL:HG21	1:170:A:SER:HA	5	0.71
(1,872)	1:166:A:VAL:HG22	1:170:A:SER:HA	5	0.71
(1,872)	1:166:A:VAL:HG23	1:170:A:SER:HA	5	0.71
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	6	0.71
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	6	0.71
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	6	0.71
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	6	0.71
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	6	0.71
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	6	0.71
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	6	0.71
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	6	0.71
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	6	0.71
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	7	0.71
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	2	0.71
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	2	0.71
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	2	0.71
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	10	0.71
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	10	0.71
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	10	0.71
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	10	0.71
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	10	0.71
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	10	0.71
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	2	0.71
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	2	0.71
(1,379)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	2	0.71
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	10	0.71
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	10	0.71
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	1	0.71
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	1	0.71
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	1	0.71
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	12	0.71
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	12	0.71
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	12	0.71
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	13	0.71
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	13	0.71
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	13	0.71
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	3	0.71
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	3	0.71
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	3	0.71
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	13	0.71
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	13	0.71
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	13	0.71
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	15	0.71
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	15	0.71
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	15	0.71
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	2	0.71
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	2	0.71
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	2	0.71
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	15	0.71
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	15	0.71
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	15	0.71
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	3	0.71
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	3	0.71
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	3	0.71
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	20	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	2	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	2	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	2	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	9	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	9	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	9	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	13	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	13	0.71
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	13	0.71
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	9	0.71
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	9	0.71
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	9	0.71
(1,40)	1:176:A:VAL:HG21	1:215:A:VAL:HA	10	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:176:A:VAL:HG22	1:215:A:VAL:HA	10	0.71
(1,40)	1:176:A:VAL:HG23	1:215:A:VAL:HA	10	0.71
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	13	0.7
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	13	0.7
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	4	0.7
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	4	0.7
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	4	0.7
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	4	0.7
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	4	0.7
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	4	0.7
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	11	0.7
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	11	0.7
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	11	0.7
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	11	0.7
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	11	0.7
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	11	0.7
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	9	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	6	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	6	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	6	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	11	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	11	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	11	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	14	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	14	0.7
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	14	0.7
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	8	0.7
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	8	0.7
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	8	0.7
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	5	0.7
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	5	0.7
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	5	0.7
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	12	0.7
(1,3893)	1:141:A:PHE:HE1	1:205:A:MET:HG3	9	0.7
(1,3893)	1:141:A:PHE:HE2	1:205:A:MET:HG3	9	0.7
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	12	0.7
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	16	0.7
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	16	0.7
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	16	0.7
(1,3617)	1:170:A:SER:HA	1:174:A:ASN:HD22	20	0.7
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	17	0.7
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE1	1	0.7
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE2	1	0.7
(1,3433)	1:129:A:MET:HB2	1:129:A:MET:HE3	1	0.7
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	13	0.7
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	13	0.7
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	13	0.7
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	1	0.7
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	1	0.7
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	1	0.7
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	8	0.7
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	6	0.7
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	6	0.7
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	6	0.7
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	20	0.7
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	20	0.7
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	20	0.7
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	10	0.7
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	10	0.7
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	10	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	3	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	3	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	3	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	6	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	6	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	6	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	17	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	17	0.7
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	17	0.7
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	17	0.7
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	17	0.7
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	17	0.7
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	19	0.7
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	19	0.7
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	19	0.7
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	11	0.7
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	11	0.7
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	11	0.7
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	1	0.7
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	5	0.7
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	5	0.7
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	5	0.7
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	6	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	6	0.7
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	6	0.7
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	4	0.7
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	4	0.7
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	4	0.7
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	19	0.7
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	19	0.7
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	19	0.7
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	20	0.7
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	13	0.7
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	13	0.7
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	13	0.7
(1,2788)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	12	0.7
(1,2788)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	12	0.7
(1,2788)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	12	0.7
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	13	0.7
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	13	0.7
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	4	0.7
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	4	0.7
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	4	0.7
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	4	0.7
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	4	0.7
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	4	0.7
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	11	0.7
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	11	0.7
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	11	0.7
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	11	0.7
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	11	0.7
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	11	0.7
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	9	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	6	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	6	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	6	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	11	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	11	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	11	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	14	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	14	0.7
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	14	0.7
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	8	0.7
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	8	0.7
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	8	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	5	0.7
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	5	0.7
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	5	0.7
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	12	0.7
(1,1147)	1:141:A:PHE:HE1	1:205:A:MET:HG3	9	0.7
(1,1147)	1:141:A:PHE:HE2	1:205:A:MET:HG3	9	0.7
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	12	0.7
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	16	0.7
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	16	0.7
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	16	0.7
(1,871)	1:170:A:SER:HA	1:174:A:ASN:HD22	20	0.7
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	17	0.7
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	17	0.7
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE1	1	0.7
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE2	1	0.7
(1,687)	1:129:A:MET:HB2	1:129:A:MET:HE3	1	0.7
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	13	0.7
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	13	0.7
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	13	0.7
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	1	0.7
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	1	0.7
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	1	0.7
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	8	0.7
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	6	0.7
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	6	0.7
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	6	0.7
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	20	0.7
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	20	0.7
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	20	0.7
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	10	0.7
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	10	0.7
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	10	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	3	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	3	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	3	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	6	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	6	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	6	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	17	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	17	0.7
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	17	0.7
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	17	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	17	0.7
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	17	0.7
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	19	0.7
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	19	0.7
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	19	0.7
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	11	0.7
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	11	0.7
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	11	0.7
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	1	0.7
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	5	0.7
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	5	0.7
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	5	0.7
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	6	0.7
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	6	0.7
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	6	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	4	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	4	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	4	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	19	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	19	0.7
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	19	0.7
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	20	0.7
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	13	0.7
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	13	0.7
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	13	0.7
(1,42)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	12	0.7
(1,42)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	12	0.7
(1,42)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	12	0.7
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	3	0.69
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	14	0.69
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	14	0.69
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	7	0.69
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	7	0.69
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	16	0.69
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	4	0.69
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG11	2	0.69
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG12	2	0.69
(1,4453)	1:162:A:TYR:H	1:210:A:VAL:HG13	2	0.69
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	15	0.69
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	16	0.69
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	11	0.69
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	1	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	1	0.69
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	1	0.69
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	20	0.69
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	10	0.69
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	16	0.69
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	7	0.69
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	7	0.69
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	7	0.69
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	7	0.69
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	7	0.69
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	7	0.69
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	7	0.69
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	7	0.69
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	7	0.69
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	14	0.69
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	14	0.69
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	15	0.69
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	15	0.69
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	15	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	5	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	5	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	5	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	11	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	11	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	11	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	15	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	15	0.69
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	15	0.69
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	10	0.69
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	10	0.69
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	10	0.69
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	1	0.69
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	1	0.69
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	1	0.69
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	20	0.69
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	20	0.69
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	20	0.69
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	12	0.69
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	12	0.69
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	12	0.69
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	19	0.69
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	19	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	19	0.69
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	11	0.69
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	11	0.69
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	11	0.69
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	14	0.69
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	14	0.69
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	14	0.69
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	11	0.69
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	11	0.69
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	11	0.69
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	11	0.69
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	11	0.69
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	11	0.69
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	11	0.69
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	11	0.69
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	11	0.69
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	7	0.69
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	7	0.69
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	7	0.69
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	11	0.69
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	11	0.69
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	11	0.69
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	3	0.69
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	14	0.69
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	14	0.69
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	7	0.69
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	7	0.69
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	16	0.69
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	4	0.69
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG11	2	0.69
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG12	2	0.69
(1,1707)	1:162:A:TYR:H	1:210:A:VAL:HG13	2	0.69
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	15	0.69
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	16	0.69
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	11	0.69
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	1	0.69
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	1	0.69
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	1	0.69
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	20	0.69
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	10	0.69
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	16	0.69
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	7	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	7	0.69
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	7	0.69
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	7	0.69
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	7	0.69
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	7	0.69
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	7	0.69
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	7	0.69
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	7	0.69
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	14	0.69
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	14	0.69
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	15	0.69
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	15	0.69
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	15	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	5	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	5	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	5	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	11	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	11	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	11	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	15	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	15	0.69
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	15	0.69
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	10	0.69
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	10	0.69
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	10	0.69
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	1	0.69
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	1	0.69
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	1	0.69
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	20	0.69
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	20	0.69
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	20	0.69
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	12	0.69
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	12	0.69
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	12	0.69
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	19	0.69
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	19	0.69
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	19	0.69
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	11	0.69
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	11	0.69
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	11	0.69
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	14	0.69
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	14	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	14	0.69
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	11	0.69
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	11	0.69
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	11	0.69
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	11	0.69
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	11	0.69
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	11	0.69
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	11	0.69
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	11	0.69
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	11	0.69
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	7	0.69
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	7	0.69
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	7	0.69
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	11	0.69
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	11	0.69
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	11	0.69
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	6	0.68
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	6	0.68
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	2	0.68
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	2	0.68
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	2	0.68
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	2	0.68
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	2	0.68
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	2	0.68
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	19	0.68
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	19	0.68
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	19	0.68
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	19	0.68
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	19	0.68
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	19	0.68
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	10	0.68
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	10	0.68
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	10	0.68
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	10	0.68
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	10	0.68
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	10	0.68
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	19	0.68
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	19	0.68
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	19	0.68
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	19	0.68
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	19	0.68
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	1	0.68
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	1	0.68
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	11	0.68
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	2	0.68
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	1	0.68
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	15	0.68
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	20	0.68
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	20	0.68
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	20	0.68
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	20	0.68
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	20	0.68
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	20	0.68
(1,4106)	1:138:A:MET:HA	1:139:A:ILE:HG12	15	0.68
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	9	0.68
(1,3989)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	1	0.68
(1,3989)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	1	0.68
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	8	0.68
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	6	0.68
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	6	0.68
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	6	0.68
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	12	0.68
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	15	0.68
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	15	0.68
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	15	0.68
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	15	0.68
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	10	0.68
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	10	0.68
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	10	0.68
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	20	0.68
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	20	0.68
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	20	0.68
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	2	0.68
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	2	0.68
(1,3499)	1:138:A:MET:HE1	1:151:A:ARG:HG3	5	0.68
(1,3499)	1:138:A:MET:HE2	1:151:A:ARG:HG3	5	0.68
(1,3499)	1:138:A:MET:HE3	1:151:A:ARG:HG3	5	0.68
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	16	0.68
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	2	0.68
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	2	0.68
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	2	0.68
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	16	0.68
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	16	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	16	0.68
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	2	0.68
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	2	0.68
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	2	0.68
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	12	0.68
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	12	0.68
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	12	0.68
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	4	0.68
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	4	0.68
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	4	0.68
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	4	0.68
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	4	0.68
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	4	0.68
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	13	0.68
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	13	0.68
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	13	0.68
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	1	0.68
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	4	0.68
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	16	0.68
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	16	0.68
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	16	0.68
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	16	0.68
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	15	0.68
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	15	0.68
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	15	0.68
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	2	0.68
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	2	0.68
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	2	0.68
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	13	0.68
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	13	0.68
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	13	0.68
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	6	0.68
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	6	0.68
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	2	0.68
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	2	0.68
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	2	0.68
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	2	0.68
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	2	0.68
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	2	0.68
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	19	0.68
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	19	0.68
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	19	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	19	0.68
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	19	0.68
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	19	0.68
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	10	0.68
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	10	0.68
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	10	0.68
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	10	0.68
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	10	0.68
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	10	0.68
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	19	0.68
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	19	0.68
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	19	0.68
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	19	0.68
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	19	0.68
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	19	0.68
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	1	0.68
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	1	0.68
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	11	0.68
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	2	0.68
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	1	0.68
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	15	0.68
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	20	0.68
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	20	0.68
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	20	0.68
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	20	0.68
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	20	0.68
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	20	0.68
(1,1360)	1:138:A:MET:HA	1:139:A:ILE:HG12	15	0.68
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	9	0.68
(1,1243)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	1	0.68
(1,1243)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	1	0.68
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	8	0.68
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	6	0.68
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	6	0.68
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	6	0.68
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	12	0.68
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	15	0.68
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	15	0.68
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	15	0.68
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	15	0.68
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	10	0.68
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	10	0.68
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	20	0.68
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	20	0.68
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	20	0.68
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	2	0.68
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	2	0.68
(1,753)	1:138:A:MET:HE1	1:151:A:ARG:HG3	5	0.68
(1,753)	1:138:A:MET:HE2	1:151:A:ARG:HG3	5	0.68
(1,753)	1:138:A:MET:HE3	1:151:A:ARG:HG3	5	0.68
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	16	0.68
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	2	0.68
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	2	0.68
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	2	0.68
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	16	0.68
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	16	0.68
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	16	0.68
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	2	0.68
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	2	0.68
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	2	0.68
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	12	0.68
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	12	0.68
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	12	0.68
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	4	0.68
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	4	0.68
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	4	0.68
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	4	0.68
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	4	0.68
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	4	0.68
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	13	0.68
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	13	0.68
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	13	0.68
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	1	0.68
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	4	0.68
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	16	0.68
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	16	0.68
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	16	0.68
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	16	0.68
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	15	0.68
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	15	0.68
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	15	0.68
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	2	0.68
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	2	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	2	0.68
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	13	0.68
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	13	0.68
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	13	0.68
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	9	0.67
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	20	0.67
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	11	0.67
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	11	0.67
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	2	0.67
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	2	0.67
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	2	0.67
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	2	0.67
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	2	0.67
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	2	0.67
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	11	0.67
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	11	0.67
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	8	0.67
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	7	0.67
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	7	0.67
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	7	0.67
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	1	0.67
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	11	0.67
(1,3617)	1:170:A:SER:HA	1:174:A:ASN:HD22	8	0.67
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	2	0.67
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	2	0.67
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	2	0.67
(1,3344)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	8	0.67
(1,3344)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	8	0.67
(1,3344)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	8	0.67
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	8	0.67
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	8	0.67
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	8	0.67
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	17	0.67
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	2	0.67
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	2	0.67
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	2	0.67
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	4	0.67
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	4	0.67
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	4	0.67
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	10	0.67
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	10	0.67
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	10	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	6	0.67
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	6	0.67
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	6	0.67
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	5	0.67
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	5	0.67
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	5	0.67
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	1	0.67
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	1	0.67
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	1	0.67
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	1	0.67
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	1	0.67
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	1	0.67
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	1	0.67
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	1	0.67
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	1	0.67
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	7	0.67
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	7	0.67
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	7	0.67
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	4	0.67
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	4	0.67
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	4	0.67
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	16	0.67
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	16	0.67
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	16	0.67
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	14	0.67
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	14	0.67
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	14	0.67
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	18	0.67
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	18	0.67
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	18	0.67
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	5	0.67
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	5	0.67
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	5	0.67
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	5	0.67
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	5	0.67
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	5	0.67
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	15	0.67
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	15	0.67
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	15	0.67
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	15	0.67
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	15	0.67
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	15	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	9	0.67
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	20	0.67
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	11	0.67
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	11	0.67
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	2	0.67
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	2	0.67
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	2	0.67
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	2	0.67
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	2	0.67
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	2	0.67
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	11	0.67
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	11	0.67
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	8	0.67
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	7	0.67
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	7	0.67
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	7	0.67
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	1	0.67
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	11	0.67
(1,871)	1:170:A:SER:HA	1:174:A:ASN:HD22	8	0.67
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	2	0.67
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	2	0.67
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	2	0.67
(1,598)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	8	0.67
(1,598)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	8	0.67
(1,598)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	8	0.67
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	8	0.67
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	8	0.67
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	8	0.67
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	17	0.67
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	2	0.67
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	2	0.67
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	2	0.67
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	4	0.67
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	4	0.67
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	4	0.67
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	10	0.67
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	10	0.67
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	10	0.67
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	6	0.67
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	6	0.67
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	6	0.67
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	5	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	5	0.67
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	5	0.67
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	1	0.67
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	1	0.67
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	1	0.67
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	1	0.67
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	1	0.67
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	1	0.67
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	1	0.67
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	1	0.67
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	1	0.67
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	7	0.67
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	7	0.67
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	7	0.67
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	4	0.67
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	4	0.67
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	4	0.67
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	16	0.67
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	16	0.67
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	16	0.67
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	14	0.67
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	14	0.67
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	14	0.67
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	18	0.67
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	18	0.67
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	18	0.67
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	5	0.67
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	5	0.67
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	5	0.67
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	5	0.67
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	5	0.67
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	5	0.67
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	15	0.67
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	15	0.67
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	15	0.67
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	15	0.67
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	15	0.67
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	15	0.67
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	18	0.66
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	18	0.66
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	12	0.66
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	12	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	3	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	3	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	3	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	3	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	3	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	3	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	4	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	4	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	4	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	4	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	4	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	4	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	17	0.66
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	17	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	17	0.66
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	17	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	17	0.66
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	17	0.66
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	5	0.66
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	16	0.66
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	16	0.66
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	16	0.66
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	10	0.66
(1,4067)	1:138:A:MET:HG3	1:139:A:ILE:H	1	0.66
(1,4067)	1:138:A:MET:HG3	1:139:A:ILE:H	3	0.66
(1,4067)	1:138:A:MET:HG3	1:139:A:ILE:H	6	0.66
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	13	0.66
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	12	0.66
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	9	0.66
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	9	0.66
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	9	0.66
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	9	0.66
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	3	0.66
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	3	0.66
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	3	0.66
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	7	0.66
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	7	0.66
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	7	0.66
(1,3110)	1:209:A:VAL:HG21	1:210:A:VAL:H	8	0.66
(1,3110)	1:209:A:VAL:HG22	1:210:A:VAL:H	8	0.66
(1,3110)	1:209:A:VAL:HG23	1:210:A:VAL:H	8	0.66
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	17	0.66
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	17	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	5	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	5	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	5	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	8	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	8	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	8	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	19	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	19	0.66
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	19	0.66
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	7	0.66
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	7	0.66
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	7	0.66
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	20	0.66
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	20	0.66
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	20	0.66
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	18	0.66
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	18	0.66
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	12	0.66
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	12	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	3	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	3	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	3	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	3	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	3	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	3	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	4	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	4	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	4	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	4	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	4	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	4	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	17	0.66
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	17	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	17	0.66
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	17	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	17	0.66
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	17	0.66
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	5	0.66
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	16	0.66
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	16	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	16	0.66
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	10	0.66
(1,1321)	1:138:A:MET:HG3	1:139:A:ILE:H	1	0.66
(1,1321)	1:138:A:MET:HG3	1:139:A:ILE:H	3	0.66
(1,1321)	1:138:A:MET:HG3	1:139:A:ILE:H	6	0.66
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	13	0.66
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	12	0.66
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	9	0.66
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	9	0.66
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	9	0.66
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	9	0.66
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	3	0.66
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	3	0.66
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	3	0.66
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	7	0.66
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	7	0.66
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	7	0.66
(1,364)	1:209:A:VAL:HG21	1:210:A:VAL:H	8	0.66
(1,364)	1:209:A:VAL:HG22	1:210:A:VAL:H	8	0.66
(1,364)	1:209:A:VAL:HG23	1:210:A:VAL:H	8	0.66
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	17	0.66
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	17	0.66
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	17	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	5	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	5	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	5	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	8	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	8	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	8	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	19	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	19	0.66
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	19	0.66
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	7	0.66
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	7	0.66
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	7	0.66
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	20	0.66
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	20	0.66
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	20	0.66
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	2	0.65
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	2	0.65
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	12	0.65
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	12	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	10	0.65
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	10	0.65
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	10	0.65
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	10	0.65
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	10	0.65
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	10	0.65
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	9	0.65
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	9	0.65
(1,5130)	1:161:A:VAL:HG21	1:163:A:TYR:H	14	0.65
(1,5130)	1:161:A:VAL:HG22	1:163:A:TYR:H	14	0.65
(1,5130)	1:161:A:VAL:HG23	1:163:A:TYR:H	14	0.65
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	16	0.65
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	10	0.65
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	2	0.65
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	6	0.65
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	1	0.65
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	13	0.65
(1,3344)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	9	0.65
(1,3344)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	9	0.65
(1,3344)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	9	0.65
(1,3202)	1:208:A:ARG:HD3	1:209:A:VAL:H	19	0.65
(1,3180)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	10	0.65
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	19	0.65
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	19	0.65
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	19	0.65
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	11	0.65
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	11	0.65
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	11	0.65
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	3	0.65
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	3	0.65
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	3	0.65
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	2	0.65
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	2	0.65
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	2	0.65
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	16	0.65
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	16	0.65
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	16	0.65
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	1	0.65
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	1	0.65
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	1	0.65
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	15	0.65
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	15	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	15	0.65
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG11	10	0.65
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG12	10	0.65
(1,2921)	1:203:A:VAL:H	1:203:A:VAL:HG13	10	0.65
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	9	0.65
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	9	0.65
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	9	0.65
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	2	0.65
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	2	0.65
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	2	0.65
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	6	0.65
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	6	0.65
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	6	0.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	18	0.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	18	0.65
(1,2829)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	18	0.65
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	6	0.65
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	6	0.65
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	6	0.65
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	6	0.65
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	6	0.65
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	6	0.65
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	15	0.65
(1,2796)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	15	0.65
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	15	0.65
(1,2796)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	15	0.65
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	15	0.65
(1,2796)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	15	0.65
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	2	0.65
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	2	0.65
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	12	0.65
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	12	0.65
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	10	0.65
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	10	0.65
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	10	0.65
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	10	0.65
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	10	0.65
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	10	0.65
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	9	0.65
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	9	0.65
(1,2384)	1:161:A:VAL:HG21	1:163:A:TYR:H	14	0.65
(1,2384)	1:161:A:VAL:HG22	1:163:A:TYR:H	14	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:161:A:VAL:HG23	1:163:A:TYR:H	14	0.65
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	16	0.65
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	10	0.65
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	2	0.65
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	6	0.65
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	1	0.65
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	13	0.65
(1,598)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	9	0.65
(1,598)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	9	0.65
(1,598)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	9	0.65
(1,456)	1:208:A:ARG:HD3	1:209:A:VAL:H	19	0.65
(1,434)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	10	0.65
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	19	0.65
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	19	0.65
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	19	0.65
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	11	0.65
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	11	0.65
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	11	0.65
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	3	0.65
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	3	0.65
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	3	0.65
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	2	0.65
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	2	0.65
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	2	0.65
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	16	0.65
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	16	0.65
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	16	0.65
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	1	0.65
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	1	0.65
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	1	0.65
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	15	0.65
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	15	0.65
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	15	0.65
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG11	10	0.65
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG12	10	0.65
(1,175)	1:203:A:VAL:H	1:203:A:VAL:HG13	10	0.65
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	9	0.65
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	9	0.65
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	9	0.65
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	2	0.65
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	2	0.65
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	2	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	6	0.65
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	6	0.65
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	6	0.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	18	0.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	18	0.65
(1,83)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	18	0.65
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	6	0.65
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	6	0.65
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	6	0.65
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	6	0.65
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	6	0.65
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	6	0.65
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG12	15	0.65
(1,50)	1:125:A:LEU:HD11	1:182:A:ILE:HG13	15	0.65
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG12	15	0.65
(1,50)	1:125:A:LEU:HD12	1:182:A:ILE:HG13	15	0.65
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG12	15	0.65
(1,50)	1:125:A:LEU:HD13	1:182:A:ILE:HG13	15	0.65
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	2	0.64
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	2	0.64
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	2	0.64
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	2	0.64
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	2	0.64
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	2	0.64
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	14	0.64
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	14	0.64
(1,5438)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	14	0.64
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	14	0.64
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	14	0.64
(1,5438)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	14	0.64
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	5	0.64
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	5	0.64
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	14	0.64
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	14	0.64
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	19	0.64
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	19	0.64
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	14	0.64
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	14	0.64
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	14	0.64
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	8	0.64
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	15	0.64
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	15	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	15	0.64
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	4	0.64
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	4	0.64
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	4	0.64
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	12	0.64
(1,3617)	1:170:A:SER:HA	1:174:A:ASN:HD22	7	0.64
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	15	0.64
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	19	0.64
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB1	3	0.64
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB2	3	0.64
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB3	3	0.64
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	12	0.64
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	12	0.64
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	12	0.64
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	17	0.64
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	17	0.64
(1,3104)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	17	0.64
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	17	0.64
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	17	0.64
(1,3104)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	17	0.64
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	17	0.64
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	17	0.64
(1,3104)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	17	0.64
(1,2950)	1:216:A:THR:HG21	1:217:A:GLN:HG2	13	0.64
(1,2950)	1:216:A:THR:HG22	1:217:A:GLN:HG2	13	0.64
(1,2950)	1:216:A:THR:HG23	1:217:A:GLN:HG2	13	0.64
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG11	17	0.64
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG12	17	0.64
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG13	17	0.64
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG11	17	0.64
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG12	17	0.64
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG13	17	0.64
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG11	17	0.64
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG12	17	0.64
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG13	17	0.64
(1,2874)	1:161:A:VAL:HG11	1:213:A:MET:H	14	0.64
(1,2874)	1:161:A:VAL:HG12	1:213:A:MET:H	14	0.64
(1,2874)	1:161:A:VAL:HG13	1:213:A:MET:H	14	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	1	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	1	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	1	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	16	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	16	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	16	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	18	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	18	0.64
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	18	0.64
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	1	0.64
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	1	0.64
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	1	0.64
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	12	0.64
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	12	0.64
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	12	0.64
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	6	0.64
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	6	0.64
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	6	0.64
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	2	0.64
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	2	0.64
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	2	0.64
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	2	0.64
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	2	0.64
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	2	0.64
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	14	0.64
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	14	0.64
(1,2692)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	14	0.64
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	14	0.64
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	14	0.64
(1,2692)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	14	0.64
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	5	0.64
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	5	0.64
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	14	0.64
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	14	0.64
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	19	0.64
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	19	0.64
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	14	0.64
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	14	0.64
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	14	0.64
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	8	0.64
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	15	0.64
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	15	0.64
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	15	0.64
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	4	0.64
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	4	0.64
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	4	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	12	0.64
(1,871)	1:170:A:SER:HA	1:174:A:ASN:HD22	7	0.64
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	15	0.64
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	19	0.64
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB1	3	0.64
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB2	3	0.64
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB3	3	0.64
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	12	0.64
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	12	0.64
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	12	0.64
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG21	17	0.64
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG22	17	0.64
(1,358)	1:184:A:ILE:HD11	1:203:A:VAL:HG23	17	0.64
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG21	17	0.64
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG22	17	0.64
(1,358)	1:184:A:ILE:HD12	1:203:A:VAL:HG23	17	0.64
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG21	17	0.64
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG22	17	0.64
(1,358)	1:184:A:ILE:HD13	1:203:A:VAL:HG23	17	0.64
(1,204)	1:216:A:THR:HG21	1:217:A:GLN:HG2	13	0.64
(1,204)	1:216:A:THR:HG22	1:217:A:GLN:HG2	13	0.64
(1,204)	1:216:A:THR:HG23	1:217:A:GLN:HG2	13	0.64
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG11	17	0.64
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG12	17	0.64
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG13	17	0.64
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG11	17	0.64
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG12	17	0.64
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG13	17	0.64
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG11	17	0.64
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG12	17	0.64
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG13	17	0.64
(1,128)	1:161:A:VAL:HG11	1:213:A:MET:H	14	0.64
(1,128)	1:161:A:VAL:HG12	1:213:A:MET:H	14	0.64
(1,128)	1:161:A:VAL:HG13	1:213:A:MET:H	14	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	1	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	1	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	1	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	16	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	16	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	16	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	18	0.64
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	18	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	18	0.64
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	1	0.64
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	1	0.64
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	1	0.64
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	12	0.64
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	12	0.64
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	12	0.64
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	6	0.64
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	6	0.64
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	6	0.64
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	11	0.63
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	10	0.63
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	9	0.63
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	13	0.63
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	13	0.63
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	13	0.63
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	18	0.63
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	18	0.63
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	18	0.63
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	14	0.63
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	16	0.63
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	4	0.63
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	4	0.63
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	4	0.63
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	4	0.63
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	4	0.63
(1,3499)	1:138:A:MET:HE1	1:151:A:ARG:HG3	17	0.63
(1,3499)	1:138:A:MET:HE2	1:151:A:ARG:HG3	17	0.63
(1,3499)	1:138:A:MET:HE3	1:151:A:ARG:HG3	17	0.63
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	16	0.63
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	4	0.63
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	6	0.63
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	6	0.63
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	6	0.63
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	5	0.63
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	3	0.63
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	3	0.63
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	3	0.63
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	3	0.63
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	3	0.63
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	3	0.63
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	3	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	3	0.63
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	3	0.63
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	1	0.63
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	1	0.63
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	1	0.63
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	5	0.63
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	5	0.63
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	5	0.63
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	10	0.63
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	10	0.63
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	10	0.63
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	20	0.63
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	20	0.63
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	20	0.63
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	14	0.63
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	14	0.63
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	14	0.63
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	5	0.63
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	5	0.63
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	5	0.63
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	5	0.63
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	5	0.63
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	5	0.63
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	11	0.63
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	10	0.63
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	9	0.63
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	13	0.63
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	13	0.63
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	13	0.63
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	18	0.63
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	18	0.63
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	18	0.63
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	14	0.63
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	16	0.63
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	4	0.63
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	4	0.63
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	4	0.63
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	4	0.63
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	4	0.63
(1,753)	1:138:A:MET:HE1	1:151:A:ARG:HG3	17	0.63
(1,753)	1:138:A:MET:HE2	1:151:A:ARG:HG3	17	0.63
(1,753)	1:138:A:MET:HE3	1:151:A:ARG:HG3	17	0.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	16	0.63
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	4	0.63
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	6	0.63
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	6	0.63
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	6	0.63
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	5	0.63
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	3	0.63
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	3	0.63
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	3	0.63
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	3	0.63
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	3	0.63
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	3	0.63
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	3	0.63
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	3	0.63
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	3	0.63
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	1	0.63
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	1	0.63
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	1	0.63
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	5	0.63
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	5	0.63
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	5	0.63
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	10	0.63
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	10	0.63
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	10	0.63
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	20	0.63
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	20	0.63
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	20	0.63
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	14	0.63
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	14	0.63
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	14	0.63
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	5	0.63
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	5	0.63
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	5	0.63
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	5	0.63
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	5	0.63
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	5	0.63
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	6	0.62
(1,5257)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	6	0.62
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	6	0.62
(1,5257)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	6	0.62
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	6	0.62
(1,5257)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	6	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	15	0.62
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	15	0.62
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	2	0.62
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	2	0.62
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	2	0.62
(1,4583)	1:176:A:VAL:HG21	1:218:A:TYR:H	16	0.62
(1,4583)	1:176:A:VAL:HG22	1:218:A:TYR:H	16	0.62
(1,4583)	1:176:A:VAL:HG23	1:218:A:TYR:H	16	0.62
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	20	0.62
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	15	0.62
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	3	0.62
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	3	0.62
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	3	0.62
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	2	0.62
(1,3617)	1:170:A:SER:HA	1:174:A:ASN:HD22	10	0.62
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	14	0.62
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	14	0.62
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	14	0.62
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	12	0.62
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	19	0.62
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG21	9	0.62
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG22	9	0.62
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG23	9	0.62
(1,3204)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	11	0.62
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	10	0.62
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	10	0.62
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	10	0.62
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	2	0.62
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	2	0.62
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	2	0.62
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	12	0.62
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	12	0.62
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	12	0.62
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	13	0.62
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	13	0.62
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	13	0.62
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	3	0.62
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	3	0.62
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	3	0.62
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	8	0.62
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	13	0.62
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	13	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	13	0.62
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	16	0.62
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	16	0.62
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	16	0.62
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	2	0.62
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	2	0.62
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	2	0.62
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	2	0.62
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	2	0.62
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	2	0.62
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	6	0.62
(1,2511)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	6	0.62
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	6	0.62
(1,2511)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	6	0.62
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	6	0.62
(1,2511)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	6	0.62
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	15	0.62
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	15	0.62
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	2	0.62
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	2	0.62
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	2	0.62
(1,1837)	1:176:A:VAL:HG21	1:218:A:TYR:H	16	0.62
(1,1837)	1:176:A:VAL:HG22	1:218:A:TYR:H	16	0.62
(1,1837)	1:176:A:VAL:HG23	1:218:A:TYR:H	16	0.62
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	20	0.62
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	15	0.62
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	3	0.62
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	3	0.62
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	3	0.62
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	2	0.62
(1,871)	1:170:A:SER:HA	1:174:A:ASN:HD22	10	0.62
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	14	0.62
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	14	0.62
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	14	0.62
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	12	0.62
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	19	0.62
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG21	9	0.62
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG22	9	0.62
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG23	9	0.62
(1,458)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	11	0.62
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	10	0.62
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	10	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	10	0.62
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	2	0.62
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	2	0.62
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	2	0.62
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	12	0.62
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	12	0.62
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	12	0.62
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	13	0.62
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	13	0.62
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	13	0.62
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	3	0.62
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	3	0.62
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	3	0.62
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	8	0.62
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	13	0.62
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	13	0.62
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	13	0.62
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	16	0.62
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	16	0.62
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	16	0.62
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	2	0.62
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	2	0.62
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	2	0.62
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	2	0.62
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	2	0.62
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	2	0.62
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	6	0.61
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	6	0.61
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	1	0.61
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	1	0.61
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	1	0.61
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	1	0.61
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	1	0.61
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	1	0.61
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	11	0.61
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	11	0.61
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	11	0.61
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	11	0.61
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	11	0.61
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	11	0.61
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	19	0.61
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	19	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	19	0.61
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	1	0.61
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	17	0.61
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	10	0.61
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	10	0.61
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	10	0.61
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	16	0.61
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	16	0.61
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	16	0.61
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	4	0.61
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	17	0.61
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	17	0.61
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	17	0.61
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	17	0.61
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	17	0.61
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	17	0.61
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	17	0.61
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	17	0.61
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	17	0.61
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG21	14	0.61
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG22	14	0.61
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG23	14	0.61
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	9	0.61
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	9	0.61
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	9	0.61
(1,3199)	1:208:A:ARG:HA	1:208:A:ARG:HD2	11	0.61
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	14	0.61
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	4	0.61
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	4	0.61
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	4	0.61
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	1	0.61
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	1	0.61
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	1	0.61
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	1	0.61
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	1	0.61
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	1	0.61
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	1	0.61
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	1	0.61
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	1	0.61
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	13	0.61
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	13	0.61
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	13	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	12	0.61
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	12	0.61
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	12	0.61
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	12	0.61
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	12	0.61
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	12	0.61
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	12	0.61
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	12	0.61
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	12	0.61
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	3	0.61
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	7	0.61
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	14	0.61
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	14	0.61
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	14	0.61
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	8	0.61
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	8	0.61
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	8	0.61
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG11	3	0.61
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG12	3	0.61
(1,2849)	1:212:A:GLN:H	1:215:A:VAL:HG13	3	0.61
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	4	0.61
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	4	0.61
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	4	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	4	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	4	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	4	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	9	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	9	0.61
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	9	0.61
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	3	0.61
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	3	0.61
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	3	0.61
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	3	0.61
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	3	0.61
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	3	0.61
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	3	0.61
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	3	0.61
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	3	0.61
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	7	0.61
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	7	0.61
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	7	0.61
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	6	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	6	0.61
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	1	0.61
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	1	0.61
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	1	0.61
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	1	0.61
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	1	0.61
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	1	0.61
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	11	0.61
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	11	0.61
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	11	0.61
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	11	0.61
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	11	0.61
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	11	0.61
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	19	0.61
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	19	0.61
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	19	0.61
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	1	0.61
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	17	0.61
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	10	0.61
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	10	0.61
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	10	0.61
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	16	0.61
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	16	0.61
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	16	0.61
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	4	0.61
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	17	0.61
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	17	0.61
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	17	0.61
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	17	0.61
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	17	0.61
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	17	0.61
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	17	0.61
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	17	0.61
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	17	0.61
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG21	14	0.61
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG22	14	0.61
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG23	14	0.61
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	9	0.61
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	9	0.61
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	9	0.61
(1,453)	1:208:A:ARG:HA	1:208:A:ARG:HD2	11	0.61
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	14	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	4	0.61
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	4	0.61
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	4	0.61
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	1	0.61
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	1	0.61
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	1	0.61
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	1	0.61
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	1	0.61
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	1	0.61
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	1	0.61
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	1	0.61
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	1	0.61
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	13	0.61
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	13	0.61
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	13	0.61
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	12	0.61
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	12	0.61
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	12	0.61
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	12	0.61
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	12	0.61
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	12	0.61
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	12	0.61
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	12	0.61
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	12	0.61
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	3	0.61
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	7	0.61
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	14	0.61
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	14	0.61
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	14	0.61
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	8	0.61
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	8	0.61
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	8	0.61
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG11	3	0.61
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG12	3	0.61
(1,103)	1:212:A:GLN:H	1:215:A:VAL:HG13	3	0.61
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	4	0.61
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	4	0.61
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	4	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	4	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	4	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	4	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	9	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	9	0.61
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	9	0.61
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	3	0.61
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	3	0.61
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	3	0.61
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	3	0.61
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	3	0.61
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	3	0.61
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	3	0.61
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	3	0.61
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	3	0.61
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	7	0.61
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	7	0.61
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	7	0.61
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	3	0.6
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	3	0.6
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	4	0.6
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	4	0.6
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	4	0.6
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	4	0.6
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	4	0.6
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	4	0.6
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	1	0.6
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	1	0.6
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	5	0.6
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	5	0.6
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	14	0.6
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	14	0.6
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	13	0.6
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	13	0.6
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	18	0.6
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	18	0.6
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	18	0.6
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	20	0.6
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	18	0.6
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	18	0.6
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	18	0.6
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	6	0.6
(1,3599)	1:166:A:VAL:HG11	1:225:A:TYR:HA	9	0.6
(1,3599)	1:166:A:VAL:HG12	1:225:A:TYR:HA	9	0.6
(1,3599)	1:166:A:VAL:HG13	1:225:A:TYR:HA	9	0.6
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	1	0.6
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	9	0.6
(1,3202)	1:208:A:ARG:HD3	1:209:A:VAL:H	14	0.6
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	13	0.6
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	13	0.6
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	13	0.6
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	13	0.6
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	13	0.6
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	13	0.6
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	13	0.6
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	13	0.6
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	13	0.6
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	19	0.6
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	19	0.6
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	19	0.6
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	19	0.6
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	19	0.6
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	19	0.6
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	19	0.6
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	19	0.6
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	19	0.6
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	11	0.6
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	11	0.6
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	11	0.6
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	15	0.6
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	15	0.6
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	15	0.6
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	18	0.6
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	18	0.6
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	18	0.6
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	1	0.6
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	2	0.6
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	17	0.6
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	13	0.6
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	13	0.6
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	13	0.6
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	7	0.6
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	7	0.6
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	7	0.6
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	17	0.6
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	17	0.6
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	17	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	3	0.6
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	3	0.6
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	4	0.6
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	4	0.6
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	4	0.6
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	4	0.6
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	4	0.6
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	4	0.6
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	1	0.6
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	1	0.6
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	5	0.6
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	5	0.6
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	14	0.6
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	14	0.6
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	13	0.6
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	13	0.6
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	18	0.6
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	18	0.6
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	18	0.6
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	20	0.6
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	18	0.6
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	18	0.6
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	18	0.6
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	6	0.6
(1,853)	1:166:A:VAL:HG11	1:225:A:TYR:HA	9	0.6
(1,853)	1:166:A:VAL:HG12	1:225:A:TYR:HA	9	0.6
(1,853)	1:166:A:VAL:HG13	1:225:A:TYR:HA	9	0.6
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	19	0.6
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	1	0.6
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	9	0.6
(1,456)	1:208:A:ARG:HD3	1:209:A:VAL:H	14	0.6
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	13	0.6
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	13	0.6
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	13	0.6
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	13	0.6
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	13	0.6
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	13	0.6
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	13	0.6
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	13	0.6
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	13	0.6
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	19	0.6
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	19	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	19	0.6
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	19	0.6
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	19	0.6
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	19	0.6
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	19	0.6
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	19	0.6
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	19	0.6
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	11	0.6
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	11	0.6
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	11	0.6
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	15	0.6
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	15	0.6
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	15	0.6
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	18	0.6
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	18	0.6
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	18	0.6
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	1	0.6
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	2	0.6
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	17	0.6
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	13	0.6
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	13	0.6
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	13	0.6
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	7	0.6
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	7	0.6
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	7	0.6
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	17	0.6
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	17	0.6
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	17	0.6
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	9	0.59
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	9	0.59
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	7	0.59
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	14	0.59
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	14	0.59
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	14	0.59
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	14	0.59
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	14	0.59
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	14	0.59
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	6	0.59
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	8	0.59
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	18	0.59
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	18	0.59
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	18	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4444)	1:134:A:MET:H	1:159:A:ASN:HB2	1	0.59
(1,4444)	1:134:A:MET:H	1:159:A:ASN:HB2	8	0.59
(1,4444)	1:134:A:MET:H	1:159:A:ASN:HB2	9	0.59
(1,4444)	1:134:A:MET:H	1:159:A:ASN:HB2	13	0.59
(1,4444)	1:134:A:MET:H	1:159:A:ASN:HB2	16	0.59
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	7	0.59
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	7	0.59
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	7	0.59
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	11	0.59
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	11	0.59
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	11	0.59
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	11	0.59
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	11	0.59
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	11	0.59
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	19	0.59
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	19	0.59
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	19	0.59
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	3	0.59
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	14	0.59
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	14	0.59
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	14	0.59
(1,3877)	1:161:A:VAL:HB	1:210:A:VAL:HG11	7	0.59
(1,3877)	1:161:A:VAL:HB	1:210:A:VAL:HG12	7	0.59
(1,3877)	1:161:A:VAL:HB	1:210:A:VAL:HG13	7	0.59
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	16	0.59
(1,3711)	1:154:A:MET:HA	1:157:A:TYR:HB3	6	0.59
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	13	0.59
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	3	0.59
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	3	0.59
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	3	0.59
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	15	0.59
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	15	0.59
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	15	0.59
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	13	0.59
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	11	0.59
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	1	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	9	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	9	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	9	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	9	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	9	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	9	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	9	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	9	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	9	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	17	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	17	0.59
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	17	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	17	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	17	0.59
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	17	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	17	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	17	0.59
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	17	0.59
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	13	0.59
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	13	0.59
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	13	0.59
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	1	0.59
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	1	0.59
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	1	0.59
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	14	0.59
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	14	0.59
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	14	0.59
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	18	0.59
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	18	0.59
(1,2925)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	18	0.59
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	18	0.59
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	18	0.59
(1,2925)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	18	0.59
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	4	0.59
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	4	0.59
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	4	0.59
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	19	0.59
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	19	0.59
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	19	0.59
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	6	0.59
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	6	0.59
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	6	0.59
(1,2786)	1:176:A:VAL:HG21	1:215:A:VAL:HA	16	0.59
(1,2786)	1:176:A:VAL:HG22	1:215:A:VAL:HA	16	0.59
(1,2786)	1:176:A:VAL:HG23	1:215:A:VAL:HA	16	0.59
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	9	0.59
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	9	0.59
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	7	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	14	0.59
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	14	0.59
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	14	0.59
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	14	0.59
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	14	0.59
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	14	0.59
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	6	0.59
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	8	0.59
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	18	0.59
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	18	0.59
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	18	0.59
(1,1698)	1:134:A:MET:H	1:159:A:ASN:HB2	1	0.59
(1,1698)	1:134:A:MET:H	1:159:A:ASN:HB2	8	0.59
(1,1698)	1:134:A:MET:H	1:159:A:ASN:HB2	9	0.59
(1,1698)	1:134:A:MET:H	1:159:A:ASN:HB2	13	0.59
(1,1698)	1:134:A:MET:H	1:159:A:ASN:HB2	16	0.59
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	7	0.59
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	7	0.59
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	7	0.59
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	11	0.59
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	11	0.59
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	11	0.59
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	11	0.59
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	11	0.59
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	11	0.59
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	19	0.59
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	19	0.59
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	19	0.59
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	3	0.59
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	14	0.59
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	14	0.59
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	14	0.59
(1,1131)	1:161:A:VAL:HB	1:210:A:VAL:HG11	7	0.59
(1,1131)	1:161:A:VAL:HB	1:210:A:VAL:HG12	7	0.59
(1,1131)	1:161:A:VAL:HB	1:210:A:VAL:HG13	7	0.59
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	16	0.59
(1,965)	1:154:A:MET:HA	1:157:A:TYR:HB3	6	0.59
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	13	0.59
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	3	0.59
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	3	0.59
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	3	0.59
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	15	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	15	0.59
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	15	0.59
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	13	0.59
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	11	0.59
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	1	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	9	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	9	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	9	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	9	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	9	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	9	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	9	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	9	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	9	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	17	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	17	0.59
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	17	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	17	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	17	0.59
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	17	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	17	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	17	0.59
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	17	0.59
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	13	0.59
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	13	0.59
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	13	0.59
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	1	0.59
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	1	0.59
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	1	0.59
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	14	0.59
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	14	0.59
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	14	0.59
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	18	0.59
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	18	0.59
(1,179)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	18	0.59
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	18	0.59
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	18	0.59
(1,179)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	18	0.59
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	4	0.59
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	4	0.59
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	4	0.59
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	19	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	19	0.59
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	19	0.59
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	6	0.59
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	6	0.59
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	6	0.59
(1,40)	1:176:A:VAL:HG21	1:215:A:VAL:HA	16	0.59
(1,40)	1:176:A:VAL:HG22	1:215:A:VAL:HA	16	0.59
(1,40)	1:176:A:VAL:HG23	1:215:A:VAL:HA	16	0.59
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	14	0.58
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	12	0.58
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	12	0.58
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	12	0.58
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	12	0.58
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	12	0.58
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	12	0.58
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	20	0.58
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	17	0.58
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	7	0.58
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	7	0.58
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	7	0.58
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	8	0.58
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	8	0.58
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	8	0.58
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	9	0.58
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	12	0.58
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	9	0.58
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	7	0.58
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	7	0.58
(1,4315)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	10	0.58
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	11	0.58
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	11	0.58
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	11	0.58
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	4	0.58
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	1	0.58
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	1	0.58
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	1	0.58
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	13	0.58
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	11	0.58
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	9	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	2	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	2	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	2	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	7	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	7	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	7	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	8	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	8	0.58
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	8	0.58
(1,3199)	1:208:A:ARG:HA	1:208:A:ARG:HD2	14	0.58
(1,3199)	1:208:A:ARG:HA	1:208:A:ARG:HD2	19	0.58
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	3	0.58
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	3	0.58
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	3	0.58
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	4	0.58
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	4	0.58
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	4	0.58
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	4	0.58
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	4	0.58
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	4	0.58
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	4	0.58
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	4	0.58
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	4	0.58
(1,3109)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	9	0.58
(1,3109)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	9	0.58
(1,3109)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	9	0.58
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	3	0.58
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	3	0.58
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	3	0.58
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	4	0.58
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	4	0.58
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	4	0.58
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	6	0.58
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	6	0.58
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	6	0.58
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	6	0.58
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	6	0.58
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	6	0.58
(1,2911)	1:166:A:VAL:HG23	1:225:A:TYR:HD1	4	0.58
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	19	0.58
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	19	0.58
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	19	0.58
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	9	0.58
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	9	0.58
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	9	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	5	0.58
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	5	0.58
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	5	0.58
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	14	0.58
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	12	0.58
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	12	0.58
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	12	0.58
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	12	0.58
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	12	0.58
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	12	0.58
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	20	0.58
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	17	0.58
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	7	0.58
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	7	0.58
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	7	0.58
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	8	0.58
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	8	0.58
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	8	0.58
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	9	0.58
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	12	0.58
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	9	0.58
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	7	0.58
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	7	0.58
(1,1569)	1:137:A:PRO:HD3	1:139:A:ILE:HG12	10	0.58
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	11	0.58
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	11	0.58
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	11	0.58
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	4	0.58
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	1	0.58
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	1	0.58
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	1	0.58
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	13	0.58
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	11	0.58
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	9	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	2	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	2	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	2	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	7	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	7	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	7	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	8	0.58
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	8	0.58
(1,453)	1:208:A:ARG:HA	1:208:A:ARG:HD2	14	0.58
(1,453)	1:208:A:ARG:HA	1:208:A:ARG:HD2	19	0.58
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	3	0.58
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	3	0.58
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	3	0.58
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	4	0.58
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	4	0.58
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	4	0.58
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	4	0.58
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	4	0.58
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	4	0.58
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	4	0.58
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	4	0.58
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	4	0.58
(1,363)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	9	0.58
(1,363)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	9	0.58
(1,363)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	9	0.58
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	3	0.58
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	3	0.58
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	3	0.58
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	4	0.58
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	4	0.58
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	4	0.58
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	6	0.58
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	6	0.58
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	6	0.58
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	6	0.58
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	6	0.58
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	6	0.58
(1,165)	1:166:A:VAL:HG23	1:225:A:TYR:HD1	4	0.58
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	19	0.58
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	19	0.58
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	19	0.58
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	9	0.58
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	9	0.58
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	9	0.58
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	5	0.58
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	5	0.58
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	5	0.58
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	14	0.57
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	14	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	1	0.57
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	10	0.57
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	2	0.57
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	2	0.57
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	2	0.57
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	20	0.57
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	20	0.57
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	20	0.57
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	19	0.57
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	19	0.57
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	20	0.57
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	20	0.57
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	20	0.57
(1,4067)	1:138:A:MET:HG3	1:139:A:ILE:H	8	0.57
(1,3911)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	16	0.57
(1,3911)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	16	0.57
(1,3911)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	16	0.57
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	6	0.57
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	4	0.57
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG11	9	0.57
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG12	9	0.57
(1,3820)	1:120:A:SER:HA	1:121:A:VAL:HG13	9	0.57
(1,3721)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	17	0.57
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	6	0.57
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	6	0.57
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	6	0.57
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	6	0.57
(1,3199)	1:208:A:ARG:HA	1:208:A:ARG:HD2	16	0.57
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	12	0.57
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	12	0.57
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	12	0.57
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	7	0.57
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	7	0.57
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	7	0.57
(1,3109)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	13	0.57
(1,3109)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	13	0.57
(1,3109)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	13	0.57
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	6	0.57
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	6	0.57
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	6	0.57
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	13	0.57
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	13	0.57
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	5	0.57
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	5	0.57
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	5	0.57
(1,2914)	1:166:A:VAL:HG21	1:170:A:SER:HB3	6	0.57
(1,2914)	1:166:A:VAL:HG22	1:170:A:SER:HB3	6	0.57
(1,2914)	1:166:A:VAL:HG23	1:170:A:SER:HB3	6	0.57
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG11	3	0.57
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG12	3	0.57
(1,2846)	1:215:A:VAL:H	1:215:A:VAL:HG13	3	0.57
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	8	0.57
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	8	0.57
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	8	0.57
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	11	0.57
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	11	0.57
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	11	0.57
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG11	5	0.57
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG12	5	0.57
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG13	5	0.57
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	14	0.57
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	14	0.57
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	1	0.57
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	10	0.57
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	2	0.57
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	2	0.57
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	2	0.57
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	20	0.57
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	20	0.57
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	20	0.57
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	19	0.57
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	19	0.57
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	20	0.57
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	20	0.57
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	20	0.57
(1,1321)	1:138:A:MET:HG3	1:139:A:ILE:H	8	0.57
(1,1165)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	16	0.57
(1,1165)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	16	0.57
(1,1165)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	16	0.57
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	6	0.57
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	4	0.57
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG11	9	0.57
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG12	9	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1074)	1:120:A:SER:HA	1:121:A:VAL:HG13	9	0.57
(1,975)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	17	0.57
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	6	0.57
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	6	0.57
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	6	0.57
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	6	0.57
(1,453)	1:208:A:ARG:HA	1:208:A:ARG:HD2	16	0.57
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	12	0.57
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	12	0.57
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	12	0.57
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	7	0.57
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	7	0.57
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	7	0.57
(1,363)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	13	0.57
(1,363)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	13	0.57
(1,363)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	13	0.57
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	6	0.57
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	6	0.57
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	6	0.57
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	13	0.57
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	13	0.57
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	13	0.57
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	5	0.57
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	5	0.57
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	5	0.57
(1,168)	1:166:A:VAL:HG21	1:170:A:SER:HB3	6	0.57
(1,168)	1:166:A:VAL:HG22	1:170:A:SER:HB3	6	0.57
(1,168)	1:166:A:VAL:HG23	1:170:A:SER:HB3	6	0.57
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG11	3	0.57
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG12	3	0.57
(1,100)	1:215:A:VAL:H	1:215:A:VAL:HG13	3	0.57
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	8	0.57
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	8	0.57
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	8	0.57
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	11	0.57
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	11	0.57
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	11	0.57
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG11	5	0.57
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG12	5	0.57
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG13	5	0.57
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	18	0.56
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	18	0.56
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	18	0.56
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	18	0.56
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	18	0.56
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	11	0.56
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	11	0.56
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	18	0.56
(1,4293)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	3	0.56
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	7	0.56
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	7	0.56
(1,4021)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	7	0.56
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	2	0.56
(1,3827)	1:205:A:MET:H	1:207:A:GLU:HG2	15	0.56
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	2	0.56
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	4	0.56
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	8	0.56
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	4	0.56
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	4	0.56
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	1	0.56
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	1	0.56
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	1	0.56
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	15	0.56
(1,3135)	1:201:A:THR:HA	1:204:A:LYS:HB2	14	0.56
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	6	0.56
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	6	0.56
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	6	0.56
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	6	0.56
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	6	0.56
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	6	0.56
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	6	0.56
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	6	0.56
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	6	0.56
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	16	0.56
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	16	0.56
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	16	0.56
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	9	0.56
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	9	0.56
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	9	0.56
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	7	0.56
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	7	0.56
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	7	0.56
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	19	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	6	0.56
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	6	0.56
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	6	0.56
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	6	0.56
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	6	0.56
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	6	0.56
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	6	0.56
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	6	0.56
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	6	0.56
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	14	0.56
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	1	0.56
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	10	0.56
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	19	0.56
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	19	0.56
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	19	0.56
(1,2914)	1:166:A:VAL:HG21	1:170:A:SER:HB3	5	0.56
(1,2914)	1:166:A:VAL:HG22	1:170:A:SER:HB3	5	0.56
(1,2914)	1:166:A:VAL:HG23	1:170:A:SER:HB3	5	0.56
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	10	0.56
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	10	0.56
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	10	0.56
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	10	0.56
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	10	0.56
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	10	0.56
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	12	0.56
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	12	0.56
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	12	0.56
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	5	0.56
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	5	0.56
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	5	0.56
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	5	0.56
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	5	0.56
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	5	0.56
(1,2780)	1:176:A:VAL:HG21	1:215:A:VAL:H	16	0.56
(1,2780)	1:176:A:VAL:HG22	1:215:A:VAL:H	16	0.56
(1,2780)	1:176:A:VAL:HG23	1:215:A:VAL:H	16	0.56
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	18	0.56
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	18	0.56
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	18	0.56
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	18	0.56
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	18	0.56
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	18	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	11	0.56
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	11	0.56
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	18	0.56
(1,1547)	1:141:A:PHE:HZ	1:208:A:ARG:HG3	3	0.56
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	7	0.56
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	7	0.56
(1,1275)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	7	0.56
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	2	0.56
(1,1081)	1:205:A:MET:H	1:207:A:GLU:HG2	15	0.56
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	2	0.56
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	4	0.56
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	8	0.56
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	4	0.56
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	4	0.56
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	1	0.56
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	1	0.56
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	1	0.56
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	15	0.56
(1,389)	1:201:A:THR:HA	1:204:A:LYS:HB2	14	0.56
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	6	0.56
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	6	0.56
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	6	0.56
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	6	0.56
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	6	0.56
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	6	0.56
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	6	0.56
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	6	0.56
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	6	0.56
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	16	0.56
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	16	0.56
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	16	0.56
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	9	0.56
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	9	0.56
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	9	0.56
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	7	0.56
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	7	0.56
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	7	0.56
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	19	0.56
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	6	0.56
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	6	0.56
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	6	0.56
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	6	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	6	0.56
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	6	0.56
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	6	0.56
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	6	0.56
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	6	0.56
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	14	0.56
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	1	0.56
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	10	0.56
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	19	0.56
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	19	0.56
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	19	0.56
(1,168)	1:166:A:VAL:HG21	1:170:A:SER:HB3	5	0.56
(1,168)	1:166:A:VAL:HG22	1:170:A:SER:HB3	5	0.56
(1,168)	1:166:A:VAL:HG23	1:170:A:SER:HB3	5	0.56
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	10	0.56
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	10	0.56
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	10	0.56
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	10	0.56
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	10	0.56
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	10	0.56
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	12	0.56
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	12	0.56
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	12	0.56
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	5	0.56
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	5	0.56
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	5	0.56
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	5	0.56
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	5	0.56
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	5	0.56
(1,34)	1:176:A:VAL:HG21	1:215:A:VAL:H	16	0.56
(1,34)	1:176:A:VAL:HG22	1:215:A:VAL:H	16	0.56
(1,34)	1:176:A:VAL:HG23	1:215:A:VAL:H	16	0.56
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	4	0.55
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	4	0.55
(1,5238)	1:226:A:TYR:HD1	1:230:A:ARG:HG2	12	0.55
(1,5238)	1:226:A:TYR:HD2	1:230:A:ARG:HG2	12	0.55
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	20	0.55
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	20	0.55
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	18	0.55
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	6	0.55
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	2	0.55
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	2	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	2	0.55
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	7	0.55
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	7	0.55
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	7	0.55
(1,4694)	1:166:A:VAL:HG11	1:226:A:TYR:H	5	0.55
(1,4694)	1:166:A:VAL:HG12	1:226:A:TYR:H	5	0.55
(1,4694)	1:166:A:VAL:HG13	1:226:A:TYR:H	5	0.55
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	13	0.55
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	9	0.55
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	12	0.55
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	10	0.55
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	8	0.55
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	8	0.55
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	8	0.55
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	5	0.55
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	5	0.55
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	5	0.55
(1,3721)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	2	0.55
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	6	0.55
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	6	0.55
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	6	0.55
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	10	0.55
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	16	0.55
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	16	0.55
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	16	0.55
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	16	0.55
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	16	0.55
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	16	0.55
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	16	0.55
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	16	0.55
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	16	0.55
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	3	0.55
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	3	0.55
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	3	0.55
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	10	0.55
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	11	0.55
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	20	0.55
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	20	0.55
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	20	0.55
(1,2883)	1:125:A:LEU:HD21	1:128:A:TYR:HA	18	0.55
(1,2883)	1:125:A:LEU:HD22	1:128:A:TYR:HA	18	0.55
(1,2883)	1:125:A:LEU:HD23	1:128:A:TYR:HA	18	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	15	0.55
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	15	0.55
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	15	0.55
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	15	0.55
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	15	0.55
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	15	0.55
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	13	0.55
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	13	0.55
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	13	0.55
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD11	13	0.55
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD12	13	0.55
(1,2800)	1:122:A:VAL:HB	1:125:A:LEU:HD13	13	0.55
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	4	0.55
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	4	0.55
(1,2492)	1:226:A:TYR:HD1	1:230:A:ARG:HG2	12	0.55
(1,2492)	1:226:A:TYR:HD2	1:230:A:ARG:HG2	12	0.55
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	20	0.55
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	20	0.55
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	18	0.55
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	6	0.55
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	2	0.55
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	2	0.55
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	2	0.55
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	7	0.55
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	7	0.55
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	7	0.55
(1,1948)	1:166:A:VAL:HG11	1:226:A:TYR:H	5	0.55
(1,1948)	1:166:A:VAL:HG12	1:226:A:TYR:H	5	0.55
(1,1948)	1:166:A:VAL:HG13	1:226:A:TYR:H	5	0.55
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	13	0.55
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	9	0.55
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	12	0.55
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	10	0.55
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	8	0.55
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	8	0.55
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	8	0.55
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	5	0.55
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	5	0.55
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	5	0.55
(1,975)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	2	0.55
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	6	0.55
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	6	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	6	0.55
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	10	0.55
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	16	0.55
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	16	0.55
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	16	0.55
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	16	0.55
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	16	0.55
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	16	0.55
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	16	0.55
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	16	0.55
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	16	0.55
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	3	0.55
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	3	0.55
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	3	0.55
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	10	0.55
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	11	0.55
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	20	0.55
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	20	0.55
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	20	0.55
(1,137)	1:125:A:LEU:HD21	1:128:A:TYR:HA	18	0.55
(1,137)	1:125:A:LEU:HD22	1:128:A:TYR:HA	18	0.55
(1,137)	1:125:A:LEU:HD23	1:128:A:TYR:HA	18	0.55
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	15	0.55
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	15	0.55
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	15	0.55
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	15	0.55
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	15	0.55
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	15	0.55
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	13	0.55
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	13	0.55
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	13	0.55
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD11	13	0.55
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD12	13	0.55
(1,54)	1:122:A:VAL:HB	1:125:A:LEU:HD13	13	0.55
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	1	0.54
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	1	0.54
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	1	0.54
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	1	0.54
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	1	0.54
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	1	0.54
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	6	0.54
(1,5271)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	6	0.54
(1,5271)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	6	0.54
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	6	0.54
(1,5271)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	6	0.54
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	6	0.54
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	5	0.54
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	14	0.54
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	14	0.54
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	14	0.54
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	5	0.54
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	7	0.54
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	14	0.54
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	1	0.54
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	14	0.54
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	11	0.54
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	11	0.54
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	11	0.54
(1,3721)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	18	0.54
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	18	0.54
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	14	0.54
(1,3599)	1:166:A:VAL:HG11	1:225:A:TYR:HA	5	0.54
(1,3599)	1:166:A:VAL:HG12	1:225:A:TYR:HA	5	0.54
(1,3599)	1:166:A:VAL:HG13	1:225:A:TYR:HA	5	0.54
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	4	0.54
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	5	0.54
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	7	0.54
(1,3340)	1:161:A:VAL:HG21	1:217:A:GLN:H	14	0.54
(1,3340)	1:161:A:VAL:HG22	1:217:A:GLN:H	14	0.54
(1,3340)	1:161:A:VAL:HG23	1:217:A:GLN:H	14	0.54
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG21	14	0.54
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG22	14	0.54
(1,3339)	1:131:A:GLY:H	1:161:A:VAL:HG23	14	0.54
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	3	0.54
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	3	0.54
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	3	0.54
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	17	0.54
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	17	0.54
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	17	0.54
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG11	17	0.54
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG12	17	0.54
(1,3145)	1:121:A:VAL:H	1:121:A:VAL:HG13	17	0.54
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	3	0.54
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	3	0.54
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	3	0.54
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	3	0.54
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	3	0.54
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	3	0.54
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	3	0.54
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	3	0.54
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	1	0.54
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	1	0.54
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	1	0.54
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	8	0.54
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	8	0.54
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	8	0.54
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	16	0.54
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	16	0.54
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	16	0.54
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	3	0.54
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	3	0.54
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	3	0.54
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	1	0.54
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	1	0.54
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	1	0.54
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	1	0.54
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	1	0.54
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	1	0.54
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	6	0.54
(1,2525)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	6	0.54
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	6	0.54
(1,2525)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	6	0.54
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	6	0.54
(1,2525)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	6	0.54
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	6	0.54
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	5	0.54
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	14	0.54
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	14	0.54
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	14	0.54
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	5	0.54
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	7	0.54
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	14	0.54
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	1	0.54
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	14	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	11	0.54
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	11	0.54
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	11	0.54
(1,975)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	18	0.54
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	18	0.54
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	14	0.54
(1,853)	1:166:A:VAL:HG11	1:225:A:TYR:HA	5	0.54
(1,853)	1:166:A:VAL:HG12	1:225:A:TYR:HA	5	0.54
(1,853)	1:166:A:VAL:HG13	1:225:A:TYR:HA	5	0.54
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	4	0.54
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	5	0.54
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	7	0.54
(1,594)	1:161:A:VAL:HG21	1:217:A:GLN:H	14	0.54
(1,594)	1:161:A:VAL:HG22	1:217:A:GLN:H	14	0.54
(1,594)	1:161:A:VAL:HG23	1:217:A:GLN:H	14	0.54
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG21	14	0.54
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG22	14	0.54
(1,593)	1:131:A:GLY:H	1:161:A:VAL:HG23	14	0.54
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	3	0.54
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	3	0.54
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	3	0.54
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	17	0.54
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	17	0.54
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	17	0.54
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG11	17	0.54
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG12	17	0.54
(1,399)	1:121:A:VAL:H	1:121:A:VAL:HG13	17	0.54
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	3	0.54
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	3	0.54
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	3	0.54
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	3	0.54
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	3	0.54
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	3	0.54
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	3	0.54
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	3	0.54
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	3	0.54
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	1	0.54
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	1	0.54
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	1	0.54
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	8	0.54
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	8	0.54
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	8	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	16	0.54
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	16	0.54
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	16	0.54
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	3	0.54
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	3	0.54
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	3	0.54
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	18	0.53
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	18	0.53
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	18	0.53
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	18	0.53
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	18	0.53
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	18	0.53
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	3	0.53
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	3	0.53
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	10	0.53
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	10	0.53
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	10	0.53
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	8	0.53
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	5	0.53
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	1	0.53
(1,4182)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	1	0.53
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	1	0.53
(1,4182)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	1	0.53
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	1	0.53
(1,4182)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	1	0.53
(1,4166)	1:167:A:ASP:HA	1:225:A:TYR:HD1	5	0.53
(1,3994)	1:161:A:VAL:HG11	1:213:A:MET:HG2	8	0.53
(1,3994)	1:161:A:VAL:HG12	1:213:A:MET:HG2	8	0.53
(1,3994)	1:161:A:VAL:HG13	1:213:A:MET:HG2	8	0.53
(1,3992)	1:137:A:PRO:HG2	1:213:A:MET:HG2	4	0.53
(1,3992)	1:137:A:PRO:HG3	1:213:A:MET:HG2	4	0.53
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	13	0.53
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	14	0.53
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	17	0.53
(1,3599)	1:166:A:VAL:HG11	1:225:A:TYR:HA	6	0.53
(1,3599)	1:166:A:VAL:HG12	1:225:A:TYR:HA	6	0.53
(1,3599)	1:166:A:VAL:HG13	1:225:A:TYR:HA	6	0.53
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	17	0.53
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	8	0.53
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	8	0.53
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	8	0.53
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	8	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	8	0.53
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	8	0.53
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	8	0.53
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	8	0.53
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	8	0.53
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG21	9	0.53
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG22	9	0.53
(1,3111)	1:206:A:MET:H	1:209:A:VAL:HG23	9	0.53
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	9	0.53
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	9	0.53
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	9	0.53
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	10	0.53
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	10	0.53
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	10	0.53
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	17	0.53
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	17	0.53
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	17	0.53
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	19	0.53
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	19	0.53
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	19	0.53
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	2	0.53
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	2	0.53
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	2	0.53
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	3	0.53
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	3	0.53
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	3	0.53
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	14	0.53
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	14	0.53
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	14	0.53
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	7	0.53
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	6	0.53
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	6	0.53
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	6	0.53
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	20	0.53
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	20	0.53
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	20	0.53
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	20	0.53
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	20	0.53
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	20	0.53
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	1	0.53
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	1	0.53
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	1	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	18	0.53
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	18	0.53
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	18	0.53
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	18	0.53
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	18	0.53
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	18	0.53
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	3	0.53
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	3	0.53
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	10	0.53
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	10	0.53
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	10	0.53
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	8	0.53
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	5	0.53
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD2	1	0.53
(1,1436)	1:203:A:VAL:HG21	1:204:A:LYS:HD3	1	0.53
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD2	1	0.53
(1,1436)	1:203:A:VAL:HG22	1:204:A:LYS:HD3	1	0.53
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD2	1	0.53
(1,1436)	1:203:A:VAL:HG23	1:204:A:LYS:HD3	1	0.53
(1,1420)	1:167:A:ASP:HA	1:225:A:TYR:HD1	5	0.53
(1,1248)	1:161:A:VAL:HG11	1:213:A:MET:HG2	8	0.53
(1,1248)	1:161:A:VAL:HG12	1:213:A:MET:HG2	8	0.53
(1,1248)	1:161:A:VAL:HG13	1:213:A:MET:HG2	8	0.53
(1,1246)	1:137:A:PRO:HG2	1:213:A:MET:HG2	4	0.53
(1,1246)	1:137:A:PRO:HG3	1:213:A:MET:HG2	4	0.53
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	13	0.53
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	14	0.53
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	17	0.53
(1,853)	1:166:A:VAL:HG11	1:225:A:TYR:HA	6	0.53
(1,853)	1:166:A:VAL:HG12	1:225:A:TYR:HA	6	0.53
(1,853)	1:166:A:VAL:HG13	1:225:A:TYR:HA	6	0.53
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	17	0.53
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	8	0.53
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	8	0.53
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	8	0.53
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	8	0.53
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	8	0.53
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	8	0.53
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	8	0.53
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	8	0.53
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	8	0.53
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG21	9	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG22	9	0.53
(1,365)	1:206:A:MET:H	1:209:A:VAL:HG23	9	0.53
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	9	0.53
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	9	0.53
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	9	0.53
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	10	0.53
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	10	0.53
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	10	0.53
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	17	0.53
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	17	0.53
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	17	0.53
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	19	0.53
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	19	0.53
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	19	0.53
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	2	0.53
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	2	0.53
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	2	0.53
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	3	0.53
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	3	0.53
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	3	0.53
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	14	0.53
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	14	0.53
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	14	0.53
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	7	0.53
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	6	0.53
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	6	0.53
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	6	0.53
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	20	0.53
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	20	0.53
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	20	0.53
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	20	0.53
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	20	0.53
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	20	0.53
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	1	0.53
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	1	0.53
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	1	0.53
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	12	0.52
(1,5468)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	12	0.52
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	12	0.52
(1,5468)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	12	0.52
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	12	0.52
(1,5468)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	8	0.52
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	8	0.52
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	8	0.52
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	8	0.52
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	8	0.52
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	8	0.52
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	12	0.52
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	15	0.52
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	11	0.52
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	5	0.52
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	8	0.52
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.52
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	5	0.52
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	5	0.52
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	5	0.52
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	14	0.52
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	7	0.52
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	3	0.52
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	3	0.52
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	3	0.52
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	4	0.52
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	15	0.52
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	15	0.52
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	15	0.52
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	15	0.52
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	15	0.52
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	15	0.52
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	15	0.52
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	15	0.52
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	15	0.52
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	15	0.52
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	15	0.52
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	15	0.52
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	18	0.52
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	18	0.52
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	18	0.52
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	6	0.52
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	6	0.52
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	6	0.52
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	18	0.52
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	18	0.52
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2993)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	6	0.52
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	14	0.52
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	3	0.52
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	3	0.52
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	3	0.52
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	7	0.52
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	7	0.52
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	7	0.52
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	19	0.52
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	19	0.52
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	19	0.52
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	19	0.52
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	19	0.52
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	19	0.52
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	1	0.52
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	1	0.52
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	1	0.52
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	7	0.52
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	7	0.52
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	7	0.52
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	11	0.52
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	11	0.52
(1,2839)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	11	0.52
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	11	0.52
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	11	0.52
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	11	0.52
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	6	0.52
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	6	0.52
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	6	0.52
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	5	0.52
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	5	0.52
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	5	0.52
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	2	0.52
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	2	0.52
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	2	0.52
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	2	0.52
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	2	0.52
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	2	0.52
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	12	0.52
(1,2722)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	12	0.52
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	12	0.52
(1,2722)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	12	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	12	0.52
(1,2722)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	12	0.52
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	8	0.52
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	8	0.52
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	8	0.52
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	8	0.52
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	8	0.52
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	8	0.52
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	12	0.52
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	15	0.52
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	11	0.52
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	5	0.52
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	8	0.52
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.52
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	5	0.52
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	5	0.52
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	5	0.52
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	14	0.52
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	7	0.52
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	3	0.52
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	3	0.52
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	3	0.52
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	4	0.52
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	15	0.52
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	15	0.52
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	15	0.52
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	15	0.52
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	15	0.52
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	15	0.52
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	15	0.52
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	15	0.52
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	15	0.52
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	15	0.52
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	15	0.52
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	15	0.52
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	18	0.52
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	18	0.52
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	18	0.52
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	6	0.52
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	6	0.52
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	6	0.52
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	18	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	18	0.52
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	18	0.52
(1,247)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	6	0.52
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	14	0.52
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	3	0.52
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	3	0.52
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	3	0.52
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	7	0.52
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	7	0.52
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	7	0.52
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	19	0.52
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	19	0.52
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	19	0.52
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	19	0.52
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	19	0.52
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	19	0.52
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	1	0.52
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	1	0.52
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	1	0.52
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	7	0.52
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	7	0.52
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	7	0.52
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	11	0.52
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	11	0.52
(1,93)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	11	0.52
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	11	0.52
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	11	0.52
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	11	0.52
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	6	0.52
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	6	0.52
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	6	0.52
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	5	0.52
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	5	0.52
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	5	0.52
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	2	0.52
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	2	0.52
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	2	0.52
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	2	0.52
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	2	0.52
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	2	0.52
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	19	0.51
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	9	0.51
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	14	0.51
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG11	17	0.51
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG12	17	0.51
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG13	17	0.51
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	14	0.51
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	14	0.51
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	14	0.51
(1,4457)	1:166:A:VAL:HG11	1:169:A:ALA:H	9	0.51
(1,4457)	1:166:A:VAL:HG12	1:169:A:ALA:H	9	0.51
(1,4457)	1:166:A:VAL:HG13	1:169:A:ALA:H	9	0.51
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	8	0.51
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	8	0.51
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	7	0.51
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	12	0.51
(1,4067)	1:138:A:MET:HG3	1:139:A:ILE:H	2	0.51
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	11	0.51
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	10	0.51
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	16	0.51
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	8	0.51
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE1	20	0.51
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE2	20	0.51
(1,3498)	1:138:A:MET:HG3	1:138:A:MET:HE3	20	0.51
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	11	0.51
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	14	0.51
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	18	0.51
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	17	0.51
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG21	9	0.51
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG22	9	0.51
(1,3123)	1:206:A:MET:HG2	1:209:A:VAL:HG23	9	0.51
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	12	0.51
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	12	0.51
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	12	0.51
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	9	0.51
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	9	0.51
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	9	0.51
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	1	0.51
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	1	0.51
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	1	0.51
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	9	0.51
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	9	0.51
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	9	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	9	0.51
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	9	0.51
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	9	0.51
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	9	0.51
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	9	0.51
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	9	0.51
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	11	0.51
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	11	0.51
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	11	0.51
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	19	0.51
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	9	0.51
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	9	0.51
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	14	0.51
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG11	17	0.51
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG12	17	0.51
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG13	17	0.51
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	14	0.51
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	14	0.51
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	14	0.51
(1,1711)	1:166:A:VAL:HG11	1:169:A:ALA:H	9	0.51
(1,1711)	1:166:A:VAL:HG12	1:169:A:ALA:H	9	0.51
(1,1711)	1:166:A:VAL:HG13	1:169:A:ALA:H	9	0.51
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	8	0.51
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	8	0.51
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	7	0.51
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	12	0.51
(1,1321)	1:138:A:MET:HG3	1:139:A:ILE:H	2	0.51
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	11	0.51
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	10	0.51
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	16	0.51
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	8	0.51
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE1	20	0.51
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE2	20	0.51
(1,752)	1:138:A:MET:HG3	1:138:A:MET:HE3	20	0.51
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	11	0.51
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	14	0.51
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	18	0.51
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	17	0.51
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG21	9	0.51
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG22	9	0.51
(1,377)	1:206:A:MET:HG2	1:209:A:VAL:HG23	9	0.51
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	12	0.51
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	12	0.51
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	9	0.51
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	9	0.51
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	9	0.51
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	1	0.51
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	1	0.51
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	1	0.51
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	9	0.51
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	9	0.51
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	9	0.51
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	9	0.51
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	9	0.51
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	9	0.51
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	9	0.51
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	9	0.51
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	9	0.51
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	11	0.51
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	11	0.51
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	11	0.51
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	18	0.5
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	18	0.5
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	3	0.5
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	3	0.5
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	3	0.5
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	3	0.5
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	3	0.5
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	3	0.5
(1,5250)	1:154:A:MET:HG3	1:155:A:TYR:HD1	3	0.5
(1,5250)	1:154:A:MET:HG3	1:155:A:TYR:HD2	3	0.5
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	17	0.5
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	17	0.5
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	13	0.5
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	19	0.5
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG11	20	0.5
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG12	20	0.5
(1,4727)	1:183:A:THR:H	1:210:A:VAL:HG13	20	0.5
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	17	0.5
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	17	0.5
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	2	0.5
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	2	0.5
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	6	0.5
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	14	0.5
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	15	0.5
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	19	0.5
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	20	0.5
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	6	0.5
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	20	0.5
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	20	0.5
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	20	0.5
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	9	0.5
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	16	0.5
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	20	0.5
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	7	0.5
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	16	0.5
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	3	0.5
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	11	0.5
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	2	0.5
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	2	0.5
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	2	0.5
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG21	8	0.5
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG22	8	0.5
(1,3335)	1:161:A:VAL:H	1:161:A:VAL:HG23	8	0.5
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	20	0.5
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB1	15	0.5
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB2	15	0.5
(1,3221)	1:168:A:GLN:HB2	1:169:A:ALA:HB3	15	0.5
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	20	0.5
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	20	0.5
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	20	0.5
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	12	0.5
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	12	0.5
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	12	0.5
(1,3076)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	12	0.5
(1,3076)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	12	0.5
(1,3076)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	12	0.5
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	9	0.5
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	9	0.5
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	9	0.5
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	2	0.5
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	20	0.5
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	4	0.5
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	4	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	4	0.5
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	11	0.5
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	11	0.5
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	11	0.5
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	15	0.5
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	16	0.5
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	16	0.5
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	16	0.5
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	18	0.5
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	18	0.5
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	3	0.5
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	3	0.5
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	3	0.5
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	3	0.5
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	3	0.5
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	3	0.5
(1,2504)	1:154:A:MET:HG3	1:155:A:TYR:HD1	3	0.5
(1,2504)	1:154:A:MET:HG3	1:155:A:TYR:HD2	3	0.5
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	17	0.5
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	17	0.5
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	13	0.5
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	19	0.5
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG11	20	0.5
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG12	20	0.5
(1,1981)	1:183:A:THR:H	1:210:A:VAL:HG13	20	0.5
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	17	0.5
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	17	0.5
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	2	0.5
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	2	0.5
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	2	0.5
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	6	0.5
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	14	0.5
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	15	0.5
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	19	0.5
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	20	0.5
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	6	0.5
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	20	0.5
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	20	0.5
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	20	0.5
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	9	0.5
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	16	0.5
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	20	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	7	0.5
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	16	0.5
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	3	0.5
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	11	0.5
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	2	0.5
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	2	0.5
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	2	0.5
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG21	8	0.5
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG22	8	0.5
(1,589)	1:161:A:VAL:H	1:161:A:VAL:HG23	8	0.5
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	20	0.5
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB1	15	0.5
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB2	15	0.5
(1,475)	1:168:A:GLN:HB2	1:169:A:ALA:HB3	15	0.5
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	20	0.5
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	20	0.5
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	20	0.5
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	12	0.5
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	12	0.5
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	12	0.5
(1,330)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	12	0.5
(1,330)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	12	0.5
(1,330)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	12	0.5
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	9	0.5
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	9	0.5
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	9	0.5
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	2	0.5
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	20	0.5
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	4	0.5
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	4	0.5
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	4	0.5
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	11	0.5
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	11	0.5
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	11	0.5
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	15	0.5
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	16	0.5
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	16	0.5
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	16	0.5
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	13	0.49
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	13	0.49
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	4	0.49
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	4	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	14	0.49
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	14	0.49
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	5	0.49
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	5	0.49
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	8	0.49
(1,4694)	1:166:A:VAL:HG11	1:226:A:TYR:H	6	0.49
(1,4694)	1:166:A:VAL:HG12	1:226:A:TYR:H	6	0.49
(1,4694)	1:166:A:VAL:HG13	1:226:A:TYR:H	6	0.49
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	16	0.49
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	16	0.49
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	16	0.49
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	20	0.49
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	8	0.49
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	1	0.49
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	18	0.49
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	4	0.49
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	4	0.49
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	4	0.49
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	2	0.49
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	5	0.49
(1,3618)	1:166:A:VAL:HG21	1:170:A:SER:HA	9	0.49
(1,3618)	1:166:A:VAL:HG22	1:170:A:SER:HA	9	0.49
(1,3618)	1:166:A:VAL:HG23	1:170:A:SER:HA	9	0.49
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	20	0.49
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	5	0.49
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	13	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	6	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	6	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	6	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	8	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	8	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	8	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	15	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	15	0.49
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	15	0.49
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	13	0.49
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	7	0.49
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	7	0.49
(1,3180)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	17	0.49
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	16	0.49
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	16	0.49
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	16	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	3	0.49
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	3	0.49
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	3	0.49
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	6	0.49
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	6	0.49
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	6	0.49
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	1	0.49
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	1	0.49
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	1	0.49
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	5	0.49
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	5	0.49
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	5	0.49
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	13	0.49
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	13	0.49
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	13	0.49
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	4	0.49
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	4	0.49
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	4	0.49
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	4	0.49
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	4	0.49
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	4	0.49
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	4	0.49
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	4	0.49
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	4	0.49
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	6	0.49
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	6	0.49
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	6	0.49
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	6	0.49
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	6	0.49
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	6	0.49
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	13	0.49
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	13	0.49
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	4	0.49
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	4	0.49
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	14	0.49
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	14	0.49
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	5	0.49
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	5	0.49
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	8	0.49
(1,1948)	1:166:A:VAL:HG11	1:226:A:TYR:H	6	0.49
(1,1948)	1:166:A:VAL:HG12	1:226:A:TYR:H	6	0.49
(1,1948)	1:166:A:VAL:HG13	1:226:A:TYR:H	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	16	0.49
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	16	0.49
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	16	0.49
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	20	0.49
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	8	0.49
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	1	0.49
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	18	0.49
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	4	0.49
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	4	0.49
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	4	0.49
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	2	0.49
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	5	0.49
(1,872)	1:166:A:VAL:HG21	1:170:A:SER:HA	9	0.49
(1,872)	1:166:A:VAL:HG22	1:170:A:SER:HA	9	0.49
(1,872)	1:166:A:VAL:HG23	1:170:A:SER:HA	9	0.49
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	20	0.49
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	5	0.49
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	13	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	6	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	6	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	6	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	8	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	8	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	8	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	15	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	15	0.49
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	15	0.49
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	13	0.49
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	7	0.49
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	7	0.49
(1,434)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	17	0.49
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	16	0.49
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	16	0.49
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	16	0.49
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	3	0.49
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	3	0.49
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	3	0.49
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	6	0.49
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	6	0.49
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	6	0.49
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	1	0.49
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	1	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	1	0.49
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	5	0.49
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	5	0.49
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	5	0.49
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	13	0.49
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	13	0.49
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	13	0.49
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	4	0.49
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	4	0.49
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	4	0.49
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	4	0.49
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	4	0.49
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	4	0.49
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	4	0.49
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	4	0.49
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	4	0.49
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	6	0.49
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	6	0.49
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	6	0.49
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	6	0.49
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	6	0.49
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	6	0.49
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	12	0.48
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	12	0.48
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	8	0.48
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	8	0.48
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD1	3	0.48
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD2	3	0.48
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	3	0.48
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	3	0.48
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	3	0.48
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	3	0.48
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	17	0.48
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	10	0.48
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	10	0.48
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	10	0.48
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	3	0.48
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	18	0.48
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	18	0.48
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	3	0.48
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	17	0.48
(1,4101)	1:230:A:ARG:HB3	1:231:A:SER:HA	3	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4064)	1:138:A:MET:H	1:138:A:MET:HG2	15	0.48
(1,3970)	1:230:A:ARG:HA	1:230:A:ARG:HG3	12	0.48
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	14	0.48
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	6	0.48
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	6	0.48
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	6	0.48
(1,3721)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	15	0.48
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	2	0.48
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	4	0.48
(1,3646)	1:133:A:ALA:HA	1:134:A:MET:HB3	10	0.48
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	1	0.48
(1,3512)	1:136:A:ARG:HD2	1:138:A:MET:HE1	9	0.48
(1,3512)	1:136:A:ARG:HD2	1:138:A:MET:HE2	9	0.48
(1,3512)	1:136:A:ARG:HD2	1:138:A:MET:HE3	9	0.48
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	14	0.48
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	10	0.48
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	20	0.48
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	20	0.48
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	20	0.48
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG21	9	0.48
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG22	9	0.48
(1,3124)	1:206:A:MET:HB3	1:209:A:VAL:HG23	9	0.48
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	7	0.48
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	7	0.48
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	7	0.48
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	10	0.48
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	10	0.48
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	10	0.48
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	10	0.48
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	10	0.48
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	10	0.48
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	15	0.48
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	15	0.48
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	15	0.48
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	15	0.48
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	15	0.48
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	15	0.48
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	10	0.48
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	10	0.48
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	10	0.48
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	8	0.48
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	8	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	11	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	11	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	11	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	12	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	12	0.48
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	12	0.48
(1,2780)	1:176:A:VAL:HG21	1:215:A:VAL:H	12	0.48
(1,2780)	1:176:A:VAL:HG22	1:215:A:VAL:H	12	0.48
(1,2780)	1:176:A:VAL:HG23	1:215:A:VAL:H	12	0.48
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	12	0.48
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	12	0.48
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	8	0.48
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	8	0.48
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD1	3	0.48
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD2	3	0.48
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	3	0.48
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	3	0.48
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	3	0.48
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	3	0.48
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	17	0.48
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	10	0.48
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	10	0.48
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	10	0.48
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	3	0.48
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	18	0.48
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	18	0.48
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	3	0.48
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	17	0.48
(1,1355)	1:230:A:ARG:HB3	1:231:A:SER:HA	3	0.48
(1,1318)	1:138:A:MET:H	1:138:A:MET:HG2	15	0.48
(1,1224)	1:230:A:ARG:HA	1:230:A:ARG:HG3	12	0.48
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	14	0.48
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	6	0.48
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	6	0.48
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	6	0.48
(1,975)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	15	0.48
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	2	0.48
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	4	0.48
(1,900)	1:133:A:ALA:HA	1:134:A:MET:HB3	10	0.48
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	1	0.48
(1,766)	1:136:A:ARG:HD2	1:138:A:MET:HE1	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:136:A:ARG:HD2	1:138:A:MET:HE2	9	0.48
(1,766)	1:136:A:ARG:HD2	1:138:A:MET:HE3	9	0.48
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	14	0.48
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	10	0.48
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	20	0.48
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	20	0.48
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	20	0.48
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG21	9	0.48
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG22	9	0.48
(1,378)	1:206:A:MET:HB3	1:209:A:VAL:HG23	9	0.48
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	7	0.48
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	7	0.48
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	7	0.48
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	10	0.48
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	10	0.48
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	10	0.48
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	10	0.48
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	10	0.48
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	10	0.48
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	15	0.48
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	15	0.48
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	15	0.48
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	15	0.48
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	15	0.48
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	15	0.48
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	10	0.48
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	10	0.48
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	10	0.48
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	8	0.48
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	8	0.48
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	8	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	11	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	11	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	11	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	12	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	12	0.48
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	12	0.48
(1,34)	1:176:A:VAL:HG21	1:215:A:VAL:H	12	0.48
(1,34)	1:176:A:VAL:HG22	1:215:A:VAL:H	12	0.48
(1,34)	1:176:A:VAL:HG23	1:215:A:VAL:H	12	0.48
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	15	0.47
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	20	0.47
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	20	0.47
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	20	0.47
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	20	0.47
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	20	0.47
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	20	0.47
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	7	0.47
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	7	0.47
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	19	0.47
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	19	0.47
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	19	0.47
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	19	0.47
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	4	0.47
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	7	0.47
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	8	0.47
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	9	0.47
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	11	0.47
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG11	17	0.47
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG12	17	0.47
(1,4861)	1:201:A:THR:H	1:203:A:VAL:HG13	17	0.47
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	4	0.47
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	18	0.47
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	4	0.47
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	4	0.47
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	4	0.47
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	2	0.47
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	10	0.47
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	19	0.47
(1,4166)	1:167:A:ASP:HA	1:225:A:TYR:HD1	19	0.47
(1,4101)	1:230:A:ARG:HB3	1:231:A:SER:HA	12	0.47
(1,4064)	1:138:A:MET:H	1:138:A:MET:HG2	7	0.47
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	4	0.47
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	5	0.47
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	20	0.47
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	15	0.47
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	12	0.47
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	12	0.47
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	12	0.47
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	17	0.47
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	17	0.47
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	17	0.47
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	1	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	6	0.47
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	12	0.47
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	12	0.47
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	12	0.47
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	12	0.47
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	12	0.47
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	12	0.47
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	12	0.47
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	12	0.47
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	12	0.47
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	9	0.47
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	8	0.47
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	8	0.47
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	8	0.47
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	18	0.47
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	6	0.47
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	6	0.47
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	6	0.47
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	6	0.47
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	6	0.47
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	6	0.47
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	18	0.47
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	18	0.47
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	18	0.47
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	18	0.47
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	18	0.47
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	18	0.47
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	3	0.47
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	16	0.47
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	17	0.47
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	17	0.47
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	17	0.47
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	17	0.47
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	17	0.47
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	17	0.47
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	17	0.47
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	17	0.47
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	17	0.47
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	14	0.47
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	14	0.47
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	14	0.47
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	14	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	14	0.47
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	14	0.47
(1,2786)	1:176:A:VAL:HG21	1:215:A:VAL:HA	12	0.47
(1,2786)	1:176:A:VAL:HG22	1:215:A:VAL:HA	12	0.47
(1,2786)	1:176:A:VAL:HG23	1:215:A:VAL:HA	12	0.47
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	15	0.47
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	15	0.47
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	20	0.47
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	20	0.47
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	20	0.47
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	20	0.47
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	20	0.47
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	20	0.47
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	7	0.47
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	7	0.47
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	19	0.47
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	19	0.47
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	19	0.47
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	19	0.47
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	4	0.47
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	7	0.47
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	8	0.47
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	9	0.47
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	11	0.47
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG11	17	0.47
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG12	17	0.47
(1,2115)	1:201:A:THR:H	1:203:A:VAL:HG13	17	0.47
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	4	0.47
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	18	0.47
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	4	0.47
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	4	0.47
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	4	0.47
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	2	0.47
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	10	0.47
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	19	0.47
(1,1420)	1:167:A:ASP:HA	1:225:A:TYR:HD1	19	0.47
(1,1355)	1:230:A:ARG:HB3	1:231:A:SER:HA	12	0.47
(1,1318)	1:138:A:MET:H	1:138:A:MET:HG2	7	0.47
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	4	0.47
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	5	0.47
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	20	0.47
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	15	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	12	0.47
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	12	0.47
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	12	0.47
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	17	0.47
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	17	0.47
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	17	0.47
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	1	0.47
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	6	0.47
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	12	0.47
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	12	0.47
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	12	0.47
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	12	0.47
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	12	0.47
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	12	0.47
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	12	0.47
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	12	0.47
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	12	0.47
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	9	0.47
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	8	0.47
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	8	0.47
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	8	0.47
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	18	0.47
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	6	0.47
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	6	0.47
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	6	0.47
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	6	0.47
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	6	0.47
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	6	0.47
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	18	0.47
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	18	0.47
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	18	0.47
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	18	0.47
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	18	0.47
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	18	0.47
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	3	0.47
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	16	0.47
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	17	0.47
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	17	0.47
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	17	0.47
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	17	0.47
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	17	0.47
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	17	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	17	0.47
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	17	0.47
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	17	0.47
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	14	0.47
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	14	0.47
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	14	0.47
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	14	0.47
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	14	0.47
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	14	0.47
(1,40)	1:176:A:VAL:HG21	1:215:A:VAL:HA	12	0.47
(1,40)	1:176:A:VAL:HG22	1:215:A:VAL:HA	12	0.47
(1,40)	1:176:A:VAL:HG23	1:215:A:VAL:HA	12	0.47
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	5	0.46
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	10	0.46
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	10	0.46
(1,5322)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	10	0.46
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	10	0.46
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	10	0.46
(1,5322)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	10	0.46
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	5	0.46
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	5	0.46
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	5	0.46
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	5	0.46
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	5	0.46
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	5	0.46
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	19	0.46
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	19	0.46
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	19	0.46
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	19	0.46
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	19	0.46
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	19	0.46
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	1	0.46
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	12	0.46
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	19	0.46
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	12	0.46
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	12	0.46
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	12	0.46
(1,4947)	1:212:A:GLN:H	1:213:A:MET:HG2	3	0.46
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	13	0.46
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	1	0.46
(1,4325)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	1	0.46
(1,4325)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	4	0.46
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	4	0.46
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	4	0.46
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	19	0.46
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	19	0.46
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	19	0.46
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	13	0.46
(1,4168)	1:183:A:THR:HB	1:184:A:ILE:HG12	17	0.46
(1,4166)	1:167:A:ASP:HA	1:225:A:TYR:HD1	6	0.46
(1,4101)	1:230:A:ARG:HB3	1:231:A:SER:HA	8	0.46
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	14	0.46
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	17	0.46
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	10	0.46
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	10	0.46
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	10	0.46
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	4	0.46
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	3	0.46
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	12	0.46
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	12	0.46
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	3	0.46
(1,3203)	1:141:A:PHE:HE1	1:208:A:ARG:HD3	17	0.46
(1,3203)	1:141:A:PHE:HE2	1:208:A:ARG:HD3	17	0.46
(1,3180)	1:225:A:TYR:HD1	1:229:A:ARG:HD3	7	0.46
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	11	0.46
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	11	0.46
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	11	0.46
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	15	0.46
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	15	0.46
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	15	0.46
(1,2911)	1:166:A:VAL:HG23	1:225:A:TYR:HD2	8	0.46
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	15	0.46
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	14	0.46
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	14	0.46
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	14	0.46
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	17	0.46
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	17	0.46
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	17	0.46
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	5	0.46
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	10	0.46
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	10	0.46
(1,2576)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	10	0.46
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	10	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	10	0.46
(1,2576)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	10	0.46
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	5	0.46
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	5	0.46
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	5	0.46
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	5	0.46
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	5	0.46
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	5	0.46
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	19	0.46
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	19	0.46
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	19	0.46
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	19	0.46
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	19	0.46
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	19	0.46
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	1	0.46
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	12	0.46
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	19	0.46
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	12	0.46
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	12	0.46
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	12	0.46
(1,2201)	1:212:A:GLN:H	1:213:A:MET:HG2	3	0.46
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	13	0.46
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	1	0.46
(1,1579)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	1	0.46
(1,1579)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	1	0.46
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	4	0.46
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	4	0.46
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	4	0.46
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	19	0.46
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	19	0.46
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	19	0.46
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	13	0.46
(1,1422)	1:183:A:THR:HB	1:184:A:ILE:HG12	17	0.46
(1,1420)	1:167:A:ASP:HA	1:225:A:TYR:HD1	6	0.46
(1,1355)	1:230:A:ARG:HB3	1:231:A:SER:HA	8	0.46
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	14	0.46
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	17	0.46
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	10	0.46
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	10	0.46
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	10	0.46
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	4	0.46
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	12	0.46
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	12	0.46
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	3	0.46
(1,457)	1:141:A:PHE:HE1	1:208:A:ARG:HD3	17	0.46
(1,457)	1:141:A:PHE:HE2	1:208:A:ARG:HD3	17	0.46
(1,434)	1:225:A:TYR:HD1	1:229:A:ARG:HD3	7	0.46
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	11	0.46
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	11	0.46
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	11	0.46
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	15	0.46
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	15	0.46
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	15	0.46
(1,165)	1:166:A:VAL:HG23	1:225:A:TYR:HD2	8	0.46
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	15	0.46
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	14	0.46
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	14	0.46
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	14	0.46
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	17	0.46
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	17	0.46
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	17	0.46
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	12	0.45
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	8	0.45
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG11	3	0.45
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG12	3	0.45
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG13	3	0.45
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	19	0.45
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	19	0.45
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	19	0.45
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	18	0.45
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	8	0.45
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	12	0.45
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	5	0.45
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	5	0.45
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	5	0.45
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	15	0.45
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	11	0.45
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	11	0.45
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	11	0.45
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	4	0.45
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	4	0.45
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	4	0.45
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	16	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	16	0.45
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	16	0.45
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	7	0.45
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	7	0.45
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	7	0.45
(1,2990)	1:166:A:VAL:HG11	1:167:A:ASP:H	5	0.45
(1,2990)	1:166:A:VAL:HG12	1:167:A:ASP:H	5	0.45
(1,2990)	1:166:A:VAL:HG13	1:167:A:ASP:H	5	0.45
(1,2950)	1:216:A:THR:HG21	1:217:A:GLN:HG2	20	0.45
(1,2950)	1:216:A:THR:HG22	1:217:A:GLN:HG2	20	0.45
(1,2950)	1:216:A:THR:HG23	1:217:A:GLN:HG2	20	0.45
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	12	0.45
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	17	0.45
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	17	0.45
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	17	0.45
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	17	0.45
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	17	0.45
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	17	0.45
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	4	0.45
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	4	0.45
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	4	0.45
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	4	0.45
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	4	0.45
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	4	0.45
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	12	0.45
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	8	0.45
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG11	3	0.45
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG12	3	0.45
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG13	3	0.45
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	19	0.45
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	19	0.45
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	19	0.45
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	18	0.45
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	8	0.45
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	12	0.45
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	5	0.45
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	5	0.45
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	5	0.45
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	15	0.45
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	11	0.45
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	11	0.45
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	11	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	4	0.45
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	4	0.45
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	4	0.45
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	16	0.45
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	16	0.45
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	16	0.45
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	7	0.45
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	7	0.45
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	7	0.45
(1,244)	1:166:A:VAL:HG11	1:167:A:ASP:H	5	0.45
(1,244)	1:166:A:VAL:HG12	1:167:A:ASP:H	5	0.45
(1,244)	1:166:A:VAL:HG13	1:167:A:ASP:H	5	0.45
(1,204)	1:216:A:THR:HG21	1:217:A:GLN:HG2	20	0.45
(1,204)	1:216:A:THR:HG22	1:217:A:GLN:HG2	20	0.45
(1,204)	1:216:A:THR:HG23	1:217:A:GLN:HG2	20	0.45
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	12	0.45
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	17	0.45
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	17	0.45
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	17	0.45
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	17	0.45
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	17	0.45
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	17	0.45
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	4	0.45
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	4	0.45
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	4	0.45
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	4	0.45
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	4	0.45
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	4	0.45
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	18	0.44
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	18	0.44
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	18	0.44
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	18	0.44
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	18	0.44
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	18	0.44
(1,5125)	1:172:A:GLN:HE22	1:219:A:GLN:HE22	16	0.44
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	19	0.44
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	17	0.44
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	7	0.44
(1,4711)	1:204:A:LYS:HB3	1:205:A:MET:H	14	0.44
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	20	0.44
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	20	0.44
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4583)	1:176:A:VAL:HG21	1:218:A:TYR:H	20	0.44
(1,4583)	1:176:A:VAL:HG22	1:218:A:TYR:H	20	0.44
(1,4583)	1:176:A:VAL:HG23	1:218:A:TYR:H	20	0.44
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	15	0.44
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	15	0.44
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	14	0.44
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	14	0.44
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	14	0.44
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	4	0.44
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	2	0.44
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	7	0.44
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	6	0.44
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	12	0.44
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	13	0.44
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG21	2	0.44
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG22	2	0.44
(1,3968)	1:206:A:MET:HB3	1:210:A:VAL:HG23	2	0.44
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	18	0.44
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	3	0.44
(1,3499)	1:138:A:MET:HE1	1:151:A:ARG:HG3	19	0.44
(1,3499)	1:138:A:MET:HE2	1:151:A:ARG:HG3	19	0.44
(1,3499)	1:138:A:MET:HE3	1:151:A:ARG:HG3	19	0.44
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	2	0.44
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	19	0.44
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	19	0.44
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	19	0.44
(1,3202)	1:208:A:ARG:HD3	1:209:A:VAL:H	5	0.44
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG21	9	0.44
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG22	9	0.44
(1,3120)	1:206:A:MET:HA	1:209:A:VAL:HG23	9	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	13	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	13	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	13	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	14	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	14	0.44
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	14	0.44
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	19	0.44
(1,2878)	1:126:A:GLY:HA3	1:128:A:TYR:HD1	4	0.44
(1,2878)	1:126:A:GLY:HA3	1:128:A:TYR:HD2	4	0.44
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	9	0.44
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	10	0.44
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	16	0.44
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	16	0.44
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	5	0.44
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	5	0.44
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	5	0.44
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	5	0.44
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	5	0.44
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	5	0.44
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	5	0.44
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	5	0.44
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	5	0.44
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	13	0.44
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	13	0.44
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	13	0.44
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	13	0.44
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	13	0.44
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	13	0.44
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	13	0.44
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	13	0.44
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	13	0.44
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	3	0.44
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	3	0.44
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	3	0.44
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	3	0.44
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	3	0.44
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	3	0.44
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	4	0.44
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	4	0.44
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	4	0.44
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	18	0.44
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	18	0.44
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	18	0.44
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	18	0.44
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	18	0.44
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	18	0.44
(1,2379)	1:172:A:GLN:HE22	1:219:A:GLN:HE22	16	0.44
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	19	0.44
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	17	0.44
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	7	0.44
(1,1965)	1:204:A:LYS:HB3	1:205:A:MET:H	14	0.44
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	20	0.44
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	20	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	20	0.44
(1,1837)	1:176:A:VAL:HG21	1:218:A:TYR:H	20	0.44
(1,1837)	1:176:A:VAL:HG22	1:218:A:TYR:H	20	0.44
(1,1837)	1:176:A:VAL:HG23	1:218:A:TYR:H	20	0.44
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	15	0.44
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	15	0.44
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	14	0.44
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	14	0.44
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	14	0.44
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	4	0.44
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	2	0.44
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	7	0.44
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	6	0.44
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	12	0.44
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	13	0.44
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG21	2	0.44
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG22	2	0.44
(1,1222)	1:206:A:MET:HB3	1:210:A:VAL:HG23	2	0.44
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	18	0.44
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	3	0.44
(1,753)	1:138:A:MET:HE1	1:151:A:ARG:HG3	19	0.44
(1,753)	1:138:A:MET:HE2	1:151:A:ARG:HG3	19	0.44
(1,753)	1:138:A:MET:HE3	1:151:A:ARG:HG3	19	0.44
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	2	0.44
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	19	0.44
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	19	0.44
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	19	0.44
(1,456)	1:208:A:ARG:HD3	1:209:A:VAL:H	5	0.44
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG21	9	0.44
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG22	9	0.44
(1,374)	1:206:A:MET:HA	1:209:A:VAL:HG23	9	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	13	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	13	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	13	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	14	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	14	0.44
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	14	0.44
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	19	0.44
(1,132)	1:126:A:GLY:HA3	1:128:A:TYR:HD1	4	0.44
(1,132)	1:126:A:GLY:HA3	1:128:A:TYR:HD2	4	0.44
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	9	0.44
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	10	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	16	0.44
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	16	0.44
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	16	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	5	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	5	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	5	0.44
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	5	0.44
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	5	0.44
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	5	0.44
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	5	0.44
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	5	0.44
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	5	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	13	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	13	0.44
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	13	0.44
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	13	0.44
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	13	0.44
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	13	0.44
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	13	0.44
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	13	0.44
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	13	0.44
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	3	0.44
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	3	0.44
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	3	0.44
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	3	0.44
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	3	0.44
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	3	0.44
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	4	0.44
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	4	0.44
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	4	0.44
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	17	0.43
(1,5286)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	17	0.43
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	13	0.43
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	1	0.43
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	7	0.43
(1,4814)	1:231:A:SER:H	1:231:A:SER:HB2	3	0.43
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	1	0.43
(1,4476)	1:129:A:MET:HG3	1:130:A:LEU:H	10	0.43
(1,4325)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	9	0.43
(1,4325)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	9	0.43
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	5	0.43
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	5	0.43
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	18	0.43
(1,4000)	1:157:A:TYR:HA	1:206:A:MET:HG2	8	0.43
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	2	0.43
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	18	0.43
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	12	0.43
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	3	0.43
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	3	0.43
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	3	0.43
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	5	0.43
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	4	0.43
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	4	0.43
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	4	0.43
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	1	0.43
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	1	0.43
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	1	0.43
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	5	0.43
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	5	0.43
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	5	0.43
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	18	0.43
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	18	0.43
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	18	0.43
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	17	0.43
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	17	0.43
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	17	0.43
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	10	0.43
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	10	0.43
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	10	0.43
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	17	0.43
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	17	0.43
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	17	0.43
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	12	0.43
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	12	0.43
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	12	0.43
(1,2910)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	6	0.43
(1,2910)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	6	0.43
(1,2910)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	6	0.43
(1,2910)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	6	0.43
(1,2910)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	6	0.43
(1,2910)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	6	0.43
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	5	0.43
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	9	0.43
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	9	0.43
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG21	7	0.43
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG22	7	0.43
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG23	7	0.43
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	2	0.43
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	2	0.43
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	2	0.43
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	2	0.43
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	2	0.43
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	2	0.43
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	2	0.43
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	2	0.43
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	2	0.43
(1,2752)	1:130:A:LEU:HD21	1:160:A:GLN:HB2	8	0.43
(1,2752)	1:130:A:LEU:HD22	1:160:A:GLN:HB2	8	0.43
(1,2752)	1:130:A:LEU:HD23	1:160:A:GLN:HB2	8	0.43
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD1	17	0.43
(1,2540)	1:127:A:GLY:HA2	1:128:A:TYR:HD2	17	0.43
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	13	0.43
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	1	0.43
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	7	0.43
(1,2068)	1:231:A:SER:H	1:231:A:SER:HB2	3	0.43
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	1	0.43
(1,1730)	1:129:A:MET:HG3	1:130:A:LEU:H	10	0.43
(1,1579)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	9	0.43
(1,1579)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	9	0.43
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	5	0.43
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	5	0.43
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	5	0.43
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	18	0.43
(1,1254)	1:157:A:TYR:HA	1:206:A:MET:HG2	8	0.43
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	2	0.43
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	18	0.43
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	12	0.43
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	3	0.43
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	3	0.43
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	3	0.43
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	5	0.43
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	4	0.43
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	4	0.43
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	4	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	1	0.43
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	1	0.43
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	1	0.43
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	5	0.43
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	5	0.43
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	5	0.43
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	18	0.43
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	18	0.43
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	18	0.43
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	17	0.43
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	17	0.43
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	17	0.43
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	10	0.43
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	10	0.43
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	10	0.43
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	17	0.43
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	17	0.43
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	17	0.43
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	12	0.43
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	12	0.43
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	12	0.43
(1,164)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	6	0.43
(1,164)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	6	0.43
(1,164)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	6	0.43
(1,164)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	6	0.43
(1,164)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	6	0.43
(1,164)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	6	0.43
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	5	0.43
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	9	0.43
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	9	0.43
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	9	0.43
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG21	7	0.43
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG22	7	0.43
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG23	7	0.43
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	2	0.43
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	2	0.43
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	2	0.43
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	2	0.43
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	2	0.43
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	2	0.43
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	2	0.43
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	2	0.43
(1,6)	1:130:A:LEU:HD21	1:160:A:GLN:HB2	8	0.43
(1,6)	1:130:A:LEU:HD22	1:160:A:GLN:HB2	8	0.43
(1,6)	1:130:A:LEU:HD23	1:160:A:GLN:HB2	8	0.43
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	11	0.42
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	11	0.42
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	20	0.42
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	20	0.42
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	5	0.42
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	5	0.42
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	6	0.42
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	19	0.42
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	17	0.42
(1,4814)	1:231:A:SER:H	1:231:A:SER:HB2	10	0.42
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	15	0.42
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	5	0.42
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	5	0.42
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	5	0.42
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	16	0.42
(1,4325)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	6	0.42
(1,4325)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	6	0.42
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	15	0.42
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	16	0.42
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	9	0.42
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	9	0.42
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	9	0.42
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	1	0.42
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	7	0.42
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	20	0.42
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	5	0.42
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	2	0.42
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	8	0.42
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	8	0.42
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	8	0.42
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	19	0.42
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	6	0.42
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	6	0.42
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	6	0.42
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	9	0.42
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	9	0.42
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	9	0.42
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	2	0.42
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	2	0.42
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	2	0.42
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	11	0.42
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	11	0.42
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	20	0.42
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	20	0.42
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	5	0.42
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	5	0.42
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	6	0.42
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	19	0.42
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	17	0.42
(1,2068)	1:231:A:SER:H	1:231:A:SER:HB2	10	0.42
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	15	0.42
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	5	0.42
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	5	0.42
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	5	0.42
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	16	0.42
(1,1579)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	6	0.42
(1,1579)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	6	0.42
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	15	0.42
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	16	0.42
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	9	0.42
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	9	0.42
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	9	0.42
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	1	0.42
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	7	0.42
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	20	0.42
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	5	0.42
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	2	0.42
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	8	0.42
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	8	0.42
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	8	0.42
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	19	0.42
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	6	0.42
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	6	0.42
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	6	0.42
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	9	0.42
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	9	0.42
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	9	0.42
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	2	0.42
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	2	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	2	0.42
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	2	0.42
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	18	0.41
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	9	0.41
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	3	0.41
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	1	0.41
(1,4701)	1:210:A:VAL:HG11	1:214:A:CYS:H	11	0.41
(1,4701)	1:210:A:VAL:HG12	1:214:A:CYS:H	11	0.41
(1,4701)	1:210:A:VAL:HG13	1:214:A:CYS:H	11	0.41
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	5	0.41
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	5	0.41
(1,4249)	1:129:A:MET:H	1:165:A:PRO:HD2	20	0.41
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	14	0.41
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG21	7	0.41
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG22	7	0.41
(1,3963)	1:206:A:MET:HB2	1:209:A:VAL:HG23	7	0.41
(1,3768)	1:200:A:GLU:HG3	1:204:A:LYS:HE2	4	0.41
(1,3768)	1:200:A:GLU:HG3	1:204:A:LYS:HE3	4	0.41
(1,3720)	1:149:A:TYR:HA	1:152:A:GLU:HG2	17	0.41
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	14	0.41
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	14	0.41
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	14	0.41
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	20	0.41
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	3	0.41
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	6	0.41
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	4	0.41
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	4	0.41
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	4	0.41
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	4	0.41
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	4	0.41
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	4	0.41
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	2	0.41
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	2	0.41
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	2	0.41
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	2	0.41
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	2	0.41
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	2	0.41
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	2	0.41
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	2	0.41
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	2	0.41
(1,3340)	1:161:A:VAL:HG21	1:217:A:GLN:H	8	0.41
(1,3340)	1:161:A:VAL:HG22	1:217:A:GLN:H	8	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3340)	1:161:A:VAL:HG23	1:217:A:GLN:H	8	0.41
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	12	0.41
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	10	0.41
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	10	0.41
(1,3131)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	10	0.41
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	10	0.41
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	10	0.41
(1,3131)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	10	0.41
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	10	0.41
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	10	0.41
(1,3131)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	10	0.41
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	11	0.41
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	11	0.41
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	11	0.41
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	12	0.41
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	12	0.41
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	12	0.41
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	19	0.41
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	19	0.41
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	19	0.41
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	2	0.41
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	2	0.41
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	2	0.41
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	9	0.41
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	9	0.41
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	9	0.41
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	15	0.41
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	15	0.41
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	15	0.41
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	1	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	1	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	1	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	1	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	1	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	1	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	1	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	1	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	1	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	1	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	7	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	7	0.41
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	7	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	7	0.41
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	7	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	7	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	7	0.41
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	7	0.41
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	9	0.41
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	9	0.41
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	9	0.41
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	15	0.41
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	15	0.41
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	15	0.41
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	15	0.41
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	15	0.41
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	15	0.41
(1,2804)	1:210:A:VAL:HG11	1:213:A:MET:H	7	0.41
(1,2804)	1:210:A:VAL:HG12	1:213:A:MET:H	7	0.41
(1,2804)	1:210:A:VAL:HG13	1:213:A:MET:H	7	0.41
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	2	0.41
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	2	0.41
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	2	0.41
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	18	0.41
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	9	0.41
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	3	0.41
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	1	0.41
(1,1955)	1:210:A:VAL:HG11	1:214:A:CYS:H	11	0.41
(1,1955)	1:210:A:VAL:HG12	1:214:A:CYS:H	11	0.41
(1,1955)	1:210:A:VAL:HG13	1:214:A:CYS:H	11	0.41
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	5	0.41
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	5	0.41
(1,1503)	1:129:A:MET:H	1:165:A:PRO:HD2	20	0.41
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	14	0.41
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG21	7	0.41
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG22	7	0.41
(1,1217)	1:206:A:MET:HB2	1:209:A:VAL:HG23	7	0.41
(1,1022)	1:200:A:GLU:HG3	1:204:A:LYS:HE2	4	0.41
(1,1022)	1:200:A:GLU:HG3	1:204:A:LYS:HE3	4	0.41
(1,974)	1:149:A:TYR:HA	1:152:A:GLU:HG2	17	0.41
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	14	0.41
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	14	0.41
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	14	0.41
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	20	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	3	0.41
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	6	0.41
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	4	0.41
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	4	0.41
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	4	0.41
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	4	0.41
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	4	0.41
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	4	0.41
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	2	0.41
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	2	0.41
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	2	0.41
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	2	0.41
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	2	0.41
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	2	0.41
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	2	0.41
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	2	0.41
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	2	0.41
(1,594)	1:161:A:VAL:HG21	1:217:A:GLN:H	8	0.41
(1,594)	1:161:A:VAL:HG22	1:217:A:GLN:H	8	0.41
(1,594)	1:161:A:VAL:HG23	1:217:A:GLN:H	8	0.41
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	12	0.41
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	10	0.41
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	10	0.41
(1,385)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	10	0.41
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	10	0.41
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	10	0.41
(1,385)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	10	0.41
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	10	0.41
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	10	0.41
(1,385)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	10	0.41
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	11	0.41
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	11	0.41
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	11	0.41
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	12	0.41
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	12	0.41
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	12	0.41
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	19	0.41
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	19	0.41
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	19	0.41
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	2	0.41
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	2	0.41
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	2	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	9	0.41
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	9	0.41
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	9	0.41
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	15	0.41
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	15	0.41
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	15	0.41
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	1	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	1	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	1	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	1	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	1	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	1	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	1	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	1	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	1	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	1	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	7	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	7	0.41
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	7	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	7	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	7	0.41
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	7	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	7	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	7	0.41
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	7	0.41
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	9	0.41
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	9	0.41
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	9	0.41
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	15	0.41
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	15	0.41
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	15	0.41
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	15	0.41
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	15	0.41
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	15	0.41
(1,58)	1:210:A:VAL:HG11	1:213:A:MET:H	7	0.41
(1,58)	1:210:A:VAL:HG12	1:213:A:MET:H	7	0.41
(1,58)	1:210:A:VAL:HG13	1:213:A:MET:H	7	0.41
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	2	0.41
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	2	0.41
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	2	0.41
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	12	0.4
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	12	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	2	0.4
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	2	0.4
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	2	0.4
(1,4924)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	6	0.4
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	17	0.4
(1,4317)	1:139:A:ILE:HG12	1:209:A:VAL:HA	11	0.4
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	9	0.4
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	11	0.4
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	5	0.4
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	5	0.4
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	5	0.4
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	14	0.4
(1,3768)	1:200:A:GLU:HG3	1:204:A:LYS:HE2	13	0.4
(1,3768)	1:200:A:GLU:HG3	1:204:A:LYS:HE3	13	0.4
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	16	0.4
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	16	0.4
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	16	0.4
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	12	0.4
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	10	0.4
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	10	0.4
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	10	0.4
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	16	0.4
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	1	0.4
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	1	0.4
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	1	0.4
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	5	0.4
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	5	0.4
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	5	0.4
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	11	0.4
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	11	0.4
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	11	0.4
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	17	0.4
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	17	0.4
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	17	0.4
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	13	0.4
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	13	0.4
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	13	0.4
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	14	0.4
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	14	0.4
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	14	0.4
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	14	0.4
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	14	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	14	0.4
(1,2955)	1:134:A:MET:HB2	1:216:A:THR:HB	11	0.4
(1,2950)	1:216:A:THR:HG21	1:217:A:GLN:HG2	11	0.4
(1,2950)	1:216:A:THR:HG22	1:217:A:GLN:HG2	11	0.4
(1,2950)	1:216:A:THR:HG23	1:217:A:GLN:HG2	11	0.4
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	11	0.4
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	19	0.4
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	19	0.4
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	19	0.4
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG21	2	0.4
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG22	2	0.4
(1,2836)	1:210:A:VAL:H	1:210:A:VAL:HG23	2	0.4
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	15	0.4
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	15	0.4
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	15	0.4
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	13	0.4
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	13	0.4
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	13	0.4
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	2	0.4
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	2	0.4
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	2	0.4
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG11	7	0.4
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG12	7	0.4
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG13	7	0.4
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	12	0.4
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	12	0.4
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	2	0.4
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	2	0.4
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	2	0.4
(1,2178)	1:143:A:ASN:HD22	1:146:A:GLU:HB3	6	0.4
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	17	0.4
(1,1571)	1:139:A:ILE:HG12	1:209:A:VAL:HA	11	0.4
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	9	0.4
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	11	0.4
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	5	0.4
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	5	0.4
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	5	0.4
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	14	0.4
(1,1022)	1:200:A:GLU:HG3	1:204:A:LYS:HE2	13	0.4
(1,1022)	1:200:A:GLU:HG3	1:204:A:LYS:HE3	13	0.4
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	16	0.4
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	16	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	16	0.4
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	12	0.4
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	10	0.4
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	10	0.4
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	10	0.4
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	16	0.4
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	1	0.4
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	1	0.4
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	1	0.4
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	5	0.4
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	5	0.4
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	5	0.4
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	11	0.4
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	11	0.4
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	11	0.4
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	17	0.4
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	17	0.4
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	17	0.4
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	13	0.4
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	13	0.4
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	13	0.4
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	14	0.4
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	14	0.4
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	14	0.4
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	14	0.4
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	14	0.4
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	14	0.4
(1,209)	1:134:A:MET:HB2	1:216:A:THR:HB	11	0.4
(1,204)	1:216:A:THR:HG21	1:217:A:GLN:HG2	11	0.4
(1,204)	1:216:A:THR:HG22	1:217:A:GLN:HG2	11	0.4
(1,204)	1:216:A:THR:HG23	1:217:A:GLN:HG2	11	0.4
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	11	0.4
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	19	0.4
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	19	0.4
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	19	0.4
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG21	2	0.4
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG22	2	0.4
(1,90)	1:210:A:VAL:H	1:210:A:VAL:HG23	2	0.4
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	15	0.4
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	15	0.4
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	15	0.4
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	13	0.4
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	13	0.4
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	2	0.4
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	2	0.4
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	2	0.4
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG11	7	0.4
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG12	7	0.4
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG13	7	0.4
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	18	0.39
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	18	0.39
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	13	0.39
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	13	0.39
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	15	0.39
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	15	0.39
(1,5174)	1:141:A:PHE:HB3	1:142:A:GLY:H	10	0.39
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	19	0.39
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	10	0.39
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	15	0.39
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	15	0.39
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	15	0.39
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	15	0.39
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	19	0.39
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	19	0.39
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	11	0.39
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	11	0.39
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	11	0.39
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	18	0.39
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	2	0.39
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	16	0.39
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	16	0.39
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	16	0.39
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	17	0.39
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	17	0.39
(1,3210)	1:122:A:VAL:HB	1:125:A:LEU:HB2	4	0.39
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	19	0.39
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	19	0.39
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	19	0.39
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	3	0.39
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	3	0.39
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	3	0.39
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD1	13	0.39
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	16	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	16	0.39
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	16	0.39
(1,2804)	1:210:A:VAL:HG11	1:213:A:MET:H	2	0.39
(1,2804)	1:210:A:VAL:HG12	1:213:A:MET:H	2	0.39
(1,2804)	1:210:A:VAL:HG13	1:213:A:MET:H	2	0.39
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	12	0.39
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	12	0.39
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	12	0.39
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	12	0.39
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	12	0.39
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	12	0.39
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	18	0.39
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	18	0.39
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	13	0.39
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	13	0.39
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	15	0.39
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	15	0.39
(1,2428)	1:141:A:PHE:HB3	1:142:A:GLY:H	10	0.39
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	19	0.39
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	10	0.39
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	15	0.39
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	15	0.39
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	15	0.39
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	15	0.39
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	19	0.39
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	19	0.39
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	11	0.39
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	11	0.39
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	11	0.39
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	18	0.39
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	2	0.39
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	16	0.39
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	16	0.39
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	16	0.39
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	17	0.39
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	17	0.39
(1,464)	1:122:A:VAL:HB	1:125:A:LEU:HB2	4	0.39
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	19	0.39
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	19	0.39
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	19	0.39
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	3	0.39
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	3	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	3	0.39
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD1	13	0.39
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	16	0.39
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	16	0.39
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	16	0.39
(1,58)	1:210:A:VAL:HG11	1:213:A:MET:H	2	0.39
(1,58)	1:210:A:VAL:HG12	1:213:A:MET:H	2	0.39
(1,58)	1:210:A:VAL:HG13	1:213:A:MET:H	2	0.39
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	12	0.39
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	12	0.39
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	12	0.39
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	12	0.39
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	12	0.39
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	12	0.39
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	7	0.38
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	7	0.38
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	3	0.38
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	11	0.38
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	4	0.38
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	4	0.38
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	20	0.38
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	20	0.38
(1,5246)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	12	0.38
(1,5246)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	12	0.38
(1,5199)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	4	0.38
(1,5199)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	4	0.38
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	3	0.38
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	19	0.38
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	13	0.38
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	10	0.38
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	11	0.38
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	2	0.38
(1,4583)	1:176:A:VAL:HG21	1:218:A:TYR:H	10	0.38
(1,4583)	1:176:A:VAL:HG22	1:218:A:TYR:H	10	0.38
(1,4583)	1:176:A:VAL:HG23	1:218:A:TYR:H	10	0.38
(1,4317)	1:139:A:ILE:HG12	1:209:A:VAL:HA	18	0.38
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	6	0.38
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	6	0.38
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	15	0.38
(1,3912)	1:223:A:GLN:H	1:223:A:GLN:HG2	12	0.38
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	17	0.38
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	17	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	17	0.38
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	20	0.38
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	20	0.38
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	20	0.38
(1,3721)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	8	0.38
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	20	0.38
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	1	0.38
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	1	0.38
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	1	0.38
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	2	0.38
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	2	0.38
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	2	0.38
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	9	0.38
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	9	0.38
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	9	0.38
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	10	0.38
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	9	0.38
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	9	0.38
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	9	0.38
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	9	0.38
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	9	0.38
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	9	0.38
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	9	0.38
(1,3108)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	9	0.38
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	9	0.38
(1,3108)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	9	0.38
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	9	0.38
(1,3108)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	9	0.38
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	6	0.38
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	6	0.38
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	6	0.38
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	4	0.38
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	4	0.38
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	4	0.38
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	5	0.38
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG11	17	0.38
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG12	17	0.38
(1,2931)	1:200:A:GLU:H	1:203:A:VAL:HG13	17	0.38
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	11	0.38
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	11	0.38
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	11	0.38
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	11	0.38
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	11	0.38
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	18	0.38
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	4	0.38
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	4	0.38
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	4	0.38
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	7	0.38
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	7	0.38
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	3	0.38
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	11	0.38
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	4	0.38
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	4	0.38
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	20	0.38
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	20	0.38
(1,2500)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	12	0.38
(1,2500)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	12	0.38
(1,2453)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	4	0.38
(1,2453)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	4	0.38
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	3	0.38
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	19	0.38
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	13	0.38
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	10	0.38
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	11	0.38
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	2	0.38
(1,1837)	1:176:A:VAL:HG21	1:218:A:TYR:H	10	0.38
(1,1837)	1:176:A:VAL:HG22	1:218:A:TYR:H	10	0.38
(1,1837)	1:176:A:VAL:HG23	1:218:A:TYR:H	10	0.38
(1,1571)	1:139:A:ILE:HG12	1:209:A:VAL:HA	18	0.38
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	6	0.38
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	6	0.38
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	15	0.38
(1,1166)	1:223:A:GLN:H	1:223:A:GLN:HG2	12	0.38
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	17	0.38
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	17	0.38
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	17	0.38
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	20	0.38
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	20	0.38
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	20	0.38
(1,975)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	8	0.38
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	20	0.38
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	1	0.38
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	1	0.38
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	2	0.38
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	2	0.38
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	2	0.38
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	9	0.38
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	9	0.38
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	9	0.38
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	10	0.38
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	9	0.38
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	9	0.38
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	9	0.38
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	9	0.38
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	9	0.38
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	9	0.38
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	9	0.38
(1,362)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	9	0.38
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	9	0.38
(1,362)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	9	0.38
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	9	0.38
(1,362)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	9	0.38
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	6	0.38
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	6	0.38
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	6	0.38
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	4	0.38
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	4	0.38
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	4	0.38
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	5	0.38
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG11	17	0.38
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG12	17	0.38
(1,185)	1:200:A:GLU:H	1:203:A:VAL:HG13	17	0.38
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	11	0.38
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	11	0.38
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	11	0.38
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	11	0.38
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	11	0.38
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	11	0.38
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	18	0.38
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	4	0.38
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	4	0.38
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	4	0.38
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	8	0.37
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	5	0.37
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	16	0.37
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	16	0.37
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	6	0.37
(1,4814)	1:231:A:SER:H	1:231:A:SER:HB2	13	0.37
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	20	0.37
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	18	0.37
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	14	0.37
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	14	0.37
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	3	0.37
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	14	0.37
(1,4080)	1:200:A:GLU:HG2	1:203:A:VAL:HB	20	0.37
(1,3989)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	6	0.37
(1,3989)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	6	0.37
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	8	0.37
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	5	0.37
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	4	0.37
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	16	0.37
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	16	0.37
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	16	0.37
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	16	0.37
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	16	0.37
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	16	0.37
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	16	0.37
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	16	0.37
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	16	0.37
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	9	0.37
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	20	0.37
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	12	0.37
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	12	0.37
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	12	0.37
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	18	0.37
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	18	0.37
(1,3180)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	12	0.37
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	8	0.37
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	8	0.37
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	8	0.37
(1,3081)	1:130:A:LEU:HD11	1:162:A:TYR:HA	4	0.37
(1,3081)	1:130:A:LEU:HD12	1:162:A:TYR:HA	4	0.37
(1,3081)	1:130:A:LEU:HD13	1:162:A:TYR:HA	4	0.37
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	13	0.37
(1,2910)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	5	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2910)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	5	0.37
(1,2910)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	5	0.37
(1,2910)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	5	0.37
(1,2910)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	5	0.37
(1,2910)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	5	0.37
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	7	0.37
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	7	0.37
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	7	0.37
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	7	0.37
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	7	0.37
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	7	0.37
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	18	0.37
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	18	0.37
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	18	0.37
(1,2788)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	16	0.37
(1,2788)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	16	0.37
(1,2788)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	16	0.37
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	8	0.37
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	5	0.37
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	5	0.37
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	16	0.37
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	16	0.37
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	6	0.37
(1,2068)	1:231:A:SER:H	1:231:A:SER:HB2	13	0.37
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	20	0.37
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	18	0.37
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	14	0.37
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	14	0.37
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	3	0.37
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	14	0.37
(1,1334)	1:200:A:GLU:HG2	1:203:A:VAL:HB	20	0.37
(1,1243)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	6	0.37
(1,1243)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	6	0.37
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	8	0.37
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	5	0.37
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	4	0.37
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	16	0.37
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	16	0.37
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	16	0.37
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	16	0.37
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	16	0.37
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	16	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	16	0.37
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	16	0.37
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	16	0.37
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	9	0.37
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	20	0.37
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	12	0.37
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	12	0.37
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	12	0.37
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	18	0.37
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	18	0.37
(1,434)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	12	0.37
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	8	0.37
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	8	0.37
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	8	0.37
(1,335)	1:130:A:LEU:HD11	1:162:A:TYR:HA	4	0.37
(1,335)	1:130:A:LEU:HD12	1:162:A:TYR:HA	4	0.37
(1,335)	1:130:A:LEU:HD13	1:162:A:TYR:HA	4	0.37
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	13	0.37
(1,164)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	5	0.37
(1,164)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	5	0.37
(1,164)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	5	0.37
(1,164)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	5	0.37
(1,164)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	5	0.37
(1,164)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	5	0.37
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	7	0.37
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	7	0.37
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	7	0.37
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	7	0.37
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	7	0.37
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	7	0.37
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	18	0.37
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	18	0.37
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	18	0.37
(1,42)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	16	0.37
(1,42)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	16	0.37
(1,42)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	16	0.37
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	7	0.36
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	7	0.36
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	13	0.36
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	7	0.36
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	10	0.36
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	9	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	9	0.36
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	9	0.36
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	9	0.36
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	9	0.36
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	9	0.36
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	3	0.36
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	3	0.36
(1,5174)	1:141:A:PHE:HB3	1:142:A:GLY:H	11	0.36
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	5	0.36
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	14	0.36
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	15	0.36
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	20	0.36
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	13	0.36
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	13	0.36
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	13	0.36
(1,4168)	1:183:A:THR:HB	1:184:A:ILE:HG12	9	0.36
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	10	0.36
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	20	0.36
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	6	0.36
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	5	0.36
(1,3991)	1:210:A:VAL:HA	1:213:A:MET:HG2	11	0.36
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	6	0.36
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	15	0.36
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	15	0.36
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	15	0.36
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	7	0.36
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	2	0.36
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	15	0.36
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	7	0.36
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	10	0.36
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	17	0.36
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	13	0.36
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	13	0.36
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	13	0.36
(1,3202)	1:208:A:ARG:HD3	1:209:A:VAL:H	16	0.36
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	4	0.36
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	4	0.36
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	4	0.36
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	4	0.36
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	4	0.36
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	4	0.36
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	19	0.36
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	19	0.36
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	19	0.36
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	19	0.36
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	19	0.36
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	19	0.36
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	19	0.36
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	19	0.36
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	12	0.36
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	12	0.36
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	12	0.36
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	14	0.36
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	14	0.36
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	14	0.36
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	17	0.36
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	17	0.36
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	17	0.36
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	7	0.36
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	7	0.36
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	13	0.36
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	7	0.36
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	10	0.36
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	9	0.36
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	9	0.36
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	9	0.36
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	9	0.36
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	9	0.36
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	9	0.36
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	3	0.36
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	3	0.36
(1,2428)	1:141:A:PHE:HB3	1:142:A:GLY:H	11	0.36
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	5	0.36
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	14	0.36
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	15	0.36
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	20	0.36
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	13	0.36
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	13	0.36
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	13	0.36
(1,1422)	1:183:A:THR:HB	1:184:A:ILE:HG12	9	0.36
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	10	0.36
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	20	0.36
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	5	0.36
(1,1245)	1:210:A:VAL:HA	1:213:A:MET:HG2	11	0.36
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	6	0.36
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	15	0.36
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	15	0.36
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	15	0.36
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	7	0.36
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	2	0.36
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	15	0.36
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	7	0.36
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	10	0.36
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	17	0.36
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	13	0.36
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	13	0.36
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	13	0.36
(1,456)	1:208:A:ARG:HD3	1:209:A:VAL:H	16	0.36
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	4	0.36
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	4	0.36
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	4	0.36
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	4	0.36
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	4	0.36
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	4	0.36
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	19	0.36
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	19	0.36
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	19	0.36
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	19	0.36
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	19	0.36
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	19	0.36
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	19	0.36
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	19	0.36
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	19	0.36
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	12	0.36
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	12	0.36
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	12	0.36
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	14	0.36
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	14	0.36
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	14	0.36
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	17	0.36
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	17	0.36
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	17	0.36
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	2	0.35
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	10	0.35
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	10	0.35
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	16	0.35
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	16	0.35
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	6	0.35
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	1	0.35
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	11	0.35
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	16	0.35
(1,4595)	1:148:A:ARG:H	1:149:A:TYR:HB3	3	0.35
(1,4362)	1:141:A:PHE:H	1:142:A:GLY:HA3	10	0.35
(1,4176)	1:139:A:ILE:HA	1:140:A:HIS:HB3	1	0.35
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	2	0.35
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	4	0.35
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	16	0.35
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	2	0.35
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	7	0.35
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	7	0.35
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	7	0.35
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	13	0.35
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	13	0.35
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	13	0.35
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	17	0.35
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	19	0.35
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	20	0.35
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	18	0.35
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	6	0.35
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	6	0.35
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	6	0.35
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	7	0.35
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	7	0.35
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	7	0.35
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	20	0.35
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	20	0.35
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	20	0.35
(1,2990)	1:166:A:VAL:HG11	1:167:A:ASP:H	6	0.35
(1,2990)	1:166:A:VAL:HG12	1:167:A:ASP:H	6	0.35
(1,2990)	1:166:A:VAL:HG13	1:167:A:ASP:H	6	0.35
(1,2950)	1:216:A:THR:HG21	1:217:A:GLN:HG2	17	0.35
(1,2950)	1:216:A:THR:HG22	1:217:A:GLN:HG2	17	0.35
(1,2950)	1:216:A:THR:HG23	1:217:A:GLN:HG2	17	0.35
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	3	0.35
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	3	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	3	0.35
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	18	0.35
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	18	0.35
(1,2831)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	18	0.35
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG11	7	0.35
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG12	7	0.35
(1,2809)	1:180:A:VAL:HA	1:210:A:VAL:HG13	7	0.35
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	11	0.35
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	11	0.35
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	11	0.35
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	11	0.35
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	11	0.35
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	11	0.35
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	11	0.35
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	11	0.35
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	11	0.35
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	11	0.35
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	11	0.35
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	11	0.35
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	11	0.35
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	11	0.35
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	11	0.35
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	11	0.35
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	11	0.35
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	11	0.35
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	2	0.35
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	2	0.35
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	10	0.35
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	10	0.35
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	16	0.35
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	16	0.35
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	6	0.35
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	1	0.35
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	11	0.35
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	16	0.35
(1,1849)	1:148:A:ARG:H	1:149:A:TYR:HB3	3	0.35
(1,1616)	1:141:A:PHE:H	1:142:A:GLY:HA3	10	0.35
(1,1430)	1:139:A:ILE:HA	1:140:A:HIS:HB3	1	0.35
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	2	0.35
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	4	0.35
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	16	0.35
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	2	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	7	0.35
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	7	0.35
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	7	0.35
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	13	0.35
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	13	0.35
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	13	0.35
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	17	0.35
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	19	0.35
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	20	0.35
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	18	0.35
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	6	0.35
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	6	0.35
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	6	0.35
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	7	0.35
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	7	0.35
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	7	0.35
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	20	0.35
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	20	0.35
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	20	0.35
(1,244)	1:166:A:VAL:HG11	1:167:A:ASP:H	6	0.35
(1,244)	1:166:A:VAL:HG12	1:167:A:ASP:H	6	0.35
(1,244)	1:166:A:VAL:HG13	1:167:A:ASP:H	6	0.35
(1,204)	1:216:A:THR:HG21	1:217:A:GLN:HG2	17	0.35
(1,204)	1:216:A:THR:HG22	1:217:A:GLN:HG2	17	0.35
(1,204)	1:216:A:THR:HG23	1:217:A:GLN:HG2	17	0.35
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	3	0.35
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	3	0.35
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	3	0.35
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG11	18	0.35
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG12	18	0.35
(1,85)	1:139:A:ILE:HG12	1:209:A:VAL:HG13	18	0.35
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG11	7	0.35
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG12	7	0.35
(1,63)	1:180:A:VAL:HA	1:210:A:VAL:HG13	7	0.35
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	11	0.35
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	11	0.35
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	11	0.35
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	11	0.35
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	11	0.35
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	11	0.35
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	11	0.35
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	11	0.35
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	11	0.35
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	11	0.35
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	11	0.35
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	11	0.35
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	11	0.35
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	11	0.35
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	11	0.35
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	11	0.35
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	11	0.35
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	9	0.34
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	9	0.34
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD1	14	0.34
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD2	14	0.34
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	13	0.34
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	13	0.34
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	13	0.34
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	3	0.34
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	12	0.34
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	6	0.34
(1,4694)	1:166:A:VAL:HG11	1:226:A:TYR:H	9	0.34
(1,4694)	1:166:A:VAL:HG12	1:226:A:TYR:H	9	0.34
(1,4694)	1:166:A:VAL:HG13	1:226:A:TYR:H	9	0.34
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	12	0.34
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	12	0.34
(1,4311)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	12	0.34
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	12	0.34
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	17	0.34
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	1	0.34
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	14	0.34
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	14	0.34
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	14	0.34
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	3	0.34
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	10	0.34
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	19	0.34
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	19	0.34
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	19	0.34
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	18	0.34
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	18	0.34
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	18	0.34
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	16	0.34
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	16	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	16	0.34
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	18	0.34
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	18	0.34
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	18	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	9	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	9	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	9	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	13	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	13	0.34
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	13	0.34
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	20	0.34
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	20	0.34
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	20	0.34
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	20	0.34
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	20	0.34
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	20	0.34
(1,2878)	1:126:A:GLY:HA3	1:128:A:TYR:HD1	18	0.34
(1,2878)	1:126:A:GLY:HA3	1:128:A:TYR:HD2	18	0.34
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	8	0.34
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	8	0.34
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	8	0.34
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	1	0.34
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	1	0.34
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	1	0.34
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	8	0.34
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	8	0.34
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	8	0.34
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	9	0.34
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	9	0.34
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD1	14	0.34
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD2	14	0.34
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	13	0.34
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	13	0.34
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	13	0.34
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	3	0.34
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	12	0.34
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	6	0.34
(1,1948)	1:166:A:VAL:HG11	1:226:A:TYR:H	9	0.34
(1,1948)	1:166:A:VAL:HG12	1:226:A:TYR:H	9	0.34
(1,1948)	1:166:A:VAL:HG13	1:226:A:TYR:H	9	0.34
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	12	0.34
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	12	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1565)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	12	0.34
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	12	0.34
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	17	0.34
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	1	0.34
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	14	0.34
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	14	0.34
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	14	0.34
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	3	0.34
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	10	0.34
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	19	0.34
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	19	0.34
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	19	0.34
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	18	0.34
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	18	0.34
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	18	0.34
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	16	0.34
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	16	0.34
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	16	0.34
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	18	0.34
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	18	0.34
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	18	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	9	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	9	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	9	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	13	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	13	0.34
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	13	0.34
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	20	0.34
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	20	0.34
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	20	0.34
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	20	0.34
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	20	0.34
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	20	0.34
(1,132)	1:126:A:GLY:HA3	1:128:A:TYR:HD1	18	0.34
(1,132)	1:126:A:GLY:HA3	1:128:A:TYR:HD2	18	0.34
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	8	0.34
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	8	0.34
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	8	0.34
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	1	0.34
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	1	0.34
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	1	0.34
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	8	0.34
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	8	0.34
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	1	0.33
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	6	0.33
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	6	0.33
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	6	0.33
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	6	0.33
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	6	0.33
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	6	0.33
(1,5130)	1:161:A:VAL:HG21	1:163:A:TYR:H	8	0.33
(1,5130)	1:161:A:VAL:HG22	1:163:A:TYR:H	8	0.33
(1,5130)	1:161:A:VAL:HG23	1:163:A:TYR:H	8	0.33
(1,5092)	1:171:A:ASN:HD21	1:174:A:ASN:HD21	1	0.33
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG11	19	0.33
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG12	19	0.33
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG13	19	0.33
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	20	0.33
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	7	0.33
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	11	0.33
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	4	0.33
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	8	0.33
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	12	0.33
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	4	0.33
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	5	0.33
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	7	0.33
(1,3992)	1:137:A:PRO:HG2	1:213:A:MET:HG2	11	0.33
(1,3992)	1:137:A:PRO:HG3	1:213:A:MET:HG2	11	0.33
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	17	0.33
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	3	0.33
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	3	0.33
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	3	0.33
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	9	0.33
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	9	0.33
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	9	0.33
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	14	0.33
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	1	0.33
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	10	0.33
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	9	0.33
(1,3280)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	7	0.33
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	19	0.33
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	19	0.33
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3029)	1:193:A:THR:HG21	1:194:A:LYS:HB3	2	0.33
(1,3029)	1:193:A:THR:HG22	1:194:A:LYS:HB3	2	0.33
(1,3029)	1:193:A:THR:HG23	1:194:A:LYS:HB3	2	0.33
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	12	0.33
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	12	0.33
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	12	0.33
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	4	0.33
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	4	0.33
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	4	0.33
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	15	0.33
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	15	0.33
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	15	0.33
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	10	0.33
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	10	0.33
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	10	0.33
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	10	0.33
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	10	0.33
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	10	0.33
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	10	0.33
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	10	0.33
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	10	0.33
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	15	0.33
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	15	0.33
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	15	0.33
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	15	0.33
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	15	0.33
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	15	0.33
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	15	0.33
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	15	0.33
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	15	0.33
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	15	0.33
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	15	0.33
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	15	0.33
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	15	0.33
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	15	0.33
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	15	0.33
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	15	0.33
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	15	0.33
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	15	0.33
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	13	0.33
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	13	0.33
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	13	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	17	0.33
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	17	0.33
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	17	0.33
(1,2788)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	20	0.33
(1,2788)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	20	0.33
(1,2788)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	20	0.33
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	1	0.33
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	6	0.33
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	6	0.33
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	6	0.33
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	6	0.33
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	6	0.33
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	6	0.33
(1,2384)	1:161:A:VAL:HG21	1:163:A:TYR:H	8	0.33
(1,2384)	1:161:A:VAL:HG22	1:163:A:TYR:H	8	0.33
(1,2384)	1:161:A:VAL:HG23	1:163:A:TYR:H	8	0.33
(1,2346)	1:171:A:ASN:HD21	1:174:A:ASN:HD21	1	0.33
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG11	19	0.33
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG12	19	0.33
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG13	19	0.33
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	20	0.33
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	7	0.33
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	11	0.33
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	4	0.33
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	8	0.33
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	12	0.33
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	4	0.33
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	5	0.33
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	7	0.33
(1,1246)	1:137:A:PRO:HG2	1:213:A:MET:HG2	11	0.33
(1,1246)	1:137:A:PRO:HG3	1:213:A:MET:HG2	11	0.33
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	17	0.33
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	3	0.33
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	3	0.33
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	3	0.33
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	9	0.33
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	9	0.33
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	9	0.33
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	14	0.33
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	1	0.33
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	10	0.33
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,534)	1:153:A:ASN:HB2	1:156:A:ARG:HB3	7	0.33
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	19	0.33
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	19	0.33
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	19	0.33
(1,283)	1:193:A:THR:HG21	1:194:A:LYS:HB3	2	0.33
(1,283)	1:193:A:THR:HG22	1:194:A:LYS:HB3	2	0.33
(1,283)	1:193:A:THR:HG23	1:194:A:LYS:HB3	2	0.33
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	12	0.33
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	12	0.33
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	12	0.33
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	4	0.33
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	4	0.33
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	4	0.33
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	15	0.33
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	15	0.33
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	15	0.33
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	10	0.33
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	10	0.33
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	10	0.33
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	10	0.33
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	10	0.33
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	10	0.33
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	10	0.33
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	10	0.33
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	10	0.33
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	15	0.33
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	15	0.33
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	15	0.33
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	15	0.33
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	15	0.33
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	15	0.33
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	15	0.33
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	15	0.33
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	15	0.33
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	15	0.33
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	15	0.33
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	15	0.33
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	15	0.33
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	15	0.33
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	15	0.33
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	15	0.33
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	15	0.33
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	13	0.33
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	13	0.33
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	13	0.33
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	17	0.33
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	17	0.33
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	17	0.33
(1,42)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	20	0.33
(1,42)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	20	0.33
(1,42)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	20	0.33
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	6	0.32
(1,5253)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	1	0.32
(1,5253)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	1	0.32
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	11	0.32
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	19	0.32
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	2	0.32
(1,4168)	1:183:A:THR:HB	1:184:A:ILE:HG12	16	0.32
(1,3989)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	5	0.32
(1,3989)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	5	0.32
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	9	0.32
(1,3588)	1:199:A:THR:HA	1:200:A:GLU:HB3	11	0.32
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	20	0.32
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	6	0.32
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	6	0.32
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	6	0.32
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	4	0.32
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	4	0.32
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	4	0.32
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	6	0.32
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	6	0.32
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	6	0.32
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	15	0.32
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	15	0.32
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	15	0.32
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	2	0.32
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	2	0.32
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	2	0.32
(1,3074)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	10	0.32
(1,3074)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	10	0.32
(1,3074)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	10	0.32
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	16	0.32
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	14	0.32
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	14	0.32
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	18	0.32
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	18	0.32
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	18	0.32
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	8	0.32
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	8	0.32
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	8	0.32
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	8	0.32
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	8	0.32
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	8	0.32
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	8	0.32
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	8	0.32
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	8	0.32
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	4	0.32
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	4	0.32
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	4	0.32
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	10	0.32
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	10	0.32
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	10	0.32
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	6	0.32
(1,2507)	1:162:A:TYR:HD1	1:186:A:GLN:HB3	1	0.32
(1,2507)	1:162:A:TYR:HD2	1:186:A:GLN:HB3	1	0.32
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	11	0.32
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	19	0.32
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	2	0.32
(1,1422)	1:183:A:THR:HB	1:184:A:ILE:HG12	16	0.32
(1,1243)	1:175:A:PHE:HE1	1:217:A:GLN:HG2	5	0.32
(1,1243)	1:175:A:PHE:HE2	1:217:A:GLN:HG2	5	0.32
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	9	0.32
(1,842)	1:199:A:THR:HA	1:200:A:GLU:HB3	11	0.32
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	20	0.32
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	6	0.32
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	6	0.32
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	6	0.32
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	4	0.32
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	4	0.32
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	4	0.32
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	6	0.32
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	6	0.32
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	6	0.32
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	15	0.32
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	15	0.32
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	2	0.32
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	2	0.32
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	2	0.32
(1,328)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	10	0.32
(1,328)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	10	0.32
(1,328)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	10	0.32
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	16	0.32
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	14	0.32
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	14	0.32
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	14	0.32
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	18	0.32
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	18	0.32
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	18	0.32
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	8	0.32
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	8	0.32
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	8	0.32
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	8	0.32
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	8	0.32
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	8	0.32
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	8	0.32
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	8	0.32
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	8	0.32
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	4	0.32
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	4	0.32
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	4	0.32
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	10	0.32
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	10	0.32
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	10	0.32
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	3	0.31
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	3	0.31
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	5	0.31
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	5	0.31
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	5	0.31
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	4	0.31
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	3	0.31
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	14	0.31
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	6	0.31
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	6	0.31
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	6	0.31
(1,4489)	1:165:A:PRO:HB3	1:166:A:VAL:H	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	10	0.31
(1,4249)	1:129:A:MET:H	1:165:A:PRO:HD2	14	0.31
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	11	0.31
(1,3829)	1:168:A:GLN:HA	1:225:A:TYR:HE2	7	0.31
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	8	0.31
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	8	0.31
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	8	0.31
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	16	0.31
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	16	0.31
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	16	0.31
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	16	0.31
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	16	0.31
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	16	0.31
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	9	0.31
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	10	0.31
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	10	0.31
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	10	0.31
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	20	0.31
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	18	0.31
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	18	0.31
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	18	0.31
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	20	0.31
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	20	0.31
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	20	0.31
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	9	0.31
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	9	0.31
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	9	0.31
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	14	0.31
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	5	0.31
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	5	0.31
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	5	0.31
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	17	0.31
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	17	0.31
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	17	0.31
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	16	0.31
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	16	0.31
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	16	0.31
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	5	0.31
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	5	0.31
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	5	0.31
(1,2930)	1:183:A:THR:HA	1:186:A:GLN:HB3	3	0.31
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	3	0.31
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	5	0.31
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	5	0.31
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	5	0.31
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	4	0.31
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	3	0.31
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	14	0.31
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	6	0.31
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	6	0.31
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	6	0.31
(1,1743)	1:165:A:PRO:HB3	1:166:A:VAL:H	5	0.31
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	10	0.31
(1,1503)	1:129:A:MET:H	1:165:A:PRO:HD2	14	0.31
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	11	0.31
(1,1083)	1:168:A:GLN:HA	1:225:A:TYR:HE2	7	0.31
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	8	0.31
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	8	0.31
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	8	0.31
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	16	0.31
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	16	0.31
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	16	0.31
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	16	0.31
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	16	0.31
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	16	0.31
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	9	0.31
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	10	0.31
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	10	0.31
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	10	0.31
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	20	0.31
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	18	0.31
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	18	0.31
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	18	0.31
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	20	0.31
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	20	0.31
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	20	0.31
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	9	0.31
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	9	0.31
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	9	0.31
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	14	0.31
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	5	0.31
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	5	0.31
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	5	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	17	0.31
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	17	0.31
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	17	0.31
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	16	0.31
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	16	0.31
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	16	0.31
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	5	0.31
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	5	0.31
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	5	0.31
(1,184)	1:183:A:THR:HA	1:186:A:GLN:HB3	3	0.31
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	8	0.3
(1,5246)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	4	0.3
(1,5246)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	4	0.3
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG21	12	0.3
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG22	12	0.3
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG23	12	0.3
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG21	12	0.3
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG22	12	0.3
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG23	12	0.3
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	8	0.3
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	12	0.3
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	17	0.3
(1,4765)	1:221:A:GLU:H	1:221:A:GLU:HG3	10	0.3
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	20	0.3
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	4	0.3
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	4	0.3
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	5	0.3
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	5	0.3
(1,4283)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	5	0.3
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	6	0.3
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	6	0.3
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	6	0.3
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	14	0.3
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	14	0.3
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	14	0.3
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	5	0.3
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	20	0.3
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	6	0.3
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	10	0.3
(1,3624)	1:151:A:ARG:HA	1:154:A:MET:HG2	11	0.3
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD2	15	0.3
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	15	0.3
(1,3355)	1:166:A:VAL:HB	1:170:A:SER:HB3	20	0.3
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	19	0.3
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	19	0.3
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	19	0.3
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	12	0.3
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	12	0.3
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	12	0.3
(1,3162)	1:180:A:VAL:HA	1:184:A:ILE:HG12	8	0.3
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	1	0.3
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	1	0.3
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	1	0.3
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	15	0.3
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	2	0.3
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	2	0.3
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	2	0.3
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	2	0.3
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	2	0.3
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	2	0.3
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	13	0.3
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	13	0.3
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	13	0.3
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	13	0.3
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	13	0.3
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	13	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	12	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	12	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	12	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	12	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	12	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	12	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	12	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	12	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	12	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	14	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	14	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	14	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	14	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	14	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	14	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	14	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	14	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	16	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	16	0.3
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	16	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	16	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	16	0.3
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	16	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	16	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	16	0.3
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	16	0.3
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	19	0.3
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	19	0.3
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	19	0.3
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	20	0.3
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	20	0.3
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	20	0.3
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	8	0.3
(1,2500)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	4	0.3
(1,2500)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	4	0.3
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG21	12	0.3
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG22	12	0.3
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG23	12	0.3
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG21	12	0.3
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG22	12	0.3
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG23	12	0.3
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	8	0.3
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	12	0.3
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	17	0.3
(1,2019)	1:221:A:GLU:H	1:221:A:GLU:HG3	10	0.3
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	20	0.3
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	4	0.3
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	4	0.3
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	5	0.3
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	5	0.3
(1,1537)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	5	0.3
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	6	0.3
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	6	0.3
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	6	0.3
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	14	0.3
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	14	0.3
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	14	0.3
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	20	0.3
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	6	0.3
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	10	0.3
(1,878)	1:151:A:ARG:HA	1:154:A:MET:HG2	11	0.3
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD2	15	0.3
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	8	0.3
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	15	0.3
(1,609)	1:166:A:VAL:HB	1:170:A:SER:HB3	20	0.3
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	19	0.3
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	19	0.3
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	19	0.3
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	12	0.3
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	12	0.3
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	12	0.3
(1,416)	1:180:A:VAL:HA	1:184:A:ILE:HG12	8	0.3
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	1	0.3
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	1	0.3
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	1	0.3
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	15	0.3
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	2	0.3
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	2	0.3
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	2	0.3
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	2	0.3
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	2	0.3
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	2	0.3
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	13	0.3
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	13	0.3
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	13	0.3
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	13	0.3
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	13	0.3
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	13	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	12	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	12	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	12	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	12	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	12	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	12	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	12	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	12	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	12	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	14	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	14	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	14	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	14	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	14	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	14	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	14	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	14	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	14	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	16	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	16	0.3
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	16	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	16	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	16	0.3
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	16	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	16	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	16	0.3
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	16	0.3
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	19	0.3
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	19	0.3
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	19	0.3
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	20	0.3
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	20	0.3
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	20	0.3
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	8	0.29
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	8	0.29
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	15	0.29
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	17	0.29
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	9	0.29
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	9	0.29
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	9	0.29
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	9	0.29
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	9	0.29
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	9	0.29
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG21	16	0.29
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG22	16	0.29
(1,5245)	1:175:A:PHE:HD1	1:176:A:VAL:HG23	16	0.29
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG21	16	0.29
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG22	16	0.29
(1,5245)	1:175:A:PHE:HD2	1:176:A:VAL:HG23	16	0.29
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	5	0.29
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	5	0.29
(1,4789)	1:206:A:MET:HG2	1:207:A:GLU:H	3	0.29
(1,4765)	1:221:A:GLU:H	1:221:A:GLU:HG3	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	4	0.29
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	16	0.29
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	17	0.29
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG21	9	0.29
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG22	9	0.29
(1,4013)	1:206:A:MET:HG3	1:209:A:VAL:HG23	9	0.29
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	4	0.29
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	1	0.29
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	1	0.29
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	1	0.29
(1,3713)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	7	0.29
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	20	0.29
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	16	0.29
(1,3585)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	16	0.29
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	14	0.29
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	20	0.29
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	20	0.29
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	20	0.29
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	20	0.29
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	20	0.29
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	20	0.29
(1,2990)	1:166:A:VAL:HG11	1:167:A:ASP:H	9	0.29
(1,2990)	1:166:A:VAL:HG12	1:167:A:ASP:H	9	0.29
(1,2990)	1:166:A:VAL:HG13	1:167:A:ASP:H	9	0.29
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	4	0.29
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	4	0.29
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	4	0.29
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	12	0.29
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	12	0.29
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	12	0.29
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	12	0.29
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	12	0.29
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	12	0.29
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	8	0.29
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	8	0.29
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	8	0.29
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	8	0.29
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	8	0.29
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	8	0.29
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	19	0.29
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	19	0.29
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	19	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG11	1	0.29
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG12	1	0.29
(1,2821)	1:205:A:MET:HA	1:209:A:VAL:HG13	1	0.29
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	8	0.29
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	8	0.29
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	15	0.29
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	17	0.29
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	9	0.29
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	9	0.29
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	9	0.29
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	9	0.29
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	9	0.29
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	9	0.29
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG21	16	0.29
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG22	16	0.29
(1,2499)	1:175:A:PHE:HD1	1:176:A:VAL:HG23	16	0.29
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG21	16	0.29
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG22	16	0.29
(1,2499)	1:175:A:PHE:HD2	1:176:A:VAL:HG23	16	0.29
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	5	0.29
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	5	0.29
(1,2043)	1:206:A:MET:HG2	1:207:A:GLU:H	3	0.29
(1,2019)	1:221:A:GLU:H	1:221:A:GLU:HG3	2	0.29
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	4	0.29
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	16	0.29
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	17	0.29
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG21	9	0.29
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG22	9	0.29
(1,1267)	1:206:A:MET:HG3	1:209:A:VAL:HG23	9	0.29
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	4	0.29
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	1	0.29
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	1	0.29
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	1	0.29
(1,967)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	7	0.29
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	20	0.29
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB2	16	0.29
(1,839)	1:173:A:ASN:HB2	1:174:A:ASN:HB3	16	0.29
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	14	0.29
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	20	0.29
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	20	0.29
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	20	0.29
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	20	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	20	0.29
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	20	0.29
(1,244)	1:166:A:VAL:HG11	1:167:A:ASP:H	9	0.29
(1,244)	1:166:A:VAL:HG12	1:167:A:ASP:H	9	0.29
(1,244)	1:166:A:VAL:HG13	1:167:A:ASP:H	9	0.29
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	4	0.29
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	4	0.29
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	4	0.29
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	12	0.29
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	12	0.29
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	12	0.29
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	12	0.29
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	12	0.29
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	12	0.29
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	8	0.29
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	8	0.29
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	8	0.29
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	8	0.29
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	8	0.29
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	8	0.29
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	19	0.29
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	19	0.29
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	19	0.29
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG11	1	0.29
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG12	1	0.29
(1,75)	1:205:A:MET:HA	1:209:A:VAL:HG13	1	0.29
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	16	0.28
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	16	0.28
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	8	0.28
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	13	0.28
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	13	0.28
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	18	0.28
(1,4765)	1:221:A:GLU:H	1:221:A:GLU:HG3	8	0.28
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	19	0.28
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	9	0.28
(1,4489)	1:165:A:PRO:HB3	1:166:A:VAL:H	19	0.28
(1,4166)	1:167:A:ASP:HA	1:225:A:TYR:HD1	9	0.28
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	3	0.28
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	1	0.28
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	18	0.28
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	14	0.28
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	17	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	17	0.28
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	17	0.28
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	17	0.28
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	17	0.28
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	17	0.28
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	20	0.28
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	20	0.28
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	14	0.28
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	14	0.28
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	14	0.28
(1,3107)	1:121:A:VAL:HG21	1:124:A:GLY:H	3	0.28
(1,3107)	1:121:A:VAL:HG22	1:124:A:GLY:H	3	0.28
(1,3107)	1:121:A:VAL:HG23	1:124:A:GLY:H	3	0.28
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD11	10	0.28
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD12	10	0.28
(1,3087)	1:130:A:LEU:HA	1:130:A:LEU:HD13	10	0.28
(1,2911)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	12	0.28
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	2	0.28
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	2	0.28
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	2	0.28
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	20	0.28
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	20	0.28
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	20	0.28
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	20	0.28
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	20	0.28
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	20	0.28
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	20	0.28
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	20	0.28
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	20	0.28
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	2	0.28
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	2	0.28
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	2	0.28
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	19	0.28
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	19	0.28
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	19	0.28
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	19	0.28
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	19	0.28
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	19	0.28
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	5	0.28
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	5	0.28
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	5	0.28
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	7	0.28
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	7	0.28
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	19	0.28
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	19	0.28
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	19	0.28
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	16	0.28
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	16	0.28
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	8	0.28
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	13	0.28
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	13	0.28
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	18	0.28
(1,2019)	1:221:A:GLU:H	1:221:A:GLU:HG3	8	0.28
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	19	0.28
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	9	0.28
(1,1743)	1:165:A:PRO:HB3	1:166:A:VAL:H	19	0.28
(1,1420)	1:167:A:ASP:HA	1:225:A:TYR:HD1	9	0.28
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	3	0.28
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	1	0.28
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	18	0.28
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	14	0.28
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	17	0.28
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	17	0.28
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	17	0.28
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	17	0.28
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	17	0.28
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	17	0.28
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	20	0.28
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	20	0.28
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	14	0.28
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	14	0.28
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	14	0.28
(1,361)	1:121:A:VAL:HG21	1:124:A:GLY:H	3	0.28
(1,361)	1:121:A:VAL:HG22	1:124:A:GLY:H	3	0.28
(1,361)	1:121:A:VAL:HG23	1:124:A:GLY:H	3	0.28
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD11	10	0.28
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD12	10	0.28
(1,341)	1:130:A:LEU:HA	1:130:A:LEU:HD13	10	0.28
(1,165)	1:166:A:VAL:HG22	1:225:A:TYR:HD2	12	0.28
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	2	0.28
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	2	0.28
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	2	0.28
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	20	0.28
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	20	0.28
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	20	0.28
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	20	0.28
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	20	0.28
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	20	0.28
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	20	0.28
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	20	0.28
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	2	0.28
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	2	0.28
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	2	0.28
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	19	0.28
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	19	0.28
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	19	0.28
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	19	0.28
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	19	0.28
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	19	0.28
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	5	0.28
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	5	0.28
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	5	0.28
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	7	0.28
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	7	0.28
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	7	0.28
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	19	0.28
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	19	0.28
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	19	0.28
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	11	0.27
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	11	0.27
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	9	0.27
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	10	0.27
(1,4765)	1:221:A:GLU:H	1:221:A:GLU:HG3	7	0.27
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	10	0.27
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	14	0.27
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	12	0.27
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	12	0.27
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	1	0.27
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	1	0.27
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	1	0.27
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	16	0.27
(1,4036)	1:137:A:PRO:HB3	1:213:A:MET:HG2	9	0.27
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	15	0.27
(1,3874)	1:202:A:ASP:H	1:205:A:MET:HG2	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3758)	1:200:A:GLU:HG3	1:204:A:LYS:HB2	4	0.27
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	6	0.27
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	19	0.27
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	19	0.27
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	19	0.27
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	19	0.27
(1,3413)	1:147:A:ASP:HB2	1:148:A:ARG:HA	16	0.27
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	8	0.27
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	12	0.27
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	12	0.27
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	12	0.27
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	12	0.27
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	12	0.27
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	12	0.27
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	12	0.27
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	12	0.27
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	12	0.27
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	13	0.27
(1,3233)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	13	0.27
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	11	0.27
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	11	0.27
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	11	0.27
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	13	0.27
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	13	0.27
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	13	0.27
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	13	0.27
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	13	0.27
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	13	0.27
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	11	0.27
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	11	0.27
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	9	0.27
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	10	0.27
(1,2019)	1:221:A:GLU:H	1:221:A:GLU:HG3	7	0.27
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	10	0.27
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	14	0.27
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	12	0.27
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	12	0.27
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	1	0.27
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	1	0.27
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	1	0.27
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	16	0.27
(1,1290)	1:137:A:PRO:HB3	1:213:A:MET:HG2	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	15	0.27
(1,1128)	1:202:A:ASP:H	1:205:A:MET:HG2	7	0.27
(1,1012)	1:200:A:GLU:HG3	1:204:A:LYS:HB2	4	0.27
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	6	0.27
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	19	0.27
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	19	0.27
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	19	0.27
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	19	0.27
(1,667)	1:147:A:ASP:HB2	1:148:A:ARG:HA	16	0.27
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	8	0.27
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	12	0.27
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	12	0.27
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	12	0.27
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	12	0.27
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	12	0.27
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	12	0.27
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	12	0.27
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	12	0.27
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	12	0.27
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	13	0.27
(1,487)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	13	0.27
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	11	0.27
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	11	0.27
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	11	0.27
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	13	0.27
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	13	0.27
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	13	0.27
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	13	0.27
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	13	0.27
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	13	0.27
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	5	0.26
(1,5292)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	5	0.26
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	5	0.26
(1,5292)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	5	0.26
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	5	0.26
(1,5292)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	5	0.26
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	16	0.26
(1,5174)	1:141:A:PHE:HB3	1:142:A:GLY:H	7	0.26
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	5	0.26
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	2	0.26
(1,4669)	1:204:A:LYS:H	1:204:A:LYS:HB2	14	0.26
(1,4186)	1:166:A:VAL:HB	1:221:A:GLU:HB2	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4180)	1:140:A:HIS:HB3	1:142:A:GLY:H	17	0.26
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	10	0.26
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	13	0.26
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	16	0.26
(1,3980)	1:195:A:GLY:HA2	1:196:A:GLU:HA	1	0.26
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	7	0.26
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	17	0.26
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	19	0.26
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	7	0.26
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	7	0.26
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	7	0.26
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	1	0.26
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	8	0.26
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	9	0.26
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	12	0.26
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	14	0.26
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	14	0.26
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	14	0.26
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	14	0.26
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	14	0.26
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	14	0.26
(1,3109)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	2	0.26
(1,3109)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	2	0.26
(1,3109)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	2	0.26
(1,3082)	1:130:A:LEU:HD11	1:131:A:GLY:H	17	0.26
(1,3082)	1:130:A:LEU:HD12	1:131:A:GLY:H	17	0.26
(1,3082)	1:130:A:LEU:HD13	1:131:A:GLY:H	17	0.26
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	15	0.26
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	15	0.26
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	15	0.26
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	19	0.26
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	19	0.26
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	19	0.26
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	19	0.26
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	19	0.26
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	19	0.26
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG11	11	0.26
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG12	11	0.26
(1,2803)	1:184:A:ILE:H	1:210:A:VAL:HG13	11	0.26
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	5	0.26
(1,2546)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	5	0.26
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2546)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	5	0.26
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	5	0.26
(1,2546)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	5	0.26
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	16	0.26
(1,2428)	1:141:A:PHE:HB3	1:142:A:GLY:H	7	0.26
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	5	0.26
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	2	0.26
(1,1923)	1:204:A:LYS:H	1:204:A:LYS:HB2	14	0.26
(1,1440)	1:166:A:VAL:HB	1:221:A:GLU:HB2	10	0.26
(1,1434)	1:140:A:HIS:HB3	1:142:A:GLY:H	17	0.26
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	10	0.26
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	13	0.26
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	16	0.26
(1,1234)	1:195:A:GLY:HA2	1:196:A:GLU:HA	1	0.26
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	7	0.26
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	17	0.26
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	19	0.26
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	7	0.26
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	7	0.26
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	7	0.26
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	1	0.26
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	8	0.26
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	9	0.26
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	12	0.26
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	14	0.26
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	14	0.26
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	14	0.26
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	14	0.26
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	14	0.26
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	14	0.26
(1,363)	1:121:A:VAL:HG21	1:125:A:LEU:HB2	2	0.26
(1,363)	1:121:A:VAL:HG22	1:125:A:LEU:HB2	2	0.26
(1,363)	1:121:A:VAL:HG23	1:125:A:LEU:HB2	2	0.26
(1,336)	1:130:A:LEU:HD11	1:131:A:GLY:H	17	0.26
(1,336)	1:130:A:LEU:HD12	1:131:A:GLY:H	17	0.26
(1,336)	1:130:A:LEU:HD13	1:131:A:GLY:H	17	0.26
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	15	0.26
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	15	0.26
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	15	0.26
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	19	0.26
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	19	0.26
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	19	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	19	0.26
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	19	0.26
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	19	0.26
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG11	11	0.26
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG12	11	0.26
(1,57)	1:184:A:ILE:H	1:210:A:VAL:HG13	11	0.26
(1,4993)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	15	0.25
(1,4222)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	3	0.25
(1,4036)	1:137:A:PRO:HB3	1:213:A:MET:HG2	7	0.25
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	6	0.25
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	9	0.25
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	18	0.25
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.25
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	2	0.25
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	11	0.25
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	12	0.25
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	18	0.25
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	20	0.25
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	11	0.25
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	11	0.25
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	11	0.25
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	10	0.25
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	10	0.25
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	10	0.25
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	11	0.25
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	11	0.25
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	11	0.25
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	17	0.25
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	17	0.25
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD2	1	0.25
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD2	16	0.25
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	15	0.25
(1,3444)	1:139:A:ILE:HG21	1:208:A:ARG:HD3	11	0.25
(1,3444)	1:139:A:ILE:HG22	1:208:A:ARG:HD3	11	0.25
(1,3444)	1:139:A:ILE:HG23	1:208:A:ARG:HD3	11	0.25
(1,3413)	1:147:A:ASP:HB2	1:148:A:ARG:HA	7	0.25
(1,3180)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	5	0.25
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	19	0.25
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	19	0.25
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	19	0.25
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	2	0.25
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	2	0.25
(1,3082)	1:130:A:LEU:HD11	1:131:A:GLY:H	6	0.25
(1,3082)	1:130:A:LEU:HD12	1:131:A:GLY:H	6	0.25
(1,3082)	1:130:A:LEU:HD13	1:131:A:GLY:H	6	0.25
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG11	8	0.25
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG12	8	0.25
(1,2935)	1:188:A:THR:HG21	1:203:A:VAL:HG13	8	0.25
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG11	8	0.25
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG12	8	0.25
(1,2935)	1:188:A:THR:HG22	1:203:A:VAL:HG13	8	0.25
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG11	8	0.25
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG12	8	0.25
(1,2935)	1:188:A:THR:HG23	1:203:A:VAL:HG13	8	0.25
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	19	0.25
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	15	0.25
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	15	0.25
(1,2833)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	15	0.25
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	15	0.25
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	15	0.25
(1,2833)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	15	0.25
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	15	0.25
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	15	0.25
(1,2833)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	15	0.25
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	6	0.25
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	6	0.25
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	6	0.25
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	15	0.25
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	15	0.25
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	15	0.25
(1,2247)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	15	0.25
(1,1476)	1:167:A:ASP:HB2	1:168:A:GLN:HB3	3	0.25
(1,1290)	1:137:A:PRO:HB3	1:213:A:MET:HG2	7	0.25
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	6	0.25
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	9	0.25
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	18	0.25
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.25
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	2	0.25
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	11	0.25
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	12	0.25
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	18	0.25
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	20	0.25
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	11	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	11	0.25
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	11	0.25
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	10	0.25
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	10	0.25
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	10	0.25
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	11	0.25
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	11	0.25
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	11	0.25
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	17	0.25
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	17	0.25
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD2	1	0.25
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD2	16	0.25
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	15	0.25
(1,698)	1:139:A:ILE:HG21	1:208:A:ARG:HD3	11	0.25
(1,698)	1:139:A:ILE:HG22	1:208:A:ARG:HD3	11	0.25
(1,698)	1:139:A:ILE:HG23	1:208:A:ARG:HD3	11	0.25
(1,667)	1:147:A:ASP:HB2	1:148:A:ARG:HA	7	0.25
(1,434)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	5	0.25
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	19	0.25
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	19	0.25
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	19	0.25
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	2	0.25
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	2	0.25
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	2	0.25
(1,336)	1:130:A:LEU:HD11	1:131:A:GLY:H	6	0.25
(1,336)	1:130:A:LEU:HD12	1:131:A:GLY:H	6	0.25
(1,336)	1:130:A:LEU:HD13	1:131:A:GLY:H	6	0.25
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG11	8	0.25
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG12	8	0.25
(1,189)	1:188:A:THR:HG21	1:203:A:VAL:HG13	8	0.25
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG11	8	0.25
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG12	8	0.25
(1,189)	1:188:A:THR:HG22	1:203:A:VAL:HG13	8	0.25
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG11	8	0.25
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG12	8	0.25
(1,189)	1:188:A:THR:HG23	1:203:A:VAL:HG13	8	0.25
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	19	0.25
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	15	0.25
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	15	0.25
(1,87)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	15	0.25
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	15	0.25
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	15	0.25
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	15	0.25
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	15	0.25
(1,87)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	15	0.25
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	6	0.25
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	6	0.25
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	6	0.25
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	15	0.25
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	15	0.25
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	15	0.25
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	18	0.24
(1,5246)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	2	0.24
(1,5246)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	2	0.24
(1,5224)	1:149:A:TYR:HD1	1:205:A:MET:HG2	7	0.24
(1,5224)	1:149:A:TYR:HD2	1:205:A:MET:HG2	7	0.24
(1,5174)	1:141:A:PHE:HB3	1:142:A:GLY:H	3	0.24
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	15	0.24
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	1	0.24
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	14	0.24
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	16	0.24
(1,4120)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	1	0.24
(1,4007)	1:194:A:LYS:HB3	1:196:A:GLU:H	5	0.24
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	1	0.24
(1,3992)	1:137:A:PRO:HG2	1:213:A:MET:HG2	10	0.24
(1,3992)	1:137:A:PRO:HG3	1:213:A:MET:HG2	10	0.24
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	5	0.24
(1,3829)	1:168:A:GLN:HA	1:225:A:TYR:HE1	20	0.24
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	5	0.24
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	5	0.24
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	5	0.24
(1,3809)	1:128:A:TYR:HA	1:164:A:ARG:HB3	15	0.24
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	5	0.24
(1,3632)	1:134:A:MET:HB2	1:135:A:SER:HB3	8	0.24
(1,3612)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	13	0.24
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	1	0.24
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	9	0.24
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	13	0.24
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	14	0.24
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	14	0.24
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	14	0.24
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	12	0.24
(1,3180)	1:225:A:TYR:HD2	1:229:A:ARG:HD3	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	7	0.24
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	7	0.24
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	7	0.24
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	10	0.24
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	10	0.24
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	10	0.24
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	2	0.24
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	2	0.24
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	2	0.24
(1,3004)	1:215:A:VAL:HA	1:218:A:TYR:HB2	5	0.24
(1,2950)	1:216:A:THR:HG21	1:217:A:GLN:HG2	12	0.24
(1,2950)	1:216:A:THR:HG22	1:217:A:GLN:HG2	12	0.24
(1,2950)	1:216:A:THR:HG23	1:217:A:GLN:HG2	12	0.24
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	4	0.24
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	6	0.24
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	1	0.24
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	1	0.24
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	1	0.24
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	11	0.24
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	11	0.24
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	11	0.24
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	5	0.24
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	5	0.24
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	5	0.24
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	5	0.24
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	5	0.24
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	5	0.24
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	11	0.24
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	11	0.24
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	11	0.24
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	12	0.24
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	12	0.24
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	12	0.24
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	18	0.24
(1,2500)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	2	0.24
(1,2500)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	2	0.24
(1,2478)	1:149:A:TYR:HD1	1:205:A:MET:HG2	7	0.24
(1,2478)	1:149:A:TYR:HD2	1:205:A:MET:HG2	7	0.24
(1,2428)	1:141:A:PHE:HB3	1:142:A:GLY:H	3	0.24
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	15	0.24
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	1	0.24
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	16	0.24
(1,1374)	1:164:A:ARG:HB2	1:165:A:PRO:HD3	1	0.24
(1,1261)	1:194:A:LYS:HB3	1:196:A:GLU:H	5	0.24
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	1	0.24
(1,1246)	1:137:A:PRO:HG2	1:213:A:MET:HG2	10	0.24
(1,1246)	1:137:A:PRO:HG3	1:213:A:MET:HG2	10	0.24
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	5	0.24
(1,1083)	1:168:A:GLN:HA	1:225:A:TYR:HE1	20	0.24
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	5	0.24
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	5	0.24
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	5	0.24
(1,1063)	1:128:A:TYR:HA	1:164:A:ARG:HB3	15	0.24
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	5	0.24
(1,886)	1:134:A:MET:HB2	1:135:A:SER:HB3	8	0.24
(1,866)	1:143:A:ASN:HD22	1:146:A:GLU:HG2	13	0.24
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	1	0.24
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	9	0.24
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	13	0.24
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	14	0.24
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	14	0.24
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	14	0.24
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	12	0.24
(1,434)	1:225:A:TYR:HD2	1:229:A:ARG:HD3	1	0.24
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	7	0.24
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	7	0.24
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	7	0.24
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	10	0.24
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	10	0.24
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	10	0.24
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	2	0.24
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	2	0.24
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	2	0.24
(1,258)	1:215:A:VAL:HA	1:218:A:TYR:HB2	5	0.24
(1,204)	1:216:A:THR:HG21	1:217:A:GLN:HG2	12	0.24
(1,204)	1:216:A:THR:HG22	1:217:A:GLN:HG2	12	0.24
(1,204)	1:216:A:THR:HG23	1:217:A:GLN:HG2	12	0.24
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	4	0.24
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	6	0.24
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	1	0.24
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	1	0.24
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	1	0.24
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	11	0.24
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	11	0.24
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	5	0.24
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	5	0.24
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	5	0.24
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	5	0.24
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	5	0.24
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	5	0.24
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	11	0.24
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	11	0.24
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	11	0.24
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	12	0.24
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	12	0.24
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	12	0.24
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	17	0.23
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	17	0.23
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	5	0.23
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	12	0.23
(1,5374)	1:141:A:PHE:HZ	1:208:A:ARG:HB3	14	0.23
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	11	0.23
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	11	0.23
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	16	0.23
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	16	0.23
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	16	0.23
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	16	0.23
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	16	0.23
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	16	0.23
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	16	0.23
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	16	0.23
(1,5120)	1:172:A:GLN:HE22	1:219:A:GLN:HE21	6	0.23
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	19	0.23
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	8	0.23
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	12	0.23
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	15	0.23
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	15	0.23
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	15	0.23
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	3	0.23
(1,4362)	1:141:A:PHE:H	1:142:A:GLY:HA3	6	0.23
(1,4317)	1:139:A:ILE:HG12	1:209:A:VAL:HA	6	0.23
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	7	0.23
(1,4062)	1:136:A:ARG:HA	1:136:A:ARG:HD3	9	0.23
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3946)	1:168:A:GLN:HG2	1:169:A:ALA:HA	14	0.23
(1,3928)	1:130:A:LEU:HG	1:160:A:GLN:HB2	8	0.23
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	10	0.23
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	20	0.23
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	20	0.23
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	20	0.23
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	18	0.23
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	18	0.23
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	18	0.23
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	12	0.23
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	12	0.23
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	12	0.23
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	13	0.23
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	13	0.23
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	13	0.23
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	10	0.23
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	2	0.23
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	12	0.23
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	6	0.23
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	1	0.23
(1,3403)	1:191:A:THR:HA	1:194:A:LYS:HB3	8	0.23
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	15	0.23
(1,3355)	1:166:A:VAL:HB	1:170:A:SER:HB3	14	0.23
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	19	0.23
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	19	0.23
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	19	0.23
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	19	0.23
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	19	0.23
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	19	0.23
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	19	0.23
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	19	0.23
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	19	0.23
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	16	0.23
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	16	0.23
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	16	0.23
(1,3180)	1:225:A:TYR:HD2	1:229:A:ARG:HD3	3	0.23
(1,3117)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	18	0.23
(1,3117)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	18	0.23
(1,3117)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	18	0.23
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	4	0.23
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	4	0.23
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	9	0.23
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	9	0.23
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	9	0.23
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	9	0.23
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	9	0.23
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	9	0.23
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	11	0.23
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	11	0.23
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	11	0.23
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	6	0.23
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	6	0.23
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	6	0.23
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	7	0.23
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	7	0.23
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	7	0.23
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG11	6	0.23
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG12	6	0.23
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG13	6	0.23
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	16	0.23
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	16	0.23
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	16	0.23
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	17	0.23
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	17	0.23
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	5	0.23
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	12	0.23
(1,2628)	1:141:A:PHE:HZ	1:208:A:ARG:HB3	14	0.23
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	11	0.23
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	11	0.23
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	16	0.23
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	16	0.23
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	16	0.23
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	16	0.23
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	16	0.23
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	16	0.23
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	16	0.23
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	16	0.23
(1,2374)	1:172:A:GLN:HE22	1:219:A:GLN:HE21	6	0.23
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	19	0.23
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	8	0.23
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	12	0.23
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	15	0.23
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	15	0.23
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	3	0.23
(1,1616)	1:141:A:PHE:H	1:142:A:GLY:HA3	6	0.23
(1,1571)	1:139:A:ILE:HG12	1:209:A:VAL:HA	6	0.23
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	7	0.23
(1,1316)	1:136:A:ARG:HA	1:136:A:ARG:HD3	9	0.23
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	15	0.23
(1,1200)	1:168:A:GLN:HG2	1:169:A:ALA:HA	14	0.23
(1,1182)	1:130:A:LEU:HG	1:160:A:GLN:HB2	8	0.23
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	10	0.23
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	20	0.23
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	20	0.23
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	20	0.23
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	18	0.23
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	18	0.23
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	18	0.23
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	12	0.23
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	12	0.23
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	12	0.23
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	13	0.23
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	13	0.23
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	13	0.23
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	10	0.23
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	2	0.23
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	12	0.23
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	6	0.23
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	1	0.23
(1,657)	1:191:A:THR:HA	1:194:A:LYS:HB3	8	0.23
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	15	0.23
(1,609)	1:166:A:VAL:HB	1:170:A:SER:HB3	14	0.23
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	19	0.23
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	19	0.23
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	19	0.23
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	19	0.23
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	19	0.23
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	19	0.23
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	19	0.23
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	19	0.23
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	19	0.23
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	16	0.23
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	16	0.23
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:225:A:TYR:HD2	1:229:A:ARG:HD3	3	0.23
(1,371)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	18	0.23
(1,371)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	18	0.23
(1,371)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	18	0.23
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	4	0.23
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	4	0.23
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	4	0.23
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	9	0.23
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	9	0.23
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	9	0.23
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	9	0.23
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	9	0.23
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	9	0.23
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	11	0.23
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	11	0.23
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	11	0.23
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	6	0.23
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	6	0.23
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	6	0.23
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	7	0.23
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	7	0.23
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	7	0.23
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG11	6	0.23
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG12	6	0.23
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG13	6	0.23
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	16	0.23
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	16	0.23
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	16	0.23
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	2	0.22
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	9	0.22
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	11	0.22
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	12	0.22
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	12	0.22
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	12	0.22
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	12	0.22
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	12	0.22
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	12	0.22
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	12	0.22
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	12	0.22
(1,4758)	1:170:A:SER:HB2	1:171:A:ASN:H	19	0.22
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	7	0.22
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	10	0.22
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	8	0.22
(1,4062)	1:136:A:ARG:HA	1:136:A:ARG:HD3	18	0.22
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	8	0.22
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	12	0.22
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	10	0.22
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	18	0.22
(1,3914)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	20	0.22
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	14	0.22
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	15	0.22
(1,3722)	1:148:A:ARG:HA	1:152:A:GLU:HG3	19	0.22
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	16	0.22
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	12	0.22
(1,3122)	1:209:A:VAL:HG21	1:213:A:MET:HG2	5	0.22
(1,3122)	1:209:A:VAL:HG22	1:213:A:MET:HG2	5	0.22
(1,3122)	1:209:A:VAL:HG23	1:213:A:MET:HG2	5	0.22
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	16	0.22
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	16	0.22
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	16	0.22
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	6	0.22
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	6	0.22
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	6	0.22
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG11	10	0.22
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG12	10	0.22
(1,2937)	1:202:A:ASP:H	1:203:A:VAL:HG13	10	0.22
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	7	0.22
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	7	0.22
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	7	0.22
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	7	0.22
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	7	0.22
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	7	0.22
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	7	0.22
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	7	0.22
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	7	0.22
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	20	0.22
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	20	0.22
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	20	0.22
(1,2788)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	10	0.22
(1,2788)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	10	0.22
(1,2788)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	10	0.22
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	2	0.22
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	11	0.22
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	12	0.22
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	12	0.22
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	12	0.22
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	12	0.22
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	12	0.22
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	12	0.22
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	12	0.22
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	12	0.22
(1,2012)	1:170:A:SER:HB2	1:171:A:ASN:H	19	0.22
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	7	0.22
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	10	0.22
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	10	0.22
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	8	0.22
(1,1316)	1:136:A:ARG:HA	1:136:A:ARG:HD3	18	0.22
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	8	0.22
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	12	0.22
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	10	0.22
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	18	0.22
(1,1168)	1:172:A:GLN:HG2	1:173:A:ASN:HB3	20	0.22
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	14	0.22
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	15	0.22
(1,976)	1:148:A:ARG:HA	1:152:A:GLU:HG3	19	0.22
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	16	0.22
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	12	0.22
(1,376)	1:209:A:VAL:HG21	1:213:A:MET:HG2	5	0.22
(1,376)	1:209:A:VAL:HG22	1:213:A:MET:HG2	5	0.22
(1,376)	1:209:A:VAL:HG23	1:213:A:MET:HG2	5	0.22
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	16	0.22
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	16	0.22
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	16	0.22
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	6	0.22
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	6	0.22
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	6	0.22
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG11	10	0.22
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG12	10	0.22
(1,191)	1:202:A:ASP:H	1:203:A:VAL:HG13	10	0.22
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	7	0.22
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	7	0.22
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	7	0.22
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	7	0.22
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	7	0.22
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	7	0.22
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	7	0.22
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	7	0.22
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	20	0.22
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	20	0.22
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	20	0.22
(1,42)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	10	0.22
(1,42)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	10	0.22
(1,42)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	10	0.22
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	4	0.21
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	4	0.21
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	18	0.21
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	16	0.21
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	16	0.21
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	16	0.21
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	16	0.21
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	16	0.21
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	16	0.21
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	2	0.21
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	2	0.21
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	2	0.21
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	2	0.21
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	2	0.21
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	2	0.21
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	7	0.21
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	3	0.21
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	11	0.21
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG11	2	0.21
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG12	2	0.21
(1,4939)	1:120:A:SER:H	1:121:A:VAL:HG13	2	0.21
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	10	0.21
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	13	0.21
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	20	0.21
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	2	0.21
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	4	0.21
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	8	0.21
(1,4316)	1:138:A:MET:HB2	1:139:A:ILE:HG12	2	0.21
(1,4316)	1:138:A:MET:HB3	1:139:A:ILE:HG12	2	0.21
(1,4249)	1:129:A:MET:H	1:165:A:PRO:HD2	2	0.21
(1,3994)	1:161:A:VAL:HG11	1:213:A:MET:HG2	14	0.21
(1,3994)	1:161:A:VAL:HG12	1:213:A:MET:HG2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3994)	1:161:A:VAL:HG13	1:213:A:MET:HG2	14	0.21
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	10	0.21
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	11	0.21
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	16	0.21
(1,3927)	1:133:A:ALA:HA	1:160:A:GLN:HB2	14	0.21
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	5	0.21
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	9	0.21
(1,3716)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	13	0.21
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	2	0.21
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	12	0.21
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE1	16	0.21
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE2	16	0.21
(1,3532)	1:184:A:ILE:HG13	1:206:A:MET:HE3	16	0.21
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	5	0.21
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	11	0.21
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	17	0.21
(1,3369)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	9	0.21
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	20	0.21
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	20	0.21
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	20	0.21
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	10	0.21
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	10	0.21
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	10	0.21
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	20	0.21
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	20	0.21
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	20	0.21
(1,2986)	1:131:A:GLY:HA2	1:163:A:TYR:HD1	17	0.21
(1,2986)	1:131:A:GLY:HA2	1:163:A:TYR:HD2	17	0.21
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	9	0.21
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	9	0.21
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	9	0.21
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	10	0.21
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	10	0.21
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	10	0.21
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	16	0.21
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	16	0.21
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	16	0.21
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	11	0.21
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	11	0.21
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	11	0.21
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	11	0.21
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	11	0.21
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	4	0.21
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	10	0.21
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	10	0.21
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	10	0.21
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	7	0.21
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	7	0.21
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	7	0.21
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	7	0.21
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	7	0.21
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	7	0.21
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	7	0.21
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	7	0.21
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	7	0.21
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	7	0.21
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	7	0.21
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	7	0.21
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	7	0.21
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	7	0.21
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	7	0.21
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	7	0.21
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	7	0.21
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	7	0.21
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	9	0.21
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	9	0.21
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	9	0.21
(1,2754)	1:204:A:LYS:HG2	1:205:A:MET:H	18	0.21
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	4	0.21
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	4	0.21
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	18	0.21
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	16	0.21
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	16	0.21
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	16	0.21
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	16	0.21
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	16	0.21
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	16	0.21
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	2	0.21
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	2	0.21
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	2	0.21
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	2	0.21
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	2	0.21
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	7	0.21
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	3	0.21
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	11	0.21
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG11	2	0.21
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG12	2	0.21
(1,2193)	1:120:A:SER:H	1:121:A:VAL:HG13	2	0.21
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	10	0.21
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	13	0.21
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	20	0.21
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	2	0.21
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	4	0.21
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	8	0.21
(1,1570)	1:138:A:MET:HB2	1:139:A:ILE:HG12	2	0.21
(1,1570)	1:138:A:MET:HB3	1:139:A:ILE:HG12	2	0.21
(1,1503)	1:129:A:MET:H	1:165:A:PRO:HD2	2	0.21
(1,1248)	1:161:A:VAL:HG11	1:213:A:MET:HG2	14	0.21
(1,1248)	1:161:A:VAL:HG12	1:213:A:MET:HG2	14	0.21
(1,1248)	1:161:A:VAL:HG13	1:213:A:MET:HG2	14	0.21
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	10	0.21
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	11	0.21
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	16	0.21
(1,1181)	1:133:A:ALA:HA	1:160:A:GLN:HB2	14	0.21
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	5	0.21
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	9	0.21
(1,970)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	13	0.21
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	2	0.21
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	12	0.21
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE1	16	0.21
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE2	16	0.21
(1,786)	1:184:A:ILE:HG13	1:206:A:MET:HE3	16	0.21
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	5	0.21
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	11	0.21
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	17	0.21
(1,623)	1:141:A:PHE:HB3	1:143:A:ASN:HD22	9	0.21
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	20	0.21
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	20	0.21
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	20	0.21
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	10	0.21
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	10	0.21
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	10	0.21
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	20	0.21
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	20	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	20	0.21
(1,240)	1:131:A:GLY:HA2	1:163:A:TYR:HD1	17	0.21
(1,240)	1:131:A:GLY:HA2	1:163:A:TYR:HD2	17	0.21
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	9	0.21
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	9	0.21
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	9	0.21
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	10	0.21
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	10	0.21
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	10	0.21
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	16	0.21
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	16	0.21
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	16	0.21
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	11	0.21
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	11	0.21
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	11	0.21
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	11	0.21
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	11	0.21
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	11	0.21
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	4	0.21
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	10	0.21
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	10	0.21
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	10	0.21
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	7	0.21
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	7	0.21
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	7	0.21
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	7	0.21
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	7	0.21
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	7	0.21
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	7	0.21
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	7	0.21
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	7	0.21
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	7	0.21
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	7	0.21
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	7	0.21
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	7	0.21
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	7	0.21
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	7	0.21
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	7	0.21
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	7	0.21
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	7	0.21
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	9	0.21
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	9	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	9	0.21
(1,8)	1:204:A:LYS:HG2	1:205:A:MET:H	18	0.21
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	20	0.2
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	20	0.2
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	6	0.2
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	14	0.2
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	16	0.2
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	6	0.2
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	7	0.2
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	17	0.2
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	17	0.2
(1,4285)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	17	0.2
(1,4089)	1:203:A:VAL:HB	1:207:A:GLU:HG2	5	0.2
(1,4080)	1:200:A:GLU:HG2	1:203:A:VAL:HB	7	0.2
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG21	20	0.2
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG22	20	0.2
(1,4045)	1:209:A:VAL:HB	1:210:A:VAL:HG23	20	0.2
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	17	0.2
(1,3915)	1:133:A:ALA:HB1	1:160:A:GLN:HB2	14	0.2
(1,3915)	1:133:A:ALA:HB2	1:160:A:GLN:HB2	14	0.2
(1,3915)	1:133:A:ALA:HB3	1:160:A:GLN:HB2	14	0.2
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	4	0.2
(1,3797)	1:211:A:GLU:HB2	1:211:A:GLU:HG3	15	0.2
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	15	0.2
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	15	0.2
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	15	0.2
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	7	0.2
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	15	0.2
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	3	0.2
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	4	0.2
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	17	0.2
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	17	0.2
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	17	0.2
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	18	0.2
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	18	0.2
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	18	0.2
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	14	0.2
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	14	0.2
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	14	0.2
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	2	0.2
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	2	0.2
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	4	0.2
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	4	0.2
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	4	0.2
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	13	0.2
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	13	0.2
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	13	0.2
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG21	6	0.2
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG22	6	0.2
(1,3023)	1:198:A:PHE:HB2	1:199:A:THR:HG23	6	0.2
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	2	0.2
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	2	0.2
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	2	0.2
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE1	7	0.2
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE2	7	0.2
(1,2841)	1:210:A:VAL:HG21	1:213:A:MET:HE3	7	0.2
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE1	7	0.2
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE2	7	0.2
(1,2841)	1:210:A:VAL:HG22	1:213:A:MET:HE3	7	0.2
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE1	7	0.2
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE2	7	0.2
(1,2841)	1:210:A:VAL:HG23	1:213:A:MET:HE3	7	0.2
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	4	0.2
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	4	0.2
(1,2828)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	4	0.2
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	4	0.2
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	4	0.2
(1,2828)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	4	0.2
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	4	0.2
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	4	0.2
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	4	0.2
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	4	0.2
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	4	0.2
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	4	0.2
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	4	0.2
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	4	0.2
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	4	0.2
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	4	0.2
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	4	0.2
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	4	0.2
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	4	0.2
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	4	0.2
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	4	0.2
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	4	0.2
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	4	0.2
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	18	0.2
(1,2792)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	18	0.2
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	18	0.2
(1,2792)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	18	0.2
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	18	0.2
(1,2792)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	18	0.2
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	12	0.2
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	12	0.2
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	12	0.2
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	20	0.2
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	20	0.2
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	6	0.2
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	14	0.2
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	16	0.2
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	6	0.2
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	7	0.2
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG21	17	0.2
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG22	17	0.2
(1,1539)	1:158:A:PRO:HD2	1:209:A:VAL:HG23	17	0.2
(1,1343)	1:203:A:VAL:HB	1:207:A:GLU:HG2	5	0.2
(1,1334)	1:200:A:GLU:HG2	1:203:A:VAL:HB	7	0.2
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG21	20	0.2
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG22	20	0.2
(1,1299)	1:209:A:VAL:HB	1:210:A:VAL:HG23	20	0.2
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	17	0.2
(1,1169)	1:133:A:ALA:HB1	1:160:A:GLN:HB2	14	0.2
(1,1169)	1:133:A:ALA:HB2	1:160:A:GLN:HB2	14	0.2
(1,1169)	1:133:A:ALA:HB3	1:160:A:GLN:HB2	14	0.2
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	4	0.2
(1,1051)	1:211:A:GLU:HB2	1:211:A:GLU:HG3	15	0.2
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	15	0.2
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	15	0.2
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	15	0.2
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	7	0.2
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	15	0.2
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	3	0.2
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	4	0.2
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	17	0.2
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	17	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	17	0.2
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	18	0.2
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	18	0.2
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	18	0.2
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	14	0.2
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	14	0.2
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	14	0.2
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	2	0.2
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	2	0.2
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	2	0.2
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	4	0.2
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	4	0.2
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	4	0.2
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	13	0.2
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	13	0.2
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	13	0.2
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG21	6	0.2
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG22	6	0.2
(1,277)	1:198:A:PHE:HB2	1:199:A:THR:HG23	6	0.2
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	2	0.2
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	2	0.2
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	2	0.2
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE1	7	0.2
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE2	7	0.2
(1,95)	1:210:A:VAL:HG21	1:213:A:MET:HE3	7	0.2
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE1	7	0.2
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE2	7	0.2
(1,95)	1:210:A:VAL:HG22	1:213:A:MET:HE3	7	0.2
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE1	7	0.2
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE2	7	0.2
(1,95)	1:210:A:VAL:HG23	1:213:A:MET:HE3	7	0.2
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	4	0.2
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	4	0.2
(1,82)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	4	0.2
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	4	0.2
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	4	0.2
(1,82)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	4	0.2
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	4	0.2
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	4	0.2
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	4	0.2
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	4	0.2
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	4	0.2
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	4	0.2
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	4	0.2
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	4	0.2
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	4	0.2
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	4	0.2
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	4	0.2
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	4	0.2
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	4	0.2
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	4	0.2
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	4	0.2
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	4	0.2
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	4	0.2
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE21	18	0.2
(1,46)	1:125:A:LEU:HD11	1:186:A:GLN:HE22	18	0.2
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE21	18	0.2
(1,46)	1:125:A:LEU:HD12	1:186:A:GLN:HE22	18	0.2
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE21	18	0.2
(1,46)	1:125:A:LEU:HD13	1:186:A:GLN:HE22	18	0.2
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	12	0.2
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	12	0.2
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	12	0.2
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE1	15	0.19
(1,5458)	1:170:A:SER:HB2	1:218:A:TYR:HE2	15	0.19
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	4	0.19
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	9	0.19
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	14	0.19
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	14	0.19
(1,5035)	1:160:A:GLN:H	1:160:A:GLN:HB3	9	0.19
(1,4637)	1:215:A:VAL:HG21	1:219:A:GLN:H	1	0.19
(1,4637)	1:215:A:VAL:HG22	1:219:A:GLN:H	1	0.19
(1,4637)	1:215:A:VAL:HG23	1:219:A:GLN:H	1	0.19
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	2	0.19
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	10	0.19
(1,4033)	1:227:A:ASP:HA	1:230:A:ARG:HG2	12	0.19
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	2	0.19
(1,3946)	1:168:A:GLN:HG2	1:169:A:ALA:HA	9	0.19
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	6	0.19
(1,3801)	1:208:A:ARG:HA	1:208:A:ARG:HG3	17	0.19
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	3	0.19
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	13	0.19
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	8	0.19
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	8	0.19
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	8	0.19
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	3	0.19
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	1	0.19
(1,3455)	1:134:A:MET:HB2	1:135:A:SER:HB2	2	0.19
(1,3355)	1:166:A:VAL:HB	1:170:A:SER:HB3	10	0.19
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	4	0.19
(1,3346)	1:132:A:SER:HB3	1:160:A:GLN:HG2	12	0.19
(1,3194)	1:125:A:LEU:HB3	1:128:A:TYR:HD1	4	0.19
(1,3194)	1:125:A:LEU:HB3	1:128:A:TYR:HD2	4	0.19
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	17	0.19
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	17	0.19
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	17	0.19
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	19	0.19
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	19	0.19
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	19	0.19
(1,3004)	1:215:A:VAL:HA	1:218:A:TYR:HB2	16	0.19
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	7	0.19
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	7	0.19
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	7	0.19
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	7	0.19
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	7	0.19
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	7	0.19
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG11	2	0.19
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG12	2	0.19
(1,2808)	1:183:A:THR:HA	1:210:A:VAL:HG13	2	0.19
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	9	0.19
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	9	0.19
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	9	0.19
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	9	0.19
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	9	0.19
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	9	0.19
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	9	0.19
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	9	0.19
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	9	0.19
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	9	0.19
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	9	0.19
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	9	0.19
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	9	0.19
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	9	0.19
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	9	0.19
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	9	0.19
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	9	0.19
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE1	15	0.19
(1,2712)	1:170:A:SER:HB2	1:218:A:TYR:HE2	15	0.19
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	4	0.19
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	9	0.19
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	14	0.19
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	14	0.19
(1,2289)	1:160:A:GLN:H	1:160:A:GLN:HB3	9	0.19
(1,1891)	1:215:A:VAL:HG21	1:219:A:GLN:H	1	0.19
(1,1891)	1:215:A:VAL:HG22	1:219:A:GLN:H	1	0.19
(1,1891)	1:215:A:VAL:HG23	1:219:A:GLN:H	1	0.19
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	2	0.19
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	10	0.19
(1,1287)	1:227:A:ASP:HA	1:230:A:ARG:HG2	12	0.19
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	2	0.19
(1,1200)	1:168:A:GLN:HG2	1:169:A:ALA:HA	9	0.19
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	6	0.19
(1,1055)	1:208:A:ARG:HA	1:208:A:ARG:HG3	17	0.19
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	3	0.19
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	13	0.19
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	19	0.19
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	8	0.19
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	8	0.19
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	8	0.19
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	3	0.19
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	1	0.19
(1,709)	1:134:A:MET:HB2	1:135:A:SER:HB2	2	0.19
(1,609)	1:166:A:VAL:HB	1:170:A:SER:HB3	10	0.19
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	4	0.19
(1,600)	1:132:A:SER:HB3	1:160:A:GLN:HG2	12	0.19
(1,448)	1:125:A:LEU:HB3	1:128:A:TYR:HD1	4	0.19
(1,448)	1:125:A:LEU:HB3	1:128:A:TYR:HD2	4	0.19
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	17	0.19
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	17	0.19
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	17	0.19
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	19	0.19
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	19	0.19
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	19	0.19
(1,258)	1:215:A:VAL:HA	1:218:A:TYR:HB2	16	0.19
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	7	0.19
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	7	0.19
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	7	0.19
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	7	0.19
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	7	0.19
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG11	2	0.19
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG12	2	0.19
(1,62)	1:183:A:THR:HA	1:210:A:VAL:HG13	2	0.19
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	9	0.19
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	9	0.19
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	9	0.19
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	9	0.19
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	9	0.19
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	9	0.19
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	9	0.19
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	9	0.19
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	9	0.19
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	9	0.19
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	9	0.19
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	9	0.19
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	9	0.19
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	9	0.19
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	9	0.19
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	9	0.19
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	9	0.19
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	9	0.19
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	1	0.18
(1,5472)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	1	0.18
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	19	0.18
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.18
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	12	0.18
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	12	0.18
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	12	0.18
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	9	0.18
(1,4495)	1:184:A:ILE:H	1:184:A:ILE:HG12	2	0.18
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	1	0.18
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	2	0.18
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	13	0.18
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	15	0.18
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	7	0.18
(1,4036)	1:137:A:PRO:HB3	1:213:A:MET:HG2	13	0.18
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	9	0.18
(1,3831)	1:168:A:GLN:HA	1:168:A:GLN:HB3	15	0.18
(1,3792)	1:211:A:GLU:H	1:211:A:GLU:HG2	15	0.18
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	11	0.18
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	12	0.18
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	20	0.18
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	9	0.18
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	9	0.18
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	9	0.18
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD1	9	0.18
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG21	9	0.18
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG22	9	0.18
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG23	9	0.18
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	3	0.18
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	3	0.18
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	3	0.18
(1,3090)	1:130:A:LEU:HD11	1:160:A:GLN:HB2	17	0.18
(1,3090)	1:130:A:LEU:HD12	1:160:A:GLN:HB2	17	0.18
(1,3090)	1:130:A:LEU:HD13	1:160:A:GLN:HB2	17	0.18
(1,3090)	1:130:A:LEU:HD11	1:160:A:GLN:HB3	17	0.18
(1,3090)	1:130:A:LEU:HD12	1:160:A:GLN:HB3	17	0.18
(1,3090)	1:130:A:LEU:HD13	1:160:A:GLN:HB3	17	0.18
(1,2986)	1:131:A:GLY:HA2	1:163:A:TYR:HD1	18	0.18
(1,2986)	1:131:A:GLY:HA2	1:163:A:TYR:HD2	18	0.18
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG11	14	0.18
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG12	14	0.18
(1,2923)	1:200:A:GLU:HA	1:203:A:VAL:HG13	14	0.18
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	13	0.18
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	16	0.18
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	19	0.18
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	6	0.18
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	6	0.18
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	6	0.18
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	6	0.18
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	6	0.18
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	6	0.18
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	11	0.18
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	11	0.18
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	11	0.18
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	19	0.18
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	19	0.18
(1,2842)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	13	0.18
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	13	0.18
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	13	0.18
(1,2790)	1:125:A:LEU:HD11	1:126:A:GLY:H	6	0.18
(1,2790)	1:125:A:LEU:HD12	1:126:A:GLY:H	6	0.18
(1,2790)	1:125:A:LEU:HD13	1:126:A:GLY:H	6	0.18
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE1	1	0.18
(1,2726)	1:175:A:PHE:HB3	1:218:A:TYR:HE2	1	0.18
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	19	0.18
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.18
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	12	0.18
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	12	0.18
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	12	0.18
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	9	0.18
(1,1749)	1:184:A:ILE:H	1:184:A:ILE:HG12	2	0.18
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	1	0.18
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	2	0.18
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	13	0.18
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	15	0.18
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	7	0.18
(1,1290)	1:137:A:PRO:HB3	1:213:A:MET:HG2	13	0.18
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	19	0.18
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	9	0.18
(1,1085)	1:168:A:GLN:HA	1:168:A:GLN:HB3	15	0.18
(1,1046)	1:211:A:GLU:H	1:211:A:GLU:HG2	15	0.18
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	11	0.18
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	12	0.18
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	20	0.18
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	9	0.18
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	9	0.18
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	9	0.18
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD1	9	0.18
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG21	9	0.18
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG22	9	0.18
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG23	9	0.18
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	3	0.18
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	3	0.18
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	3	0.18
(1,344)	1:130:A:LEU:HD11	1:160:A:GLN:HB2	17	0.18
(1,344)	1:130:A:LEU:HD12	1:160:A:GLN:HB2	17	0.18
(1,344)	1:130:A:LEU:HD13	1:160:A:GLN:HB2	17	0.18
(1,344)	1:130:A:LEU:HD11	1:160:A:GLN:HB3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:130:A:LEU:HD12	1:160:A:GLN:HB3	17	0.18
(1,344)	1:130:A:LEU:HD13	1:160:A:GLN:HB3	17	0.18
(1,240)	1:131:A:GLY:HA2	1:163:A:TYR:HD1	18	0.18
(1,240)	1:131:A:GLY:HA2	1:163:A:TYR:HD2	18	0.18
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG11	14	0.18
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG12	14	0.18
(1,177)	1:200:A:GLU:HA	1:203:A:VAL:HG13	14	0.18
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	13	0.18
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	16	0.18
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	19	0.18
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	6	0.18
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	6	0.18
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	6	0.18
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	6	0.18
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	6	0.18
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	6	0.18
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	11	0.18
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	11	0.18
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	11	0.18
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG21	19	0.18
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG22	19	0.18
(1,96)	1:184:A:ILE:HG12	1:210:A:VAL:HG23	19	0.18
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	13	0.18
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	13	0.18
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	13	0.18
(1,44)	1:125:A:LEU:HD11	1:126:A:GLY:H	6	0.18
(1,44)	1:125:A:LEU:HD12	1:126:A:GLY:H	6	0.18
(1,44)	1:125:A:LEU:HD13	1:126:A:GLY:H	6	0.18
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD1	8	0.17
(1,5236)	1:222:A:SER:HB2	1:226:A:TYR:HD2	8	0.17
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD1	2	0.17
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD2	2	0.17
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	1	0.17
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	1	0.17
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	1	0.17
(1,5035)	1:160:A:GLN:H	1:160:A:GLN:HB3	14	0.17
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	14	0.17
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	6	0.17
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	3	0.17
(1,4821)	1:151:A:ARG:H	1:151:A:ARG:HB3	9	0.17
(1,4489)	1:165:A:PRO:HB3	1:166:A:VAL:H	10	0.17
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	12	0.17
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	13	0.17
(1,4177)	1:217:A:GLN:HE21	1:220:A:LYS:HD2	12	0.17
(1,4177)	1:217:A:GLN:HE21	1:220:A:LYS:HD3	12	0.17
(1,4080)	1:200:A:GLU:HG2	1:203:A:VAL:HB	15	0.17
(1,4036)	1:137:A:PRO:HB3	1:213:A:MET:HG2	8	0.17
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	1	0.17
(1,3831)	1:168:A:GLN:HA	1:168:A:GLN:HB3	3	0.17
(1,3801)	1:208:A:ARG:HA	1:208:A:ARG:HG3	18	0.17
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE1	15	0.17
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE2	15	0.17
(1,3482)	1:209:A:VAL:HG21	1:213:A:MET:HE3	15	0.17
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE1	15	0.17
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE2	15	0.17
(1,3482)	1:209:A:VAL:HG22	1:213:A:MET:HE3	15	0.17
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE1	15	0.17
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE2	15	0.17
(1,3482)	1:209:A:VAL:HG23	1:213:A:MET:HE3	15	0.17
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	10	0.17
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	10	0.17
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	10	0.17
(1,3403)	1:191:A:THR:HA	1:194:A:LYS:HB3	19	0.17
(1,3281)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	10	0.17
(1,3203)	1:141:A:PHE:HE1	1:208:A:ARG:HD3	5	0.17
(1,3203)	1:141:A:PHE:HE2	1:208:A:ARG:HD3	5	0.17
(1,3148)	1:151:A:ARG:H	1:151:A:ARG:HD3	4	0.17
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	9	0.17
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	9	0.17
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	9	0.17
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	12	0.17
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	12	0.17
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	12	0.17
(1,3083)	1:130:A:LEU:HD11	1:161:A:VAL:H	19	0.17
(1,3083)	1:130:A:LEU:HD12	1:161:A:VAL:H	19	0.17
(1,3083)	1:130:A:LEU:HD13	1:161:A:VAL:H	19	0.17
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	12	0.17
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	12	0.17
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	12	0.17
(1,2984)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	7	0.17
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	6	0.17
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	15	0.17
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	9	0.17
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	9	0.17
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	9	0.17
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	9	0.17
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	9	0.17
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	13	0.17
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	4	0.17
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	4	0.17
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	4	0.17
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	7	0.17
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	7	0.17
(1,2853)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	7	0.17
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	17	0.17
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	17	0.17
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	17	0.17
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG11	14	0.17
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG12	14	0.17
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG13	14	0.17
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	2	0.17
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	2	0.17
(1,2812)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	2	0.17
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	2	0.17
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	2	0.17
(1,2812)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	2	0.17
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	2	0.17
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	2	0.17
(1,2812)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	2	0.17
(1,2804)	1:210:A:VAL:HG11	1:213:A:MET:H	20	0.17
(1,2804)	1:210:A:VAL:HG12	1:213:A:MET:H	20	0.17
(1,2804)	1:210:A:VAL:HG13	1:213:A:MET:H	20	0.17
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD1	8	0.17
(1,2490)	1:222:A:SER:HB2	1:226:A:TYR:HD2	8	0.17
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD1	2	0.17
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD2	2	0.17
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	1	0.17
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	1	0.17
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	1	0.17
(1,2289)	1:160:A:GLN:H	1:160:A:GLN:HB3	14	0.17
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	14	0.17
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	6	0.17
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	3	0.17
(1,2075)	1:151:A:ARG:H	1:151:A:ARG:HB3	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1743)	1:165:A:PRO:HB3	1:166:A:VAL:H	10	0.17
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	18	0.17
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	12	0.17
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	13	0.17
(1,1431)	1:217:A:GLN:HE21	1:220:A:LYS:HD2	12	0.17
(1,1431)	1:217:A:GLN:HE21	1:220:A:LYS:HD3	12	0.17
(1,1334)	1:200:A:GLU:HG2	1:203:A:VAL:HB	15	0.17
(1,1290)	1:137:A:PRO:HB3	1:213:A:MET:HG2	8	0.17
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	1	0.17
(1,1085)	1:168:A:GLN:HA	1:168:A:GLN:HB3	3	0.17
(1,1055)	1:208:A:ARG:HA	1:208:A:ARG:HG3	18	0.17
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE1	15	0.17
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE2	15	0.17
(1,736)	1:209:A:VAL:HG21	1:213:A:MET:HE3	15	0.17
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE1	15	0.17
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE2	15	0.17
(1,736)	1:209:A:VAL:HG22	1:213:A:MET:HE3	15	0.17
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE1	15	0.17
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE2	15	0.17
(1,736)	1:209:A:VAL:HG23	1:213:A:MET:HE3	15	0.17
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	10	0.17
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	10	0.17
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	10	0.17
(1,657)	1:191:A:THR:HA	1:194:A:LYS:HB3	19	0.17
(1,535)	1:153:A:ASN:HB2	1:156:A:ARG:HG2	10	0.17
(1,457)	1:141:A:PHE:HE1	1:208:A:ARG:HD3	5	0.17
(1,457)	1:141:A:PHE:HE2	1:208:A:ARG:HD3	5	0.17
(1,402)	1:151:A:ARG:H	1:151:A:ARG:HD3	4	0.17
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	9	0.17
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	9	0.17
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	9	0.17
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	12	0.17
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	12	0.17
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	12	0.17
(1,337)	1:130:A:LEU:HD11	1:161:A:VAL:H	19	0.17
(1,337)	1:130:A:LEU:HD12	1:161:A:VAL:H	19	0.17
(1,337)	1:130:A:LEU:HD13	1:161:A:VAL:H	19	0.17
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	12	0.17
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	12	0.17
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	12	0.17
(1,238)	1:127:A:GLY:HA2	1:164:A:ARG:HG2	7	0.17
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	15	0.17
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	9	0.17
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	9	0.17
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	9	0.17
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	9	0.17
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	9	0.17
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	9	0.17
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	13	0.17
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	4	0.17
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	4	0.17
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	4	0.17
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG11	7	0.17
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG12	7	0.17
(1,107)	1:172:A:GLN:HB3	1:215:A:VAL:HG13	7	0.17
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	17	0.17
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	17	0.17
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	17	0.17
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG11	14	0.17
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG12	14	0.17
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG13	14	0.17
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	2	0.17
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	2	0.17
(1,66)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	2	0.17
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	2	0.17
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	2	0.17
(1,66)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	2	0.17
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	2	0.17
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	2	0.17
(1,66)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	2	0.17
(1,58)	1:210:A:VAL:HG11	1:213:A:MET:H	20	0.17
(1,58)	1:210:A:VAL:HG12	1:213:A:MET:H	20	0.17
(1,58)	1:210:A:VAL:HG13	1:213:A:MET:H	20	0.17
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	15	0.16
(1,5387)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	5	0.16
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	10	0.16
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	10	0.16
(1,5246)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	9	0.16
(1,5246)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	9	0.16
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	6	0.16
(1,5240)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	6	0.16
(1,5114)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	1	0.16
(1,5112)	1:137:A:PRO:HB2	1:212:A:GLN:HE22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4966)	1:151:A:ARG:HB3	1:152:A:GLU:H	8	0.16
(1,4922)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	15	0.16
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	5	0.16
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	15	0.16
(1,4765)	1:221:A:GLU:H	1:221:A:GLU:HG3	3	0.16
(1,4759)	1:171:A:ASN:H	1:175:A:PHE:HB3	8	0.16
(1,4735)	1:178:A:ASP:H	1:178:A:ASP:HB2	7	0.16
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	12	0.16
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	3	0.16
(1,4250)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	3	0.16
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	14	0.16
(1,4154)	1:208:A:ARG:H	1:208:A:ARG:HB3	18	0.16
(1,3941)	1:134:A:MET:H	1:160:A:GLN:HB2	8	0.16
(1,3801)	1:208:A:ARG:HA	1:208:A:ARG:HG3	7	0.16
(1,3801)	1:208:A:ARG:HA	1:208:A:ARG:HG3	9	0.16
(1,3766)	1:200:A:GLU:H	1:200:A:GLU:HG3	10	0.16
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	16	0.16
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	4	0.16
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD2	3	0.16
(1,3603)	1:225:A:TYR:HA	1:225:A:TYR:HD1	12	0.16
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	13	0.16
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	2	0.16
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	2	0.16
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	2	0.16
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	7	0.16
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	7	0.16
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	7	0.16
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG21	14	0.16
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG22	14	0.16
(1,3343)	1:160:A:GLN:HA	1:161:A:VAL:HG23	14	0.16
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	2	0.16
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	2	0.16
(1,3284)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	2	0.16
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	6	0.16
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	6	0.16
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	6	0.16
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	14	0.16
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	14	0.16
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	14	0.16
(1,3082)	1:130:A:LEU:HD11	1:131:A:GLY:H	11	0.16
(1,3082)	1:130:A:LEU:HD12	1:131:A:GLY:H	11	0.16
(1,3082)	1:130:A:LEU:HD13	1:131:A:GLY:H	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	1	0.16
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	1	0.16
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	1	0.16
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	7	0.16
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	7	0.16
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	7	0.16
(1,2939)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	15	0.16
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	5	0.16
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	9	0.16
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	1	0.16
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	1	0.16
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	1	0.16
(1,2827)	1:209:A:VAL:HG11	1:213:A:MET:HG2	9	0.16
(1,2827)	1:209:A:VAL:HG12	1:213:A:MET:HG2	9	0.16
(1,2827)	1:209:A:VAL:HG13	1:213:A:MET:HG2	9	0.16
(1,2754)	1:204:A:LYS:HG2	1:205:A:MET:H	2	0.16
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	15	0.16
(1,2641)	1:145:A:TRP:HZ3	1:146:A:GLU:HG3	5	0.16
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	10	0.16
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	10	0.16
(1,2500)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	9	0.16
(1,2500)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	9	0.16
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD1	6	0.16
(1,2494)	1:223:A:GLN:HG2	1:226:A:TYR:HD2	6	0.16
(1,2368)	1:139:A:ILE:HG13	1:212:A:GLN:HE22	1	0.16
(1,2366)	1:137:A:PRO:HB2	1:212:A:GLN:HE22	8	0.16
(1,2220)	1:151:A:ARG:HB3	1:152:A:GLU:H	8	0.16
(1,2176)	1:143:A:ASN:HD22	1:146:A:GLU:HB2	15	0.16
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	5	0.16
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	15	0.16
(1,2019)	1:221:A:GLU:H	1:221:A:GLU:HG3	3	0.16
(1,2013)	1:171:A:ASN:H	1:175:A:PHE:HB3	8	0.16
(1,1989)	1:178:A:ASP:H	1:178:A:ASP:HB2	7	0.16
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	12	0.16
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	3	0.16
(1,1504)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	3	0.16
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	14	0.16
(1,1408)	1:208:A:ARG:H	1:208:A:ARG:HB3	18	0.16
(1,1195)	1:134:A:MET:H	1:160:A:GLN:HB2	8	0.16
(1,1055)	1:208:A:ARG:HA	1:208:A:ARG:HG3	7	0.16
(1,1055)	1:208:A:ARG:HA	1:208:A:ARG:HG3	9	0.16
(1,1020)	1:200:A:GLU:H	1:200:A:GLU:HG3	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	16	0.16
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	4	0.16
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD2	3	0.16
(1,857)	1:225:A:TYR:HA	1:225:A:TYR:HD1	12	0.16
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	13	0.16
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	2	0.16
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	2	0.16
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	2	0.16
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	7	0.16
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	7	0.16
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	7	0.16
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG21	14	0.16
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG22	14	0.16
(1,597)	1:160:A:GLN:HA	1:161:A:VAL:HG23	14	0.16
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	2	0.16
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	2	0.16
(1,538)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	2	0.16
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	6	0.16
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	6	0.16
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	6	0.16
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	14	0.16
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	14	0.16
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	14	0.16
(1,336)	1:130:A:LEU:HD11	1:131:A:GLY:H	11	0.16
(1,336)	1:130:A:LEU:HD12	1:131:A:GLY:H	11	0.16
(1,336)	1:130:A:LEU:HD13	1:131:A:GLY:H	11	0.16
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	1	0.16
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	1	0.16
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	1	0.16
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	7	0.16
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	7	0.16
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	7	0.16
(1,193)	1:141:A:PHE:HB3	1:142:A:GLY:HA2	15	0.16
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	5	0.16
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	9	0.16
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	1	0.16
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	1	0.16
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	1	0.16
(1,81)	1:209:A:VAL:HG11	1:213:A:MET:HG2	9	0.16
(1,81)	1:209:A:VAL:HG12	1:213:A:MET:HG2	9	0.16
(1,81)	1:209:A:VAL:HG13	1:213:A:MET:HG2	9	0.16
(1,8)	1:204:A:LYS:HG2	1:205:A:MET:H	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	1	0.15
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	7	0.15
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	4	0.15
(1,5380)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	13	0.15
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	7	0.15
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	7	0.15
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	12	0.15
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	12	0.15
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	12	0.15
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	12	0.15
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	12	0.15
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	12	0.15
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	2	0.15
(1,4325)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	19	0.15
(1,4325)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	19	0.15
(1,4304)	1:208:A:ARG:H	1:208:A:ARG:HG2	20	0.15
(1,4250)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	14	0.15
(1,4249)	1:129:A:MET:H	1:165:A:PRO:HD2	10	0.15
(1,4154)	1:208:A:ARG:H	1:208:A:ARG:HB3	11	0.15
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	13	0.15
(1,3692)	1:148:A:ARG:HA	1:151:A:ARG:HB3	12	0.15
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	6	0.15
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	9	0.15
(1,3413)	1:147:A:ASP:HB2	1:148:A:ARG:HA	8	0.15
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	2	0.15
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	2	0.15
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	2	0.15
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	2	0.15
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	2	0.15
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	2	0.15
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	20	0.15
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	20	0.15
(1,3304)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	20	0.15
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	11	0.15
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	11	0.15
(1,3121)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	11	0.15
(1,3106)	1:121:A:VAL:HG21	1:123:A:GLY:H	4	0.15
(1,3106)	1:121:A:VAL:HG22	1:123:A:GLY:H	4	0.15
(1,3106)	1:121:A:VAL:HG23	1:123:A:GLY:H	4	0.15
(1,3103)	1:122:A:VAL:HG11	1:125:A:LEU:HG	1	0.15
(1,3103)	1:122:A:VAL:HG12	1:125:A:LEU:HG	1	0.15
(1,3103)	1:122:A:VAL:HG13	1:125:A:LEU:HG	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3103)	1:122:A:VAL:HG21	1:125:A:LEU:HG	1	0.15
(1,3103)	1:122:A:VAL:HG22	1:125:A:LEU:HG	1	0.15
(1,3103)	1:122:A:VAL:HG23	1:125:A:LEU:HG	1	0.15
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	15	0.15
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	15	0.15
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	15	0.15
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	4	0.15
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	4	0.15
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	4	0.15
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	4	0.15
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	4	0.15
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	4	0.15
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	10	0.15
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	18	0.15
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	20	0.15
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	20	0.15
(1,2824)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	20	0.15
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	14	0.15
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	14	0.15
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	14	0.15
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG11	1	0.15
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG12	1	0.15
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG13	1	0.15
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG11	15	0.15
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG12	15	0.15
(1,2820)	1:136:A:ARG:HA	1:209:A:VAL:HG13	15	0.15
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	8	0.15
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	8	0.15
(1,2811)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	8	0.15
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	8	0.15
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	8	0.15
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	8	0.15
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	8	0.15
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	8	0.15
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	8	0.15
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	8	0.15
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	8	0.15
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	8	0.15
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	8	0.15
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	8	0.15
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	8	0.15
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	8	0.15
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	8	0.15
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	8	0.15
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	8	0.15
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	8	0.15
(1,2788)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	5	0.15
(1,2788)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	5	0.15
(1,2788)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	5	0.15
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	1	0.15
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	7	0.15
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	4	0.15
(1,2634)	1:143:A:ASN:HB2	1:145:A:TRP:HD1	13	0.15
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	7	0.15
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	7	0.15
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	12	0.15
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	12	0.15
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	12	0.15
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	12	0.15
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	12	0.15
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	12	0.15
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	2	0.15
(1,1579)	1:137:A:PRO:HG2	1:139:A:ILE:HG12	19	0.15
(1,1579)	1:137:A:PRO:HG3	1:139:A:ILE:HG12	19	0.15
(1,1558)	1:208:A:ARG:H	1:208:A:ARG:HG2	20	0.15
(1,1504)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	14	0.15
(1,1503)	1:129:A:MET:H	1:165:A:PRO:HD2	10	0.15
(1,1408)	1:208:A:ARG:H	1:208:A:ARG:HB3	11	0.15
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	13	0.15
(1,946)	1:148:A:ARG:HA	1:151:A:ARG:HB3	12	0.15
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	6	0.15
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	9	0.15
(1,667)	1:147:A:ASP:HB2	1:148:A:ARG:HA	8	0.15
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	2	0.15
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	2	0.15
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	2	0.15
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	2	0.15
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	2	0.15
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	2	0.15
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB1	20	0.15
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB2	20	0.15
(1,558)	1:223:A:GLN:HB2	1:224:A:ALA:HB3	20	0.15
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG21	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG22	11	0.15
(1,375)	1:157:A:TYR:HB3	1:209:A:VAL:HG23	11	0.15
(1,360)	1:121:A:VAL:HG21	1:123:A:GLY:H	4	0.15
(1,360)	1:121:A:VAL:HG22	1:123:A:GLY:H	4	0.15
(1,360)	1:121:A:VAL:HG23	1:123:A:GLY:H	4	0.15
(1,357)	1:122:A:VAL:HG11	1:125:A:LEU:HG	1	0.15
(1,357)	1:122:A:VAL:HG12	1:125:A:LEU:HG	1	0.15
(1,357)	1:122:A:VAL:HG13	1:125:A:LEU:HG	1	0.15
(1,357)	1:122:A:VAL:HG21	1:125:A:LEU:HG	1	0.15
(1,357)	1:122:A:VAL:HG22	1:125:A:LEU:HG	1	0.15
(1,357)	1:122:A:VAL:HG23	1:125:A:LEU:HG	1	0.15
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	15	0.15
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	15	0.15
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	15	0.15
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	4	0.15
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	4	0.15
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	4	0.15
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	4	0.15
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	4	0.15
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	4	0.15
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	10	0.15
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	18	0.15
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	20	0.15
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	20	0.15
(1,78)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	20	0.15
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	14	0.15
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	14	0.15
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	14	0.15
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG11	1	0.15
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG12	1	0.15
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG13	1	0.15
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG11	15	0.15
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG12	15	0.15
(1,74)	1:136:A:ARG:HA	1:209:A:VAL:HG13	15	0.15
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	8	0.15
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	8	0.15
(1,65)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	8	0.15
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	8	0.15
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	8	0.15
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	8	0.15
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	8	0.15
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	8	0.15
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	8	0.15
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	8	0.15
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	8	0.15
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	8	0.15
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	8	0.15
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	8	0.15
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	8	0.15
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	8	0.15
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	8	0.15
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	8	0.15
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	8	0.15
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	8	0.15
(1,42)	1:176:A:VAL:HG21	1:218:A:TYR:HB3	5	0.15
(1,42)	1:176:A:VAL:HG22	1:218:A:TYR:HB3	5	0.15
(1,42)	1:176:A:VAL:HG23	1:218:A:TYR:HB3	5	0.15
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	3	0.14
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	20	0.14
(1,5351)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	7	0.14
(1,5351)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	7	0.14
(1,5351)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	7	0.14
(1,5351)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	7	0.14
(1,5351)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	7	0.14
(1,5351)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	7	0.14
(1,5130)	1:161:A:VAL:HG21	1:163:A:TYR:H	9	0.14
(1,5130)	1:161:A:VAL:HG22	1:163:A:TYR:H	9	0.14
(1,5130)	1:161:A:VAL:HG23	1:163:A:TYR:H	9	0.14
(1,5036)	1:130:A:LEU:HD11	1:160:A:GLN:H	6	0.14
(1,5036)	1:130:A:LEU:HD12	1:160:A:GLN:H	6	0.14
(1,5036)	1:130:A:LEU:HD13	1:160:A:GLN:H	6	0.14
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	1	0.14
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	7	0.14
(1,4532)	1:145:A:TRP:H	1:147:A:ASP:HB3	20	0.14
(1,4362)	1:141:A:PHE:H	1:142:A:GLY:HA3	18	0.14
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	8	0.14
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	19	0.14
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	16	0.14
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	16	0.14
(1,3880)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	16	0.14
(1,3652)	1:205:A:MET:HA	1:205:A:MET:HG3	11	0.14
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	20	0.14
(1,3385)	1:153:A:ASN:HB2	1:156:A:ARG:HD3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	8	0.14
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	8	0.14
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	8	0.14
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	8	0.14
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	8	0.14
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	8	0.14
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	8	0.14
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	8	0.14
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	8	0.14
(1,3351)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	19	0.14
(1,3344)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	14	0.14
(1,3344)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	14	0.14
(1,3344)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	14	0.14
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	14	0.14
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	14	0.14
(1,3337)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	14	0.14
(1,3103)	1:122:A:VAL:HG11	1:125:A:LEU:HG	3	0.14
(1,3103)	1:122:A:VAL:HG12	1:125:A:LEU:HG	3	0.14
(1,3103)	1:122:A:VAL:HG13	1:125:A:LEU:HG	3	0.14
(1,3103)	1:122:A:VAL:HG21	1:125:A:LEU:HG	3	0.14
(1,3103)	1:122:A:VAL:HG22	1:125:A:LEU:HG	3	0.14
(1,3103)	1:122:A:VAL:HG23	1:125:A:LEU:HG	3	0.14
(1,3103)	1:122:A:VAL:HG11	1:125:A:LEU:HG	14	0.14
(1,3103)	1:122:A:VAL:HG12	1:125:A:LEU:HG	14	0.14
(1,3103)	1:122:A:VAL:HG13	1:125:A:LEU:HG	14	0.14
(1,3103)	1:122:A:VAL:HG21	1:125:A:LEU:HG	14	0.14
(1,3103)	1:122:A:VAL:HG22	1:125:A:LEU:HG	14	0.14
(1,3103)	1:122:A:VAL:HG23	1:125:A:LEU:HG	14	0.14
(1,3103)	1:122:A:VAL:HG11	1:125:A:LEU:HG	16	0.14
(1,3103)	1:122:A:VAL:HG12	1:125:A:LEU:HG	16	0.14
(1,3103)	1:122:A:VAL:HG13	1:125:A:LEU:HG	16	0.14
(1,3103)	1:122:A:VAL:HG21	1:125:A:LEU:HG	16	0.14
(1,3103)	1:122:A:VAL:HG22	1:125:A:LEU:HG	16	0.14
(1,3103)	1:122:A:VAL:HG23	1:125:A:LEU:HG	16	0.14
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	10	0.14
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	10	0.14
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	10	0.14
(1,3088)	1:130:A:LEU:HD11	1:131:A:GLY:HA3	3	0.14
(1,3088)	1:130:A:LEU:HD12	1:131:A:GLY:HA3	3	0.14
(1,3088)	1:130:A:LEU:HD13	1:131:A:GLY:HA3	3	0.14
(1,3082)	1:130:A:LEU:HD11	1:131:A:GLY:H	2	0.14
(1,3082)	1:130:A:LEU:HD12	1:131:A:GLY:H	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3082)	1:130:A:LEU:HD13	1:131:A:GLY:H	2	0.14
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	2	0.14
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	2	0.14
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	2	0.14
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	2	0.14
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	2	0.14
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	2	0.14
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	2	0.14
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	2	0.14
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	2	0.14
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	10	0.14
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	10	0.14
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	10	0.14
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	10	0.14
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	10	0.14
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	10	0.14
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	10	0.14
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	10	0.14
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	10	0.14
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	8	0.14
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	8	0.14
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	8	0.14
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	8	0.14
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	8	0.14
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	8	0.14
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	8	0.14
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	8	0.14
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	8	0.14
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG21	4	0.14
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG22	4	0.14
(1,2973)	1:130:A:LEU:HD11	1:183:A:THR:HG23	4	0.14
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG21	4	0.14
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG22	4	0.14
(1,2973)	1:130:A:LEU:HD12	1:183:A:THR:HG23	4	0.14
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG21	4	0.14
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG22	4	0.14
(1,2973)	1:130:A:LEU:HD13	1:183:A:THR:HG23	4	0.14
(1,2914)	1:166:A:VAL:HG21	1:170:A:SER:HB3	9	0.14
(1,2914)	1:166:A:VAL:HG22	1:170:A:SER:HB3	9	0.14
(1,2914)	1:166:A:VAL:HG23	1:170:A:SER:HB3	9	0.14
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	5	0.14
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	5	0.14
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	5	0.14
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	5	0.14
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	5	0.14
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	9	0.14
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	9	0.14
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	9	0.14
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	9	0.14
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	9	0.14
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	9	0.14
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	4	0.14
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	4	0.14
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	4	0.14
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	4	0.14
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	4	0.14
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	4	0.14
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	8	0.14
(1,2873)	1:161:A:VAL:HG11	1:213:A:MET:HB2	8	0.14
(1,2873)	1:161:A:VAL:HG12	1:213:A:MET:HB2	8	0.14
(1,2873)	1:161:A:VAL:HG13	1:213:A:MET:HB2	8	0.14
(1,2873)	1:161:A:VAL:HG11	1:213:A:MET:HB3	8	0.14
(1,2873)	1:161:A:VAL:HG12	1:213:A:MET:HB3	8	0.14
(1,2873)	1:161:A:VAL:HG13	1:213:A:MET:HB3	8	0.14
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	20	0.14
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	20	0.14
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	20	0.14
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG11	13	0.14
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG12	13	0.14
(1,2850)	1:212:A:GLN:HA	1:215:A:VAL:HG13	13	0.14
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	10	0.14
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	10	0.14
(1,2822)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	10	0.14
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	3	0.14
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	20	0.14
(1,2605)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	7	0.14
(1,2605)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	7	0.14
(1,2605)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	7	0.14
(1,2605)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	7	0.14
(1,2605)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	7	0.14
(1,2605)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	7	0.14
(1,2384)	1:161:A:VAL:HG21	1:163:A:TYR:H	9	0.14
(1,2384)	1:161:A:VAL:HG22	1:163:A:TYR:H	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2384)	1:161:A:VAL:HG23	1:163:A:TYR:H	9	0.14
(1,2290)	1:130:A:LEU:HD11	1:160:A:GLN:H	6	0.14
(1,2290)	1:130:A:LEU:HD12	1:160:A:GLN:H	6	0.14
(1,2290)	1:130:A:LEU:HD13	1:160:A:GLN:H	6	0.14
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	1	0.14
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	7	0.14
(1,1786)	1:145:A:TRP:H	1:147:A:ASP:HB3	20	0.14
(1,1616)	1:141:A:PHE:H	1:142:A:GLY:HA3	18	0.14
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	8	0.14
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	19	0.14
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	16	0.14
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	16	0.14
(1,1134)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	16	0.14
(1,906)	1:205:A:MET:HA	1:205:A:MET:HG3	11	0.14
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	20	0.14
(1,639)	1:153:A:ASN:HB2	1:156:A:ARG:HD3	7	0.14
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	8	0.14
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	8	0.14
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	8	0.14
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	8	0.14
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	8	0.14
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	8	0.14
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	8	0.14
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	8	0.14
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	8	0.14
(1,605)	1:198:A:PHE:HB2	1:202:A:ASP:HB2	19	0.14
(1,598)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	14	0.14
(1,598)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	14	0.14
(1,598)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	14	0.14
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG21	14	0.14
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG22	14	0.14
(1,591)	1:131:A:GLY:HA3	1:161:A:VAL:HG23	14	0.14
(1,357)	1:122:A:VAL:HG11	1:125:A:LEU:HG	3	0.14
(1,357)	1:122:A:VAL:HG12	1:125:A:LEU:HG	3	0.14
(1,357)	1:122:A:VAL:HG13	1:125:A:LEU:HG	3	0.14
(1,357)	1:122:A:VAL:HG21	1:125:A:LEU:HG	3	0.14
(1,357)	1:122:A:VAL:HG22	1:125:A:LEU:HG	3	0.14
(1,357)	1:122:A:VAL:HG23	1:125:A:LEU:HG	3	0.14
(1,357)	1:122:A:VAL:HG11	1:125:A:LEU:HG	14	0.14
(1,357)	1:122:A:VAL:HG12	1:125:A:LEU:HG	14	0.14
(1,357)	1:122:A:VAL:HG13	1:125:A:LEU:HG	14	0.14
(1,357)	1:122:A:VAL:HG21	1:125:A:LEU:HG	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,357)	1:122:A:VAL:HG22	1:125:A:LEU:HG	14	0.14
(1,357)	1:122:A:VAL:HG23	1:125:A:LEU:HG	14	0.14
(1,357)	1:122:A:VAL:HG11	1:125:A:LEU:HG	16	0.14
(1,357)	1:122:A:VAL:HG12	1:125:A:LEU:HG	16	0.14
(1,357)	1:122:A:VAL:HG13	1:125:A:LEU:HG	16	0.14
(1,357)	1:122:A:VAL:HG21	1:125:A:LEU:HG	16	0.14
(1,357)	1:122:A:VAL:HG22	1:125:A:LEU:HG	16	0.14
(1,357)	1:122:A:VAL:HG23	1:125:A:LEU:HG	16	0.14
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	10	0.14
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	10	0.14
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	10	0.14
(1,342)	1:130:A:LEU:HD11	1:131:A:GLY:HA3	3	0.14
(1,342)	1:130:A:LEU:HD12	1:131:A:GLY:HA3	3	0.14
(1,342)	1:130:A:LEU:HD13	1:131:A:GLY:HA3	3	0.14
(1,336)	1:130:A:LEU:HD11	1:131:A:GLY:H	2	0.14
(1,336)	1:130:A:LEU:HD12	1:131:A:GLY:H	2	0.14
(1,336)	1:130:A:LEU:HD13	1:131:A:GLY:H	2	0.14
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	2	0.14
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	2	0.14
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	2	0.14
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	2	0.14
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	2	0.14
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	2	0.14
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	2	0.14
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	2	0.14
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	2	0.14
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	10	0.14
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	10	0.14
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	10	0.14
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	10	0.14
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	10	0.14
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	10	0.14
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	10	0.14
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	10	0.14
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	10	0.14
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	8	0.14
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	8	0.14
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	8	0.14
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	8	0.14
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	8	0.14
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	8	0.14
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	8	0.14
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	8	0.14
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG21	4	0.14
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG22	4	0.14
(1,227)	1:130:A:LEU:HD11	1:183:A:THR:HG23	4	0.14
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG21	4	0.14
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG22	4	0.14
(1,227)	1:130:A:LEU:HD12	1:183:A:THR:HG23	4	0.14
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG21	4	0.14
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG22	4	0.14
(1,227)	1:130:A:LEU:HD13	1:183:A:THR:HG23	4	0.14
(1,168)	1:166:A:VAL:HG21	1:170:A:SER:HB3	9	0.14
(1,168)	1:166:A:VAL:HG22	1:170:A:SER:HB3	9	0.14
(1,168)	1:166:A:VAL:HG23	1:170:A:SER:HB3	9	0.14
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	5	0.14
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	5	0.14
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	5	0.14
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	5	0.14
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	5	0.14
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	5	0.14
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	9	0.14
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	9	0.14
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	9	0.14
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	9	0.14
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	9	0.14
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	9	0.14
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	4	0.14
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	4	0.14
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	4	0.14
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	4	0.14
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	4	0.14
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	4	0.14
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	8	0.14
(1,127)	1:161:A:VAL:HG11	1:213:A:MET:HB2	8	0.14
(1,127)	1:161:A:VAL:HG12	1:213:A:MET:HB2	8	0.14
(1,127)	1:161:A:VAL:HG13	1:213:A:MET:HB2	8	0.14
(1,127)	1:161:A:VAL:HG11	1:213:A:MET:HB3	8	0.14
(1,127)	1:161:A:VAL:HG12	1:213:A:MET:HB3	8	0.14
(1,127)	1:161:A:VAL:HG13	1:213:A:MET:HB3	8	0.14
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	20	0.14
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	20	0.14
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG11	13	0.14
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG12	13	0.14
(1,104)	1:212:A:GLN:HA	1:215:A:VAL:HG13	13	0.14
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	10	0.14
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	10	0.14
(1,76)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	10	0.14
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	16	0.13
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	2	0.13
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	2	0.13
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	2	0.13
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	2	0.13
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	2	0.13
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	2	0.13
(1,5229)	1:226:A:TYR:HD1	1:227:A:ASP:H	16	0.13
(1,5229)	1:226:A:TYR:HD2	1:227:A:ASP:H	16	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	3	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	3	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	3	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	8	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	8	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	8	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	11	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	11	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	11	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	16	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	16	0.13
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	16	0.13
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD11	15	0.13
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD12	15	0.13
(1,5184)	1:124:A:GLY:H	1:125:A:LEU:HD13	15	0.13
(1,5162)	1:127:A:GLY:H	1:127:A:GLY:HA2	4	0.13
(1,5118)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	10	0.13
(1,5118)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	10	0.13
(1,5118)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	10	0.13
(1,5085)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	2	0.13
(1,5035)	1:160:A:GLN:H	1:160:A:GLN:HB3	8	0.13
(1,5035)	1:160:A:GLN:H	1:160:A:GLN:HB3	15	0.13
(1,5030)	1:132:A:SER:H	1:132:A:SER:HB2	12	0.13
(1,4965)	1:152:A:GLU:H	1:152:A:GLU:HG2	18	0.13
(1,4331)	1:136:A:ARG:H	1:136:A:ARG:HB2	20	0.13
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	5	0.13
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	5	0.13
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	5	0.13
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	5	0.13
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	5	0.13
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	5	0.13
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	10	0.13
(1,4223)	1:223:A:GLN:H	1:223:A:GLN:HB3	19	0.13
(1,4008)	1:194:A:LYS:HB3	1:195:A:GLY:H	2	0.13
(1,4008)	1:194:A:LYS:HB3	1:195:A:GLY:H	17	0.13
(1,4006)	1:194:A:LYS:H	1:194:A:LYS:HB3	14	0.13
(1,3999)	1:206:A:MET:H	1:206:A:MET:HG2	8	0.13
(1,3814)	1:204:A:LYS:HA	1:207:A:GLU:HG2	2	0.13
(1,3801)	1:208:A:ARG:HA	1:208:A:ARG:HG3	6	0.13
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE1	11	0.13
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE2	11	0.13
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE3	11	0.13
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE1	11	0.13
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE2	11	0.13
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE3	11	0.13
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE1	11	0.13
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE2	11	0.13
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE3	11	0.13
(1,3467)	1:137:A:PRO:HD3	1:213:A:MET:HE1	11	0.13
(1,3467)	1:137:A:PRO:HD3	1:213:A:MET:HE2	11	0.13
(1,3467)	1:137:A:PRO:HD3	1:213:A:MET:HE3	11	0.13
(1,3462)	1:171:A:ASN:HA	1:175:A:PHE:HB3	17	0.13
(1,3460)	1:134:A:MET:HA	1:135:A:SER:HB3	11	0.13
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	3	0.13
(1,3413)	1:147:A:ASP:HB2	1:148:A:ARG:HA	15	0.13
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD2	4	0.13
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD3	4	0.13
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD2	4	0.13
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD3	4	0.13
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD2	4	0.13
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD3	4	0.13
(1,3380)	1:134:A:MET:HE1	1:217:A:GLN:HE21	7	0.13
(1,3380)	1:134:A:MET:HE2	1:217:A:GLN:HE21	7	0.13
(1,3380)	1:134:A:MET:HE3	1:217:A:GLN:HE21	7	0.13
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	11	0.13
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	11	0.13
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	11	0.13
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	11	0.13
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	11	0.13
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	11	0.13
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	11	0.13
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	11	0.13
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	17	0.13
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	17	0.13
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	17	0.13
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	17	0.13
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	17	0.13
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	17	0.13
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	17	0.13
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	17	0.13
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	17	0.13
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	18	0.13
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	18	0.13
(1,3345)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	18	0.13
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	18	0.13
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	18	0.13
(1,3345)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	18	0.13
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	18	0.13
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	18	0.13
(1,3345)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	18	0.13
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	7	0.13
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	7	0.13
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	7	0.13
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	7	0.13
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	7	0.13
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	7	0.13
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	7	0.13
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	7	0.13
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	7	0.13
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	8	0.13
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	8	0.13
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	8	0.13
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	8	0.13
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	8	0.13
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	8	0.13
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	8	0.13
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	8	0.13
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	8	0.13
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	14	0.13
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	14	0.13
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	14	0.13
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	14	0.13
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	14	0.13
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	14	0.13
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	14	0.13
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	14	0.13
(1,3103)	1:122:A:VAL:HG11	1:125:A:LEU:HG	10	0.13
(1,3103)	1:122:A:VAL:HG12	1:125:A:LEU:HG	10	0.13
(1,3103)	1:122:A:VAL:HG13	1:125:A:LEU:HG	10	0.13
(1,3103)	1:122:A:VAL:HG21	1:125:A:LEU:HG	10	0.13
(1,3103)	1:122:A:VAL:HG22	1:125:A:LEU:HG	10	0.13
(1,3103)	1:122:A:VAL:HG23	1:125:A:LEU:HG	10	0.13
(1,3101)	1:184:A:ILE:HG12	1:203:A:VAL:HG21	7	0.13
(1,3101)	1:184:A:ILE:HG12	1:203:A:VAL:HG22	7	0.13
(1,3101)	1:184:A:ILE:HG12	1:203:A:VAL:HG23	7	0.13
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	14	0.13
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	14	0.13
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	14	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	3	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	3	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	3	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	3	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	3	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	3	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	3	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	3	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	3	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	9	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	9	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	9	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	9	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	9	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	9	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	9	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	9	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	9	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	11	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	11	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	11	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	11	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	11	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	11	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	11	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	11	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	12	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	12	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	12	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	12	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	12	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	12	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	12	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	12	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	12	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	15	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	15	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	15	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	15	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	15	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	15	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	15	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	15	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	15	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	19	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	19	0.13
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	19	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	19	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	19	0.13
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	19	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	19	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	19	0.13
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	19	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	12	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	12	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	12	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	12	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	12	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	12	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	12	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	12	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	12	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	14	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	14	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	14	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	14	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	14	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	14	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	14	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	14	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	20	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	20	0.13
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	20	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	20	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	20	0.13
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	20	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	20	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	20	0.13
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	20	0.13
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	3	0.13
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	3	0.13
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	3	0.13
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	3	0.13
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	3	0.13
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	3	0.13
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	11	0.13
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	11	0.13
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	11	0.13
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	11	0.13
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	11	0.13
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	11	0.13
(1,2969)	1:183:A:THR:HG21	1:184:A:ILE:HG12	12	0.13
(1,2969)	1:183:A:THR:HG22	1:184:A:ILE:HG12	12	0.13
(1,2969)	1:183:A:THR:HG23	1:184:A:ILE:HG12	12	0.13
(1,2956)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	4	0.13
(1,2956)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	4	0.13
(1,2956)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	4	0.13
(1,2956)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	4	0.13
(1,2956)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	4	0.13
(1,2956)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	4	0.13
(1,2911)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	19	0.13
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	4	0.13
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	8	0.13
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	10	0.13
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	10	0.13
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	10	0.13
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	10	0.13
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	10	0.13
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	15	0.13
(1,2882)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	15	0.13
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	15	0.13
(1,2882)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	15	0.13
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	15	0.13
(1,2882)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	15	0.13
(1,2877)	1:126:A:GLY:HA3	1:127:A:GLY:H	6	0.13
(1,2863)	1:179:A:CYS:HB2	1:180:A:VAL:HG21	11	0.13
(1,2863)	1:179:A:CYS:HB2	1:180:A:VAL:HG22	11	0.13
(1,2863)	1:179:A:CYS:HB2	1:180:A:VAL:HG23	11	0.13
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	3	0.13
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	3	0.13
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	3	0.13
(1,2798)	1:125:A:LEU:HD11	1:162:A:TYR:HD1	10	0.13
(1,2798)	1:125:A:LEU:HD11	1:162:A:TYR:HD2	10	0.13
(1,2798)	1:125:A:LEU:HD12	1:162:A:TYR:HD1	10	0.13
(1,2798)	1:125:A:LEU:HD12	1:162:A:TYR:HD2	10	0.13
(1,2798)	1:125:A:LEU:HD13	1:162:A:TYR:HD1	10	0.13
(1,2798)	1:125:A:LEU:HD13	1:162:A:TYR:HD2	10	0.13
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	5	0.13
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	5	0.13
(1,2782)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	5	0.13
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	16	0.13
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	2	0.13
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	2	0.13
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	2	0.13
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	2	0.13
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	2	0.13
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	2	0.13
(1,2483)	1:226:A:TYR:HD1	1:227:A:ASP:H	16	0.13
(1,2483)	1:226:A:TYR:HD2	1:227:A:ASP:H	16	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	3	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	3	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	3	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	8	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	8	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	11	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	11	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	11	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	16	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	16	0.13
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	16	0.13
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD11	15	0.13
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD12	15	0.13
(1,2438)	1:124:A:GLY:H	1:125:A:LEU:HD13	15	0.13
(1,2416)	1:127:A:GLY:H	1:127:A:GLY:HA2	4	0.13
(1,2372)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	10	0.13
(1,2372)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	10	0.13
(1,2372)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	10	0.13
(1,2339)	1:177:A:HIS:HE1	1:181:A:ASN:HD22	2	0.13
(1,2289)	1:160:A:GLN:H	1:160:A:GLN:HB3	8	0.13
(1,2289)	1:160:A:GLN:H	1:160:A:GLN:HB3	15	0.13
(1,2284)	1:132:A:SER:H	1:132:A:SER:HB2	12	0.13
(1,2219)	1:152:A:GLU:H	1:152:A:GLU:HG2	18	0.13
(1,1585)	1:136:A:ARG:H	1:136:A:ARG:HB2	20	0.13
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	5	0.13
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	5	0.13
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	5	0.13
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	5	0.13
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	5	0.13
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	5	0.13
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	5	0.13
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	10	0.13
(1,1477)	1:223:A:GLN:H	1:223:A:GLN:HB3	19	0.13
(1,1262)	1:194:A:LYS:HB3	1:195:A:GLY:H	2	0.13
(1,1262)	1:194:A:LYS:HB3	1:195:A:GLY:H	17	0.13
(1,1260)	1:194:A:LYS:H	1:194:A:LYS:HB3	14	0.13
(1,1253)	1:206:A:MET:H	1:206:A:MET:HG2	8	0.13
(1,1068)	1:204:A:LYS:HA	1:207:A:GLU:HG2	2	0.13
(1,1055)	1:208:A:ARG:HA	1:208:A:ARG:HG3	6	0.13
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE1	11	0.13
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE2	11	0.13
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE3	11	0.13
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE1	11	0.13
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE2	11	0.13
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE3	11	0.13
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE1	11	0.13
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE3	11	0.13
(1,721)	1:137:A:PRO:HD3	1:213:A:MET:HE1	11	0.13
(1,721)	1:137:A:PRO:HD3	1:213:A:MET:HE2	11	0.13
(1,721)	1:137:A:PRO:HD3	1:213:A:MET:HE3	11	0.13
(1,716)	1:171:A:ASN:HA	1:175:A:PHE:HB3	17	0.13
(1,714)	1:134:A:MET:HA	1:135:A:SER:HB3	11	0.13
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	3	0.13
(1,667)	1:147:A:ASP:HB2	1:148:A:ARG:HA	15	0.13
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD2	4	0.13
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD3	4	0.13
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD2	4	0.13
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD3	4	0.13
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD2	4	0.13
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD3	4	0.13
(1,634)	1:134:A:MET:HE1	1:217:A:GLN:HE21	7	0.13
(1,634)	1:134:A:MET:HE2	1:217:A:GLN:HE21	7	0.13
(1,634)	1:134:A:MET:HE3	1:217:A:GLN:HE21	7	0.13
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	11	0.13
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	11	0.13
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	11	0.13
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	11	0.13
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	11	0.13
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	11	0.13
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	11	0.13
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	11	0.13
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	11	0.13
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	17	0.13
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	17	0.13
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	17	0.13
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	17	0.13
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	17	0.13
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	17	0.13
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	17	0.13
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	17	0.13
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	17	0.13
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	18	0.13
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	18	0.13
(1,599)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	18	0.13
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	18	0.13
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	18	0.13
(1,599)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	18	0.13
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	18	0.13
(1,599)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	18	0.13
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	7	0.13
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	7	0.13
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	7	0.13
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	7	0.13
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	7	0.13
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	7	0.13
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	7	0.13
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	7	0.13
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	7	0.13
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	8	0.13
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	8	0.13
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	8	0.13
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	8	0.13
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	8	0.13
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	8	0.13
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	8	0.13
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	8	0.13
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	8	0.13
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	14	0.13
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	14	0.13
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	14	0.13
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	14	0.13
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	14	0.13
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	14	0.13
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	14	0.13
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	14	0.13
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	14	0.13
(1,357)	1:122:A:VAL:HG11	1:125:A:LEU:HG	10	0.13
(1,357)	1:122:A:VAL:HG12	1:125:A:LEU:HG	10	0.13
(1,357)	1:122:A:VAL:HG13	1:125:A:LEU:HG	10	0.13
(1,357)	1:122:A:VAL:HG21	1:125:A:LEU:HG	10	0.13
(1,357)	1:122:A:VAL:HG22	1:125:A:LEU:HG	10	0.13
(1,357)	1:122:A:VAL:HG23	1:125:A:LEU:HG	10	0.13
(1,355)	1:184:A:ILE:HG12	1:203:A:VAL:HG21	7	0.13
(1,355)	1:184:A:ILE:HG12	1:203:A:VAL:HG22	7	0.13
(1,355)	1:184:A:ILE:HG12	1:203:A:VAL:HG23	7	0.13
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	14	0.13
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	14	0.13
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	14	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	3	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	3	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	3	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	3	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	3	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	3	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	3	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	3	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	9	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	9	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	9	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	9	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	9	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	9	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	9	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	9	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	9	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	11	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	11	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	11	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	11	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	11	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	11	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	11	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	11	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	11	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	12	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	12	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	12	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	12	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	12	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	12	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	12	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	12	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	12	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	15	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	15	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	15	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	15	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	15	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	15	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	15	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	15	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	19	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	19	0.13
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	19	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	19	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	19	0.13
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	19	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	19	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	19	0.13
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	19	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	12	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	12	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	12	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	12	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	12	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	12	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	12	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	12	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	12	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	14	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	14	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	14	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	14	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	14	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	14	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	14	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	14	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	14	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	20	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	20	0.13
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	20	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	20	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	20	0.13
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	20	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	20	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	20	0.13
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	20	0.13
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	3	0.13
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	3	0.13
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	3	0.13
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	3	0.13
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	3	0.13
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	11	0.13
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	11	0.13
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	11	0.13
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	11	0.13
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	11	0.13
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	11	0.13
(1,223)	1:183:A:THR:HG21	1:184:A:ILE:HG12	12	0.13
(1,223)	1:183:A:THR:HG22	1:184:A:ILE:HG12	12	0.13
(1,223)	1:183:A:THR:HG23	1:184:A:ILE:HG12	12	0.13
(1,210)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	4	0.13
(1,210)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	4	0.13
(1,210)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	4	0.13
(1,210)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	4	0.13
(1,210)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	4	0.13
(1,210)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	4	0.13
(1,165)	1:166:A:VAL:HG21	1:225:A:TYR:HD2	19	0.13
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	4	0.13
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	8	0.13
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	10	0.13
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	10	0.13
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	10	0.13
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	10	0.13
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	10	0.13
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	10	0.13
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD1	15	0.13
(1,136)	1:125:A:LEU:HD21	1:128:A:TYR:HD2	15	0.13
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD1	15	0.13
(1,136)	1:125:A:LEU:HD22	1:128:A:TYR:HD2	15	0.13
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD1	15	0.13
(1,136)	1:125:A:LEU:HD23	1:128:A:TYR:HD2	15	0.13
(1,131)	1:126:A:GLY:HA3	1:127:A:GLY:H	6	0.13
(1,117)	1:179:A:CYS:HB2	1:180:A:VAL:HG21	11	0.13
(1,117)	1:179:A:CYS:HB2	1:180:A:VAL:HG22	11	0.13
(1,117)	1:179:A:CYS:HB2	1:180:A:VAL:HG23	11	0.13
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	3	0.13
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	3	0.13
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	3	0.13
(1,52)	1:125:A:LEU:HD11	1:162:A:TYR:HD1	10	0.13
(1,52)	1:125:A:LEU:HD11	1:162:A:TYR:HD2	10	0.13
(1,52)	1:125:A:LEU:HD12	1:162:A:TYR:HD1	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:125:A:LEU:HD12	1:162:A:TYR:HD2	10	0.13
(1,52)	1:125:A:LEU:HD13	1:162:A:TYR:HD1	10	0.13
(1,52)	1:125:A:LEU:HD13	1:162:A:TYR:HD2	10	0.13
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG21	5	0.13
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG22	5	0.13
(1,36)	1:172:A:GLN:HE21	1:176:A:VAL:HG23	5	0.13
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	4	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	4	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	4	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	4	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	8	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	8	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	8	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	8	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	10	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	10	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	10	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	10	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	14	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	14	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	14	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	14	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	16	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	16	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	16	0.12
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	16	0.12
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	9	0.12
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	9	0.12
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	9	0.12
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	9	0.12
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	9	0.12
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	9	0.12
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	13	0.12
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	13	0.12
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	13	0.12
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	13	0.12
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	13	0.12
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	13	0.12
(1,5445)	1:128:A:TYR:HE1	1:182:A:ILE:HG21	4	0.12
(1,5445)	1:128:A:TYR:HE1	1:182:A:ILE:HG22	4	0.12
(1,5445)	1:128:A:TYR:HE1	1:182:A:ILE:HG23	4	0.12
(1,5445)	1:128:A:TYR:HE2	1:182:A:ILE:HG21	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5445)	1:128:A:TYR:HE2	1:182:A:ILE:HG22	4	0.12
(1,5445)	1:128:A:TYR:HE2	1:182:A:ILE:HG23	4	0.12
(1,5444)	1:125:A:LEU:HD21	1:128:A:TYR:HE1	3	0.12
(1,5444)	1:125:A:LEU:HD21	1:128:A:TYR:HE2	3	0.12
(1,5444)	1:125:A:LEU:HD22	1:128:A:TYR:HE1	3	0.12
(1,5444)	1:125:A:LEU:HD22	1:128:A:TYR:HE2	3	0.12
(1,5444)	1:125:A:LEU:HD23	1:128:A:TYR:HE1	3	0.12
(1,5444)	1:125:A:LEU:HD23	1:128:A:TYR:HE2	3	0.12
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	14	0.12
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	14	0.12
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	14	0.12
(1,5359)	1:196:A:GLU:HG2	1:198:A:PHE:HE1	13	0.12
(1,5359)	1:196:A:GLU:HG2	1:198:A:PHE:HE2	13	0.12
(1,5359)	1:196:A:GLU:HG3	1:198:A:PHE:HE1	13	0.12
(1,5359)	1:196:A:GLU:HG3	1:198:A:PHE:HE2	13	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	9	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	9	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	9	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	9	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	18	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	18	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	18	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	18	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	19	0.12
(1,5328)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	19	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	19	0.12
(1,5328)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	19	0.12
(1,5258)	1:225:A:TYR:HD1	1:227:A:ASP:H	6	0.12
(1,5258)	1:225:A:TYR:HD2	1:227:A:ASP:H	6	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	2	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	2	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	2	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	2	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	4	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	4	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	4	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	4	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	8	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	8	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	8	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	8	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	12	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	12	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	12	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	20	0.12
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	20	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	20	0.12
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	20	0.12
(1,5229)	1:226:A:TYR:HD1	1:227:A:ASP:H	1	0.12
(1,5229)	1:226:A:TYR:HD2	1:227:A:ASP:H	1	0.12
(1,5229)	1:226:A:TYR:HD1	1:227:A:ASP:H	9	0.12
(1,5229)	1:226:A:TYR:HD2	1:227:A:ASP:H	9	0.12
(1,5229)	1:226:A:TYR:HD1	1:227:A:ASP:H	15	0.12
(1,5229)	1:226:A:TYR:HD2	1:227:A:ASP:H	15	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	1	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	1	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	1	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	2	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	2	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	2	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	4	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	4	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	4	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	6	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	6	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	6	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	9	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	9	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	9	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	10	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	10	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	10	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	12	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	12	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	12	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	13	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	13	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	13	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	14	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	14	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	14	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	15	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	15	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	17	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	17	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	17	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	20	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	20	0.12
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	20	0.12
(1,5183)	1:122:A:VAL:HG11	1:124:A:GLY:H	14	0.12
(1,5183)	1:122:A:VAL:HG12	1:124:A:GLY:H	14	0.12
(1,5183)	1:122:A:VAL:HG13	1:124:A:GLY:H	14	0.12
(1,5183)	1:122:A:VAL:HG21	1:124:A:GLY:H	14	0.12
(1,5183)	1:122:A:VAL:HG22	1:124:A:GLY:H	14	0.12
(1,5183)	1:122:A:VAL:HG23	1:124:A:GLY:H	14	0.12
(1,5162)	1:127:A:GLY:H	1:127:A:GLY:HA2	20	0.12
(1,5030)	1:132:A:SER:H	1:132:A:SER:HB2	17	0.12
(1,4931)	1:173:A:ASN:H	1:173:A:ASN:HB3	16	0.12
(1,4897)	1:154:A:MET:HE1	1:155:A:TYR:H	12	0.12
(1,4897)	1:154:A:MET:HE2	1:155:A:TYR:H	12	0.12
(1,4897)	1:154:A:MET:HE3	1:155:A:TYR:H	12	0.12
(1,4634)	1:218:A:TYR:HB2	1:219:A:GLN:H	10	0.12
(1,4615)	1:192:A:THR:HG21	1:197:A:ASN:H	18	0.12
(1,4615)	1:192:A:THR:HG22	1:197:A:ASN:H	18	0.12
(1,4615)	1:192:A:THR:HG23	1:197:A:ASN:H	18	0.12
(1,4460)	1:169:A:ALA:H	1:170:A:SER:HB3	3	0.12
(1,4331)	1:136:A:ARG:H	1:136:A:ARG:HB2	9	0.12
(1,4196)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	3	0.12
(1,4154)	1:208:A:ARG:H	1:208:A:ARG:HB3	6	0.12
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	5	0.12
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	5	0.12
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	5	0.12
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	7	0.12
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	7	0.12
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	7	0.12
(1,3915)	1:133:A:ALA:HB1	1:160:A:GLN:HB2	9	0.12
(1,3915)	1:133:A:ALA:HB2	1:160:A:GLN:HB2	9	0.12
(1,3915)	1:133:A:ALA:HB3	1:160:A:GLN:HB2	9	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	6	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	6	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	6	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	6	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	6	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	12	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	12	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	12	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	12	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	12	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	12	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	13	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	13	0.12
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	13	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	13	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	13	0.12
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	13	0.12
(1,3814)	1:204:A:LYS:HA	1:207:A:GLU:HG2	19	0.12
(1,3795)	1:208:A:ARG:HA	1:211:A:GLU:HG3	15	0.12
(1,3647)	1:133:A:ALA:HB1	1:134:A:MET:HB3	4	0.12
(1,3647)	1:133:A:ALA:HB2	1:134:A:MET:HB3	4	0.12
(1,3647)	1:133:A:ALA:HB3	1:134:A:MET:HB3	4	0.12
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	1	0.12
(1,3595)	1:207:A:GLU:HA	1:207:A:GLU:HG3	12	0.12
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE1	18	0.12
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE2	18	0.12
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE3	18	0.12
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE1	18	0.12
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE2	18	0.12
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE3	18	0.12
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE1	18	0.12
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE2	18	0.12
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE3	18	0.12
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE1	19	0.12
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE2	19	0.12
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE3	19	0.12
(1,3459)	1:135:A:SER:H	1:135:A:SER:HB3	5	0.12
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	2	0.12
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	14	0.12
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	18	0.12
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	8	0.12
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	8	0.12
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	8	0.12
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	13	0.12
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	13	0.12
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	13	0.12
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	2	0.12
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	2	0.12
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	2	0.12
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	2	0.12
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	2	0.12
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	2	0.12
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	2	0.12
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	2	0.12
(1,3346)	1:132:A:SER:HB3	1:160:A:GLN:HG2	17	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	2	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	2	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	2	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	2	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	2	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	2	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	2	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	2	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	2	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	14	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	14	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	14	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	14	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	14	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	14	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	14	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	14	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	14	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	17	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	17	0.12
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	17	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	17	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	17	0.12
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	17	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	17	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	17	0.12
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	17	0.12
(1,3229)	1:201:A:THR:HG21	1:204:A:LYS:HE2	11	0.12
(1,3229)	1:201:A:THR:HG21	1:204:A:LYS:HE3	11	0.12
(1,3229)	1:201:A:THR:HG22	1:204:A:LYS:HE2	11	0.12
(1,3229)	1:201:A:THR:HG22	1:204:A:LYS:HE3	11	0.12
(1,3229)	1:201:A:THR:HG23	1:204:A:LYS:HE2	11	0.12
(1,3229)	1:201:A:THR:HG23	1:204:A:LYS:HE3	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3216)	1:169:A:ALA:HB1	1:170:A:SER:HA	4	0.12
(1,3216)	1:169:A:ALA:HB2	1:170:A:SER:HA	4	0.12
(1,3216)	1:169:A:ALA:HB3	1:170:A:SER:HA	4	0.12
(1,3216)	1:169:A:ALA:HB1	1:170:A:SER:HA	15	0.12
(1,3216)	1:169:A:ALA:HB2	1:170:A:SER:HA	15	0.12
(1,3216)	1:169:A:ALA:HB3	1:170:A:SER:HA	15	0.12
(1,3216)	1:169:A:ALA:HB1	1:170:A:SER:HA	17	0.12
(1,3216)	1:169:A:ALA:HB2	1:170:A:SER:HA	17	0.12
(1,3216)	1:169:A:ALA:HB3	1:170:A:SER:HA	17	0.12
(1,3216)	1:169:A:ALA:HB1	1:170:A:SER:HA	18	0.12
(1,3216)	1:169:A:ALA:HB2	1:170:A:SER:HA	18	0.12
(1,3216)	1:169:A:ALA:HB3	1:170:A:SER:HA	18	0.12
(1,3168)	1:228:A:GLY:HA2	1:230:A:ARG:HD2	4	0.12
(1,3168)	1:228:A:GLY:HA2	1:230:A:ARG:HD3	4	0.12
(1,3168)	1:228:A:GLY:HA3	1:230:A:ARG:HD2	4	0.12
(1,3168)	1:228:A:GLY:HA3	1:230:A:ARG:HD3	4	0.12
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	11	0.12
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	11	0.12
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	11	0.12
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	11	0.12
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	19	0.12
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	19	0.12
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	19	0.12
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	19	0.12
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	1	0.12
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	1	0.12
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	1	0.12
(1,3097)	1:203:A:VAL:HG21	1:204:A:LYS:H	1	0.12
(1,3097)	1:203:A:VAL:HG22	1:204:A:LYS:H	1	0.12
(1,3097)	1:203:A:VAL:HG23	1:204:A:LYS:H	1	0.12
(1,3096)	1:122:A:VAL:HG11	1:125:A:LEU:H	2	0.12
(1,3096)	1:122:A:VAL:HG12	1:125:A:LEU:H	2	0.12
(1,3096)	1:122:A:VAL:HG13	1:125:A:LEU:H	2	0.12
(1,3096)	1:122:A:VAL:HG21	1:125:A:LEU:H	2	0.12
(1,3096)	1:122:A:VAL:HG22	1:125:A:LEU:H	2	0.12
(1,3096)	1:122:A:VAL:HG23	1:125:A:LEU:H	2	0.12
(1,3096)	1:122:A:VAL:HG11	1:125:A:LEU:H	20	0.12
(1,3096)	1:122:A:VAL:HG12	1:125:A:LEU:H	20	0.12
(1,3096)	1:122:A:VAL:HG13	1:125:A:LEU:H	20	0.12
(1,3096)	1:122:A:VAL:HG21	1:125:A:LEU:H	20	0.12
(1,3096)	1:122:A:VAL:HG22	1:125:A:LEU:H	20	0.12
(1,3096)	1:122:A:VAL:HG23	1:125:A:LEU:H	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3078)	1:215:A:VAL:HG21	1:216:A:THR:HA	17	0.12
(1,3078)	1:215:A:VAL:HG22	1:216:A:THR:HA	17	0.12
(1,3078)	1:215:A:VAL:HG23	1:216:A:THR:HA	17	0.12
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	18	0.12
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	18	0.12
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	18	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	6	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	6	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	6	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	6	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	6	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	6	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	6	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	6	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	6	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	8	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	8	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	8	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	8	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	8	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	8	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	8	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	8	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	8	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	14	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	14	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	14	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	14	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	14	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	14	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	14	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	14	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	14	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	18	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	18	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	18	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	18	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	18	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	18	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	18	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	18	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	20	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	20	0.12
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	20	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	20	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	20	0.12
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	20	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	20	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	20	0.12
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	20	0.12
(1,3043)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	20	0.12
(1,3043)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	20	0.12
(1,3043)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	20	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	7	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	7	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	7	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	7	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	7	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	7	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	7	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	7	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	7	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	9	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	9	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	9	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	9	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	9	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	9	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	9	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	9	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	9	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	18	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	18	0.12
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	18	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	18	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	18	0.12
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	18	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	18	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	18	0.12
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	18	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	6	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	6	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	6	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	6	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	6	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	9	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	9	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	9	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	9	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	9	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	9	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	19	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	19	0.12
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	19	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	19	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	19	0.12
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	19	0.12
(1,2987)	1:131:A:GLY:HA2	1:217:A:GLN:HE21	17	0.12
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	14	0.12
(1,2985)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	14	0.12
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	14	0.12
(1,2985)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	14	0.12
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	14	0.12
(1,2985)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	14	0.12
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	2	0.12
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	2	0.12
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	2	0.12
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	2	0.12
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	2	0.12
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	2	0.12
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	2	0.12
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	2	0.12
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	2	0.12
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	14	0.12
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	14	0.12
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	14	0.12
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	14	0.12
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	14	0.12
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	14	0.12
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	16	0.12
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	16	0.12
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	16	0.12
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	16	0.12
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	16	0.12
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	2	0.12
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	2	0.12
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	2	0.12
(1,2844)	1:184:A:ILE:HD11	1:210:A:VAL:HG21	10	0.12
(1,2844)	1:184:A:ILE:HD11	1:210:A:VAL:HG22	10	0.12
(1,2844)	1:184:A:ILE:HD11	1:210:A:VAL:HG23	10	0.12
(1,2844)	1:184:A:ILE:HD12	1:210:A:VAL:HG21	10	0.12
(1,2844)	1:184:A:ILE:HD12	1:210:A:VAL:HG22	10	0.12
(1,2844)	1:184:A:ILE:HD12	1:210:A:VAL:HG23	10	0.12
(1,2844)	1:184:A:ILE:HD13	1:210:A:VAL:HG21	10	0.12
(1,2844)	1:184:A:ILE:HD13	1:210:A:VAL:HG22	10	0.12
(1,2844)	1:184:A:ILE:HD13	1:210:A:VAL:HG23	10	0.12
(1,2818)	1:209:A:VAL:HG11	1:213:A:MET:H	18	0.12
(1,2818)	1:209:A:VAL:HG12	1:213:A:MET:H	18	0.12
(1,2818)	1:209:A:VAL:HG13	1:213:A:MET:H	18	0.12
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	18	0.12
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	18	0.12
(1,2795)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	18	0.12
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	18	0.12
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	18	0.12
(1,2795)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	18	0.12
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	18	0.12
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	18	0.12
(1,2795)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	18	0.12
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	18	0.12
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	18	0.12
(1,2795)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	18	0.12
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	18	0.12
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	18	0.12
(1,2795)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	18	0.12
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	18	0.12
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	18	0.12
(1,2795)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	18	0.12
(1,2787)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	12	0.12
(1,2787)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	12	0.12
(1,2787)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	12	0.12
(1,2754)	1:204:A:LYS:HG2	1:205:A:MET:H	1	0.12
(1,2754)	1:204:A:LYS:HG2	1:205:A:MET:H	11	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	4	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	4	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	4	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	8	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	8	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	8	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	8	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	10	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	10	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	10	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	10	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	14	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	14	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	14	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	14	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	16	0.12
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	16	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	16	0.12
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	16	0.12
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	9	0.12
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	9	0.12
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	9	0.12
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	9	0.12
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	9	0.12
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	9	0.12
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	13	0.12
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	13	0.12
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	13	0.12
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	13	0.12
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	13	0.12
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	13	0.12
(1,2699)	1:128:A:TYR:HE1	1:182:A:ILE:HG21	4	0.12
(1,2699)	1:128:A:TYR:HE1	1:182:A:ILE:HG22	4	0.12
(1,2699)	1:128:A:TYR:HE1	1:182:A:ILE:HG23	4	0.12
(1,2699)	1:128:A:TYR:HE2	1:182:A:ILE:HG21	4	0.12
(1,2699)	1:128:A:TYR:HE2	1:182:A:ILE:HG22	4	0.12
(1,2699)	1:128:A:TYR:HE2	1:182:A:ILE:HG23	4	0.12
(1,2698)	1:125:A:LEU:HD21	1:128:A:TYR:HE1	3	0.12
(1,2698)	1:125:A:LEU:HD21	1:128:A:TYR:HE2	3	0.12
(1,2698)	1:125:A:LEU:HD22	1:128:A:TYR:HE1	3	0.12
(1,2698)	1:125:A:LEU:HD22	1:128:A:TYR:HE2	3	0.12
(1,2698)	1:125:A:LEU:HD23	1:128:A:TYR:HE1	3	0.12
(1,2698)	1:125:A:LEU:HD23	1:128:A:TYR:HE2	3	0.12
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	14	0.12
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	14	0.12
(1,2613)	1:196:A:GLU:HG2	1:198:A:PHE:HE1	13	0.12
(1,2613)	1:196:A:GLU:HG2	1:198:A:PHE:HE2	13	0.12
(1,2613)	1:196:A:GLU:HG3	1:198:A:PHE:HE1	13	0.12
(1,2613)	1:196:A:GLU:HG3	1:198:A:PHE:HE2	13	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	9	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	9	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	9	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	9	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	18	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	18	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	18	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	18	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD1	19	0.12
(1,2582)	1:157:A:TYR:HE1	1:198:A:PHE:HD2	19	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD1	19	0.12
(1,2582)	1:157:A:TYR:HE2	1:198:A:PHE:HD2	19	0.12
(1,2512)	1:225:A:TYR:HD1	1:227:A:ASP:H	6	0.12
(1,2512)	1:225:A:TYR:HD2	1:227:A:ASP:H	6	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	2	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	2	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	2	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	2	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	4	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	4	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	4	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	4	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	8	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	8	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	8	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	8	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	12	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	12	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	12	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	12	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	20	0.12
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	20	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	20	0.12
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	20	0.12
(1,2483)	1:226:A:TYR:HD1	1:227:A:ASP:H	1	0.12
(1,2483)	1:226:A:TYR:HD2	1:227:A:ASP:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:226:A:TYR:HD1	1:227:A:ASP:H	9	0.12
(1,2483)	1:226:A:TYR:HD2	1:227:A:ASP:H	9	0.12
(1,2483)	1:226:A:TYR:HD1	1:227:A:ASP:H	15	0.12
(1,2483)	1:226:A:TYR:HD2	1:227:A:ASP:H	15	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	1	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	1	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	1	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	2	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	2	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	2	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	4	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	4	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	4	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	6	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	6	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	6	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	9	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	9	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	9	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	10	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	10	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	10	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	12	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	12	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	12	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	13	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	13	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	13	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	14	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	14	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	14	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	15	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	15	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	15	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	17	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	17	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	17	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	20	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	20	0.12
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	20	0.12
(1,2437)	1:122:A:VAL:HG11	1:124:A:GLY:H	14	0.12
(1,2437)	1:122:A:VAL:HG12	1:124:A:GLY:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2437)	1:122:A:VAL:HG13	1:124:A:GLY:H	14	0.12
(1,2437)	1:122:A:VAL:HG21	1:124:A:GLY:H	14	0.12
(1,2437)	1:122:A:VAL:HG22	1:124:A:GLY:H	14	0.12
(1,2437)	1:122:A:VAL:HG23	1:124:A:GLY:H	14	0.12
(1,2416)	1:127:A:GLY:H	1:127:A:GLY:HA2	20	0.12
(1,2284)	1:132:A:SER:H	1:132:A:SER:HB2	17	0.12
(1,2185)	1:173:A:ASN:H	1:173:A:ASN:HB3	16	0.12
(1,2151)	1:154:A:MET:HE1	1:155:A:TYR:H	12	0.12
(1,2151)	1:154:A:MET:HE2	1:155:A:TYR:H	12	0.12
(1,2151)	1:154:A:MET:HE3	1:155:A:TYR:H	12	0.12
(1,1888)	1:218:A:TYR:HB2	1:219:A:GLN:H	10	0.12
(1,1869)	1:192:A:THR:HG21	1:197:A:ASN:H	18	0.12
(1,1869)	1:192:A:THR:HG22	1:197:A:ASN:H	18	0.12
(1,1869)	1:192:A:THR:HG23	1:197:A:ASN:H	18	0.12
(1,1714)	1:169:A:ALA:H	1:170:A:SER:HB3	3	0.12
(1,1585)	1:136:A:ARG:H	1:136:A:ARG:HB2	9	0.12
(1,1450)	1:172:A:GLN:HB3	1:218:A:TYR:HB3	3	0.12
(1,1408)	1:208:A:ARG:H	1:208:A:ARG:HB3	6	0.12
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	5	0.12
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	5	0.12
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	5	0.12
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	7	0.12
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	7	0.12
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	7	0.12
(1,1169)	1:133:A:ALA:HB1	1:160:A:GLN:HB2	9	0.12
(1,1169)	1:133:A:ALA:HB2	1:160:A:GLN:HB2	9	0.12
(1,1169)	1:133:A:ALA:HB3	1:160:A:GLN:HB2	9	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	6	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	6	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	6	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	6	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	6	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	6	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	12	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	12	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	12	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	12	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	12	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	12	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	13	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	13	0.12
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	13	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	13	0.12
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	13	0.12
(1,1068)	1:204:A:LYS:HA	1:207:A:GLU:HG2	19	0.12
(1,1049)	1:208:A:ARG:HA	1:211:A:GLU:HG3	15	0.12
(1,901)	1:133:A:ALA:HB1	1:134:A:MET:HB3	4	0.12
(1,901)	1:133:A:ALA:HB2	1:134:A:MET:HB3	4	0.12
(1,901)	1:133:A:ALA:HB3	1:134:A:MET:HB3	4	0.12
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	1	0.12
(1,849)	1:207:A:GLU:HA	1:207:A:GLU:HG3	12	0.12
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE1	18	0.12
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE2	18	0.12
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE3	18	0.12
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE1	18	0.12
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE2	18	0.12
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE3	18	0.12
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE1	18	0.12
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE2	18	0.12
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE3	18	0.12
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE1	19	0.12
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE2	19	0.12
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE3	19	0.12
(1,713)	1:135:A:SER:H	1:135:A:SER:HB3	5	0.12
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	2	0.12
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	14	0.12
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	18	0.12
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	8	0.12
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	8	0.12
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	8	0.12
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	13	0.12
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	13	0.12
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	13	0.12
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	2	0.12
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	2	0.12
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	2	0.12
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	2	0.12
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	2	0.12
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	2	0.12
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	2	0.12
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	2	0.12
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	2	0.12
(1,600)	1:132:A:SER:HB3	1:160:A:GLN:HG2	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	2	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	2	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	2	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	2	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	2	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	2	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	2	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	2	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	2	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	14	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	14	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	14	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	14	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	14	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	14	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	14	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	14	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	14	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	17	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	17	0.12
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	17	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	17	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	17	0.12
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	17	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	17	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	17	0.12
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	17	0.12
(1,483)	1:201:A:THR:HG21	1:204:A:LYS:HE2	11	0.12
(1,483)	1:201:A:THR:HG21	1:204:A:LYS:HE3	11	0.12
(1,483)	1:201:A:THR:HG22	1:204:A:LYS:HE2	11	0.12
(1,483)	1:201:A:THR:HG22	1:204:A:LYS:HE3	11	0.12
(1,483)	1:201:A:THR:HG23	1:204:A:LYS:HE2	11	0.12
(1,483)	1:201:A:THR:HG23	1:204:A:LYS:HE3	11	0.12
(1,470)	1:169:A:ALA:HB1	1:170:A:SER:HA	4	0.12
(1,470)	1:169:A:ALA:HB2	1:170:A:SER:HA	4	0.12
(1,470)	1:169:A:ALA:HB3	1:170:A:SER:HA	4	0.12
(1,470)	1:169:A:ALA:HB1	1:170:A:SER:HA	15	0.12
(1,470)	1:169:A:ALA:HB2	1:170:A:SER:HA	15	0.12
(1,470)	1:169:A:ALA:HB3	1:170:A:SER:HA	15	0.12
(1,470)	1:169:A:ALA:HB1	1:170:A:SER:HA	17	0.12
(1,470)	1:169:A:ALA:HB2	1:170:A:SER:HA	17	0.12
(1,470)	1:169:A:ALA:HB3	1:170:A:SER:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,470)	1:169:A:ALA:HB1	1:170:A:SER:HA	18	0.12
(1,470)	1:169:A:ALA:HB2	1:170:A:SER:HA	18	0.12
(1,470)	1:169:A:ALA:HB3	1:170:A:SER:HA	18	0.12
(1,422)	1:228:A:GLY:HA2	1:230:A:ARG:HD2	4	0.12
(1,422)	1:228:A:GLY:HA2	1:230:A:ARG:HD3	4	0.12
(1,422)	1:228:A:GLY:HA3	1:230:A:ARG:HD2	4	0.12
(1,422)	1:228:A:GLY:HA3	1:230:A:ARG:HD3	4	0.12
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	11	0.12
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	11	0.12
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	11	0.12
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	11	0.12
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	19	0.12
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	19	0.12
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	19	0.12
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	19	0.12
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	1	0.12
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	1	0.12
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	1	0.12
(1,351)	1:203:A:VAL:HG21	1:204:A:LYS:H	1	0.12
(1,351)	1:203:A:VAL:HG22	1:204:A:LYS:H	1	0.12
(1,351)	1:203:A:VAL:HG23	1:204:A:LYS:H	1	0.12
(1,350)	1:122:A:VAL:HG11	1:125:A:LEU:H	2	0.12
(1,350)	1:122:A:VAL:HG12	1:125:A:LEU:H	2	0.12
(1,350)	1:122:A:VAL:HG13	1:125:A:LEU:H	2	0.12
(1,350)	1:122:A:VAL:HG21	1:125:A:LEU:H	2	0.12
(1,350)	1:122:A:VAL:HG22	1:125:A:LEU:H	2	0.12
(1,350)	1:122:A:VAL:HG23	1:125:A:LEU:H	2	0.12
(1,350)	1:122:A:VAL:HG11	1:125:A:LEU:H	20	0.12
(1,350)	1:122:A:VAL:HG12	1:125:A:LEU:H	20	0.12
(1,350)	1:122:A:VAL:HG13	1:125:A:LEU:H	20	0.12
(1,350)	1:122:A:VAL:HG21	1:125:A:LEU:H	20	0.12
(1,350)	1:122:A:VAL:HG22	1:125:A:LEU:H	20	0.12
(1,350)	1:122:A:VAL:HG23	1:125:A:LEU:H	20	0.12
(1,332)	1:215:A:VAL:HG21	1:216:A:THR:HA	17	0.12
(1,332)	1:215:A:VAL:HG22	1:216:A:THR:HA	17	0.12
(1,332)	1:215:A:VAL:HG23	1:216:A:THR:HA	17	0.12
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	18	0.12
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	18	0.12
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	18	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	6	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	6	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	6	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	6	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	6	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	6	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	6	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	6	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	8	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	8	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	8	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	8	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	8	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	8	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	8	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	8	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	8	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	14	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	14	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	14	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	14	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	14	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	14	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	14	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	14	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	14	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	18	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	18	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	18	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	18	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	18	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	18	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	18	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	18	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	18	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	20	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	20	0.12
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	20	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	20	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	20	0.12
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	20	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	20	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	20	0.12
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,297)	1:180:A:VAL:HG11	1:184:A:ILE:HG12	20	0.12
(1,297)	1:180:A:VAL:HG12	1:184:A:ILE:HG12	20	0.12
(1,297)	1:180:A:VAL:HG13	1:184:A:ILE:HG12	20	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	7	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	7	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	7	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	7	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	7	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	7	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	7	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	7	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	7	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	9	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	9	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	9	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	9	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	9	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	9	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	9	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	9	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	9	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	18	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	18	0.12
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	18	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	18	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	18	0.12
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	18	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	18	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	18	0.12
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	18	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	6	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	6	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	6	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	6	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	6	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	6	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	9	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	9	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	9	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	9	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	9	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	19	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	19	0.12
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	19	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	19	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	19	0.12
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	19	0.12
(1,241)	1:131:A:GLY:HA2	1:217:A:GLN:HE21	17	0.12
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD1	14	0.12
(1,239)	1:166:A:VAL:HG11	1:226:A:TYR:HD2	14	0.12
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD1	14	0.12
(1,239)	1:166:A:VAL:HG12	1:226:A:TYR:HD2	14	0.12
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD1	14	0.12
(1,239)	1:166:A:VAL:HG13	1:226:A:TYR:HD2	14	0.12
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	2	0.12
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	2	0.12
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	2	0.12
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	2	0.12
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	2	0.12
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	2	0.12
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	2	0.12
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	2	0.12
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	2	0.12
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	14	0.12
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	14	0.12
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	14	0.12
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	14	0.12
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	14	0.12
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	14	0.12
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	16	0.12
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	16	0.12
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	16	0.12
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	16	0.12
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	16	0.12
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	16	0.12
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	2	0.12
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	2	0.12
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	2	0.12
(1,98)	1:184:A:ILE:HD11	1:210:A:VAL:HG21	10	0.12
(1,98)	1:184:A:ILE:HD11	1:210:A:VAL:HG22	10	0.12
(1,98)	1:184:A:ILE:HD11	1:210:A:VAL:HG23	10	0.12
(1,98)	1:184:A:ILE:HD12	1:210:A:VAL:HG21	10	0.12
(1,98)	1:184:A:ILE:HD12	1:210:A:VAL:HG22	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:184:A:ILE:HD12	1:210:A:VAL:HG23	10	0.12
(1,98)	1:184:A:ILE:HD13	1:210:A:VAL:HG21	10	0.12
(1,98)	1:184:A:ILE:HD13	1:210:A:VAL:HG22	10	0.12
(1,98)	1:184:A:ILE:HD13	1:210:A:VAL:HG23	10	0.12
(1,72)	1:209:A:VAL:HG11	1:213:A:MET:H	18	0.12
(1,72)	1:209:A:VAL:HG12	1:213:A:MET:H	18	0.12
(1,72)	1:209:A:VAL:HG13	1:213:A:MET:H	18	0.12
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD11	18	0.12
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD12	18	0.12
(1,49)	1:122:A:VAL:HG11	1:125:A:LEU:HD13	18	0.12
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD11	18	0.12
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD12	18	0.12
(1,49)	1:122:A:VAL:HG12	1:125:A:LEU:HD13	18	0.12
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD11	18	0.12
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD12	18	0.12
(1,49)	1:122:A:VAL:HG13	1:125:A:LEU:HD13	18	0.12
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD11	18	0.12
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD12	18	0.12
(1,49)	1:122:A:VAL:HG21	1:125:A:LEU:HD13	18	0.12
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD11	18	0.12
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD12	18	0.12
(1,49)	1:122:A:VAL:HG22	1:125:A:LEU:HD13	18	0.12
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD11	18	0.12
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD12	18	0.12
(1,49)	1:122:A:VAL:HG23	1:125:A:LEU:HD13	18	0.12
(1,41)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	12	0.12
(1,41)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	12	0.12
(1,41)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	12	0.12
(1,8)	1:204:A:LYS:HG2	1:205:A:MET:H	1	0.12
(1,8)	1:204:A:LYS:HG2	1:205:A:MET:H	11	0.12
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	1	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	1	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	1	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	1	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	2	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	2	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	2	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	2	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	3	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	3	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	3	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	15	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	15	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	15	0.11
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	15	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	2	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	2	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	2	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	2	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	2	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	2	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	15	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	15	0.11
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	15	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	15	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	15	0.11
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	15	0.11
(1,5461)	1:171:A:ASN:HA	1:218:A:TYR:HE1	9	0.11
(1,5461)	1:171:A:ASN:HA	1:218:A:TYR:HE2	9	0.11
(1,5415)	1:139:A:ILE:HG12	1:150:A:TYR:HE1	3	0.11
(1,5415)	1:139:A:ILE:HG12	1:150:A:TYR:HE2	3	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	7	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	7	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	7	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	8	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	8	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	8	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	12	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	12	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	12	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	17	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	17	0.11
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	17	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE1	1	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE2	1	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE3	1	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE1	9	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE2	9	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE3	9	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE1	16	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE2	16	0.11
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE3	16	0.11
(1,5403)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE1	3	0.11
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE2	3	0.11
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE3	3	0.11
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	11	0.11
(1,5392)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	17	0.11
(1,5370)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	11	0.11
(1,5370)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	11	0.11
(1,5370)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	11	0.11
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	19	0.11
(1,5298)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	19	0.11
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	19	0.11
(1,5298)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	19	0.11
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	19	0.11
(1,5298)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	19	0.11
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	13	0.11
(1,5291)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	13	0.11
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	13	0.11
(1,5291)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	13	0.11
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	13	0.11
(1,5291)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	13	0.11
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG11	6	0.11
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG12	6	0.11
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG13	6	0.11
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG11	6	0.11
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG12	6	0.11
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG13	6	0.11
(1,5239)	1:226:A:TYR:HD1	1:229:A:ARG:HG2	6	0.11
(1,5239)	1:226:A:TYR:HD1	1:229:A:ARG:HG3	6	0.11
(1,5239)	1:226:A:TYR:HD2	1:229:A:ARG:HG2	6	0.11
(1,5239)	1:226:A:TYR:HD2	1:229:A:ARG:HG3	6	0.11
(1,5239)	1:226:A:TYR:HD1	1:229:A:ARG:HG2	7	0.11
(1,5239)	1:226:A:TYR:HD1	1:229:A:ARG:HG3	7	0.11
(1,5239)	1:226:A:TYR:HD2	1:229:A:ARG:HG2	7	0.11
(1,5239)	1:226:A:TYR:HD2	1:229:A:ARG:HG3	7	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	5	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	5	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	5	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	5	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	10	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	10	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	10	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	13	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	13	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	13	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	13	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	14	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	14	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	14	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	14	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	19	0.11
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	19	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	19	0.11
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	19	0.11
(1,5229)	1:226:A:TYR:HD1	1:227:A:ASP:H	3	0.11
(1,5229)	1:226:A:TYR:HD2	1:227:A:ASP:H	3	0.11
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD1	20	0.11
(1,5200)	1:129:A:MET:HB3	1:163:A:TYR:HD2	20	0.11
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	18	0.11
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	18	0.11
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	18	0.11
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	19	0.11
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	19	0.11
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	19	0.11
(1,5175)	1:142:A:GLY:H	1:147:A:ASP:HB3	17	0.11
(1,5115)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	15	0.11
(1,5115)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	15	0.11
(1,5115)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	15	0.11
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	1	0.11
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	6	0.11
(1,5061)	1:131:A:GLY:HA2	1:161:A:VAL:H	16	0.11
(1,5051)	1:192:A:THR:HG21	1:197:A:ASN:HD21	9	0.11
(1,5051)	1:192:A:THR:HG22	1:197:A:ASN:HD21	9	0.11
(1,5051)	1:192:A:THR:HG23	1:197:A:ASN:HD21	9	0.11
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	7	0.11
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	7	0.11
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	8	0.11
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	8	0.11
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	19	0.11
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	19	0.11
(1,4931)	1:173:A:ASN:H	1:173:A:ASN:HB3	2	0.11
(1,4931)	1:173:A:ASN:H	1:173:A:ASN:HB3	7	0.11
(1,4931)	1:173:A:ASN:H	1:173:A:ASN:HB3	17	0.11
(1,4921)	1:143:A:ASN:HD22	1:146:A:GLU:H	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4878)	1:193:A:THR:H	1:194:A:LYS:HB3	18	0.11
(1,4866)	1:199:A:THR:H	1:206:A:MET:HE1	7	0.11
(1,4866)	1:199:A:THR:H	1:206:A:MET:HE2	7	0.11
(1,4866)	1:199:A:THR:H	1:206:A:MET:HE3	7	0.11
(1,4862)	1:166:A:VAL:HG21	1:170:A:SER:H	19	0.11
(1,4862)	1:166:A:VAL:HG22	1:170:A:SER:H	19	0.11
(1,4862)	1:166:A:VAL:HG23	1:170:A:SER:H	19	0.11
(1,4844)	1:208:A:ARG:H	1:209:A:VAL:HB	18	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	1	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	1	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	1	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	6	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	6	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	6	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	10	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	10	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	10	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	14	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	14	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	14	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	19	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	19	0.11
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	19	0.11
(1,4758)	1:170:A:SER:HB2	1:171:A:ASN:H	3	0.11
(1,4646)	1:225:A:TYR:H	1:229:A:ARG:HG2	11	0.11
(1,4646)	1:225:A:TYR:H	1:229:A:ARG:HG3	11	0.11
(1,4646)	1:225:A:TYR:H	1:229:A:ARG:HG2	13	0.11
(1,4646)	1:225:A:TYR:H	1:229:A:ARG:HG3	13	0.11
(1,4623)	1:227:A:ASP:HB2	1:229:A:ARG:H	4	0.11
(1,4623)	1:227:A:ASP:HB3	1:229:A:ARG:H	4	0.11
(1,4615)	1:192:A:THR:HG21	1:197:A:ASN:H	1	0.11
(1,4615)	1:192:A:THR:HG22	1:197:A:ASN:H	1	0.11
(1,4615)	1:192:A:THR:HG23	1:197:A:ASN:H	1	0.11
(1,4615)	1:192:A:THR:HG21	1:197:A:ASN:H	10	0.11
(1,4615)	1:192:A:THR:HG22	1:197:A:ASN:H	10	0.11
(1,4615)	1:192:A:THR:HG23	1:197:A:ASN:H	10	0.11
(1,4615)	1:192:A:THR:HG21	1:197:A:ASN:H	19	0.11
(1,4615)	1:192:A:THR:HG22	1:197:A:ASN:H	19	0.11
(1,4615)	1:192:A:THR:HG23	1:197:A:ASN:H	19	0.11
(1,4611)	1:191:A:THR:HB	1:197:A:ASN:H	2	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA2	6	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA2	11	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA3	11	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA2	18	0.11
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA3	18	0.11
(1,4509)	1:162:A:TYR:HD1	1:184:A:ILE:H	4	0.11
(1,4509)	1:162:A:TYR:HD2	1:184:A:ILE:H	4	0.11
(1,4441)	1:229:A:ARG:HG2	1:230:A:ARG:H	13	0.11
(1,4441)	1:229:A:ARG:HG3	1:230:A:ARG:H	13	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG11	7	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG12	7	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG13	7	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG11	19	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG12	19	0.11
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG13	19	0.11
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	10	0.11
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	10	0.11
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	10	0.11
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	12	0.11
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	12	0.11
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	12	0.11
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	13	0.11
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	13	0.11
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	13	0.11
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	20	0.11
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	20	0.11
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	20	0.11
(1,4327)	1:164:A:ARG:HE	1:182:A:ILE:HD11	11	0.11
(1,4327)	1:164:A:ARG:HE	1:182:A:ILE:HD12	11	0.11
(1,4327)	1:164:A:ARG:HE	1:182:A:ILE:HD13	11	0.11
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	2	0.11
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	2	0.11
(1,4267)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	2	0.11
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	2	0.11
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	2	0.11
(1,4267)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	2	0.11
(1,4204)	1:136:A:ARG:HB3	1:136:A:ARG:HE	12	0.11
(1,4154)	1:208:A:ARG:H	1:208:A:ARG:HB3	9	0.11
(1,4101)	1:230:A:ARG:HB3	1:231:A:SER:HA	1	0.11
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	2	0.11
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	2	0.11
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	2	0.11
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	11	0.11
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	11	0.11
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	14	0.11
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	14	0.11
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	14	0.11
(1,4092)	1:184:A:ILE:HD11	1:210:A:VAL:HB	20	0.11
(1,4092)	1:184:A:ILE:HD12	1:210:A:VAL:HB	20	0.11
(1,4092)	1:184:A:ILE:HD13	1:210:A:VAL:HB	20	0.11
(1,4079)	1:212:A:GLN:HA	1:215:A:VAL:HB	12	0.11
(1,4077)	1:175:A:PHE:H	1:176:A:VAL:HB	12	0.11
(1,4077)	1:175:A:PHE:H	1:176:A:VAL:HB	20	0.11
(1,3937)	1:194:A:LYS:HA	1:195:A:GLY:HA2	4	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG12	10	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG13	10	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG12	16	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG13	16	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG12	18	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG13	18	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG12	19	0.11
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG13	19	0.11
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD11	2	0.11
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD12	2	0.11
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD13	2	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	7	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	7	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	7	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	7	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	7	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	7	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	11	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	11	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	11	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	11	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	11	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	11	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	19	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	19	0.11
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	19	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	19	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	19	0.11
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	19	0.11
(1,3834)	1:144:A:ASP:HA	1:147:A:ASP:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3818)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	4	0.11
(1,3818)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	4	0.11
(1,3818)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	4	0.11
(1,3814)	1:204:A:LYS:HA	1:207:A:GLU:HG2	3	0.11
(1,3814)	1:204:A:LYS:HA	1:207:A:GLU:HG2	17	0.11
(1,3812)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	14	0.11
(1,3812)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	14	0.11
(1,3812)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	14	0.11
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	14	0.11
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	14	0.11
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	14	0.11
(1,3781)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	19	0.11
(1,3781)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	19	0.11
(1,3781)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	19	0.11
(1,3724)	1:152:A:GLU:HA	1:152:A:GLU:HG3	14	0.11
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG11	17	0.11
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG12	17	0.11
(1,3648)	1:214:A:CYS:HA	1:215:A:VAL:HG13	17	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB2	4	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB3	4	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB2	17	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB3	17	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB2	18	0.11
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB3	18	0.11
(1,3580)	1:173:A:ASN:HB2	1:174:A:ASN:HA	16	0.11
(1,3564)	1:182:A:ILE:HA	1:186:A:GLN:HE21	15	0.11
(1,3564)	1:182:A:ILE:HA	1:186:A:GLN:HE22	15	0.11
(1,3557)	1:180:A:VAL:HG11	1:181:A:ASN:HB3	20	0.11
(1,3557)	1:180:A:VAL:HG12	1:181:A:ASN:HB3	20	0.11
(1,3557)	1:180:A:VAL:HG13	1:181:A:ASN:HB3	20	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE1	7	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE2	7	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE3	7	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE1	15	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE2	15	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE3	15	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE1	20	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE2	20	0.11
(1,3524)	1:184:A:ILE:HA	1:206:A:MET:HE3	20	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE1	8	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE2	8	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE1	13	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE2	13	0.11
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE3	13	0.11
(1,3489)	1:184:A:ILE:HG21	1:206:A:MET:HE1	9	0.11
(1,3489)	1:184:A:ILE:HG21	1:206:A:MET:HE2	9	0.11
(1,3489)	1:184:A:ILE:HG21	1:206:A:MET:HE3	9	0.11
(1,3489)	1:184:A:ILE:HG22	1:206:A:MET:HE1	9	0.11
(1,3489)	1:184:A:ILE:HG22	1:206:A:MET:HE2	9	0.11
(1,3489)	1:184:A:ILE:HG22	1:206:A:MET:HE3	9	0.11
(1,3489)	1:184:A:ILE:HG23	1:206:A:MET:HE1	9	0.11
(1,3489)	1:184:A:ILE:HG23	1:206:A:MET:HE2	9	0.11
(1,3489)	1:184:A:ILE:HG23	1:206:A:MET:HE3	9	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	1	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	4	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	5	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	7	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	8	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	10	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	15	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	16	0.11
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	17	0.11
(1,3454)	1:150:A:TYR:HA	1:153:A:ASN:HB3	10	0.11
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	15	0.11
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	15	0.11
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	15	0.11
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE1	10	0.11
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE2	10	0.11
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE3	10	0.11
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD1	10	0.11
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD2	10	0.11
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD1	10	0.11
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD2	10	0.11
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD1	10	0.11
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD2	10	0.11
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD1	20	0.11
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD2	20	0.11
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD1	20	0.11
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD2	20	0.11
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD1	20	0.11
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD2	20	0.11
(1,3418)	1:152:A:GLU:HA	1:154:A:MET:HE1	10	0.11
(1,3418)	1:152:A:GLU:HA	1:154:A:MET:HE2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3418)	1:152:A:GLU:HA	1:154:A:MET:HE3	10	0.11
(1,3403)	1:191:A:THR:HA	1:194:A:LYS:HB3	1	0.11
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD2	15	0.11
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD3	15	0.11
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD2	15	0.11
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD3	15	0.11
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD2	15	0.11
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD3	15	0.11
(1,3386)	1:134:A:MET:HE1	1:220:A:LYS:HE2	19	0.11
(1,3386)	1:134:A:MET:HE1	1:220:A:LYS:HE3	19	0.11
(1,3386)	1:134:A:MET:HE2	1:220:A:LYS:HE2	19	0.11
(1,3386)	1:134:A:MET:HE2	1:220:A:LYS:HE3	19	0.11
(1,3386)	1:134:A:MET:HE3	1:220:A:LYS:HE2	19	0.11
(1,3386)	1:134:A:MET:HE3	1:220:A:LYS:HE3	19	0.11
(1,3378)	1:134:A:MET:HE1	1:135:A:SER:H	4	0.11
(1,3378)	1:134:A:MET:HE2	1:135:A:SER:H	4	0.11
(1,3378)	1:134:A:MET:HE3	1:135:A:SER:H	4	0.11
(1,3377)	1:134:A:MET:HE1	1:161:A:VAL:H	7	0.11
(1,3377)	1:134:A:MET:HE2	1:161:A:VAL:H	7	0.11
(1,3377)	1:134:A:MET:HE3	1:161:A:VAL:H	7	0.11
(1,3358)	1:132:A:SER:HB2	1:133:A:ALA:H	11	0.11
(1,3358)	1:132:A:SER:HB2	1:133:A:ALA:H	15	0.11
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	8	0.11
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	8	0.11
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	8	0.11
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	10	0.11
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	10	0.11
(1,3354)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	10	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	5	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	5	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	5	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	5	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	5	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	5	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	5	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	5	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	5	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	7	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	7	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	7	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	7	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	7	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	7	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	7	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	7	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	12	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	12	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	12	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	12	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	12	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	12	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	12	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	12	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	12	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	14	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	14	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	14	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	14	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	14	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	14	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	14	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	14	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	14	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	15	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	15	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	15	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	15	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	15	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	15	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	15	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	15	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	15	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE1	18	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE2	18	0.11
(1,3353)	1:139:A:ILE:HD11	1:205:A:MET:HE3	18	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE1	18	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE2	18	0.11
(1,3353)	1:139:A:ILE:HD12	1:205:A:MET:HE3	18	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE1	18	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE2	18	0.11
(1,3353)	1:139:A:ILE:HD13	1:205:A:MET:HE3	18	0.11
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	6	0.11
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	6	0.11
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	6	0.11
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	6	0.11
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	6	0.11
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG11	18	0.11
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG12	18	0.11
(1,3350)	1:120:A:SER:HB2	1:121:A:VAL:HG13	18	0.11
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG11	18	0.11
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG12	18	0.11
(1,3350)	1:120:A:SER:HB3	1:121:A:VAL:HG13	18	0.11
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	8	0.11
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	8	0.11
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	8	0.11
(1,3338)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	8	0.11
(1,3338)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	8	0.11
(1,3338)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	8	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	6	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	6	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	6	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	6	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	6	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	6	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	6	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	6	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	6	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	13	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	13	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	13	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	13	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	13	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	13	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	13	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	13	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	13	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	18	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	18	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	18	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	18	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	18	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	18	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	18	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	18	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	20	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	20	0.11
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	20	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	20	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	20	0.11
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	20	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	20	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	20	0.11
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	20	0.11
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE1	7	0.11
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE2	7	0.11
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE3	7	0.11
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE1	7	0.11
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE2	7	0.11
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE3	7	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	4	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	4	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	4	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	4	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	4	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	4	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	9	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	9	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	9	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	9	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	9	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	9	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	19	0.11
(1,3303)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	19	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	19	0.11
(1,3303)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	19	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	19	0.11
(1,3303)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	19	0.11
(1,3293)	1:133:A:ALA:HB1	1:159:A:ASN:HB2	16	0.11
(1,3293)	1:133:A:ALA:HB2	1:159:A:ASN:HB2	16	0.11
(1,3293)	1:133:A:ALA:HB3	1:159:A:ASN:HB2	16	0.11
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	7	0.11
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	7	0.11
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	7	0.11
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	7	0.11
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	7	0.11
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	7	0.11
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	7	0.11
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	7	0.11
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	9	0.11
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	9	0.11
(1,3266)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	9	0.11
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	9	0.11
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	9	0.11
(1,3266)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	9	0.11
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	9	0.11
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	9	0.11
(1,3266)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	9	0.11
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE2	16	0.11
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE3	16	0.11
(1,3216)	1:169:A:ALA:HB1	1:170:A:SER:HA	13	0.11
(1,3216)	1:169:A:ALA:HB2	1:170:A:SER:HA	13	0.11
(1,3216)	1:169:A:ALA:HB3	1:170:A:SER:HA	13	0.11
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD2	10	0.11
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD3	10	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD2	3	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD3	3	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD2	4	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD3	4	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD2	10	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD3	10	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD2	16	0.11
(1,3178)	1:230:A:ARG:HA	1:230:A:ARG:HD3	16	0.11
(1,3165)	1:148:A:ARG:HD2	1:149:A:TYR:HA	13	0.11
(1,3165)	1:148:A:ARG:HD3	1:149:A:TYR:HA	13	0.11
(1,3148)	1:151:A:ARG:H	1:151:A:ARG:HD3	9	0.11
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG21	9	0.11
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG22	9	0.11
(1,3116)	1:159:A:ASN:HA	1:209:A:VAL:HG23	9	0.11
(1,3102)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	17	0.11
(1,3102)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	17	0.11
(1,3102)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	17	0.11
(1,3102)	1:122:A:VAL:HG21	1:125:A:LEU:HB3	17	0.11
(1,3102)	1:122:A:VAL:HG22	1:125:A:LEU:HB3	17	0.11
(1,3102)	1:122:A:VAL:HG23	1:125:A:LEU:HB3	17	0.11
(1,3102)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	19	0.11
(1,3102)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3102)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	19	0.11
(1,3102)	1:122:A:VAL:HG21	1:125:A:LEU:HB3	19	0.11
(1,3102)	1:122:A:VAL:HG22	1:125:A:LEU:HB3	19	0.11
(1,3102)	1:122:A:VAL:HG23	1:125:A:LEU:HB3	19	0.11
(1,3096)	1:122:A:VAL:HG11	1:125:A:LEU:H	7	0.11
(1,3096)	1:122:A:VAL:HG12	1:125:A:LEU:H	7	0.11
(1,3096)	1:122:A:VAL:HG13	1:125:A:LEU:H	7	0.11
(1,3096)	1:122:A:VAL:HG21	1:125:A:LEU:H	7	0.11
(1,3096)	1:122:A:VAL:HG22	1:125:A:LEU:H	7	0.11
(1,3096)	1:122:A:VAL:HG23	1:125:A:LEU:H	7	0.11
(1,3096)	1:122:A:VAL:HG11	1:125:A:LEU:H	8	0.11
(1,3096)	1:122:A:VAL:HG12	1:125:A:LEU:H	8	0.11
(1,3096)	1:122:A:VAL:HG13	1:125:A:LEU:H	8	0.11
(1,3096)	1:122:A:VAL:HG21	1:125:A:LEU:H	8	0.11
(1,3096)	1:122:A:VAL:HG22	1:125:A:LEU:H	8	0.11
(1,3096)	1:122:A:VAL:HG23	1:125:A:LEU:H	8	0.11
(1,3092)	1:215:A:VAL:HG21	1:216:A:THR:H	17	0.11
(1,3092)	1:215:A:VAL:HG22	1:216:A:THR:H	17	0.11
(1,3092)	1:215:A:VAL:HG23	1:216:A:THR:H	17	0.11
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG21	2	0.11
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG22	2	0.11
(1,3070)	1:146:A:GLU:HG3	1:201:A:THR:HG23	2	0.11
(1,3064)	1:201:A:THR:HG21	1:205:A:MET:H	18	0.11
(1,3064)	1:201:A:THR:HG22	1:205:A:MET:H	18	0.11
(1,3064)	1:201:A:THR:HG23	1:205:A:MET:H	18	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	4	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	4	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	4	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	4	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	4	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	4	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	4	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	4	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	4	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	5	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	5	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	5	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	5	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	5	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	5	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	5	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	5	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	7	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	7	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	7	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	7	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	7	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	7	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	7	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	7	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	7	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG21	16	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG22	16	0.11
(1,3048)	1:188:A:THR:HG21	1:189:A:VAL:HG23	16	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG21	16	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG22	16	0.11
(1,3048)	1:188:A:THR:HG22	1:189:A:VAL:HG23	16	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG21	16	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG22	16	0.11
(1,3048)	1:188:A:THR:HG23	1:189:A:VAL:HG23	16	0.11
(1,3044)	1:180:A:VAL:HG11	1:183:A:THR:HG1	15	0.11
(1,3044)	1:180:A:VAL:HG12	1:183:A:THR:HG1	15	0.11
(1,3044)	1:180:A:VAL:HG13	1:183:A:THR:HG1	15	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	2	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	2	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	2	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	2	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	2	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	2	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	2	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	2	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	2	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	10	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	10	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	10	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	10	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	10	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	10	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	10	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	10	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	10	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG21	13	0.11
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG22	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:184:A:ILE:HD11	1:188:A:THR:HG23	13	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG21	13	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG22	13	0.11
(1,3032)	1:184:A:ILE:HD12	1:188:A:THR:HG23	13	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG21	13	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG22	13	0.11
(1,3032)	1:184:A:ILE:HD13	1:188:A:THR:HG23	13	0.11
(1,3030)	1:193:A:THR:HG21	1:194:A:LYS:HD2	14	0.11
(1,3030)	1:193:A:THR:HG21	1:194:A:LYS:HD3	14	0.11
(1,3030)	1:193:A:THR:HG22	1:194:A:LYS:HD2	14	0.11
(1,3030)	1:193:A:THR:HG22	1:194:A:LYS:HD3	14	0.11
(1,3030)	1:193:A:THR:HG23	1:194:A:LYS:HD2	14	0.11
(1,3030)	1:193:A:THR:HG23	1:194:A:LYS:HD3	14	0.11
(1,3030)	1:193:A:THR:HG21	1:194:A:LYS:HD2	17	0.11
(1,3030)	1:193:A:THR:HG21	1:194:A:LYS:HD3	17	0.11
(1,3030)	1:193:A:THR:HG22	1:194:A:LYS:HD2	17	0.11
(1,3030)	1:193:A:THR:HG22	1:194:A:LYS:HD3	17	0.11
(1,3030)	1:193:A:THR:HG23	1:194:A:LYS:HD2	17	0.11
(1,3030)	1:193:A:THR:HG23	1:194:A:LYS:HD3	17	0.11
(1,3015)	1:199:A:THR:HG21	1:200:A:GLU:HA	11	0.11
(1,3015)	1:199:A:THR:HG22	1:200:A:GLU:HA	11	0.11
(1,3015)	1:199:A:THR:HG23	1:200:A:GLU:HA	11	0.11
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	5	0.11
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	5	0.11
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	5	0.11
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	5	0.11
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	5	0.11
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	5	0.11
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	17	0.11
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	17	0.11
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	17	0.11
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	17	0.11
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	17	0.11
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	17	0.11
(1,2965)	1:180:A:VAL:HA	1:183:A:THR:HG21	20	0.11
(1,2965)	1:180:A:VAL:HA	1:183:A:THR:HG22	20	0.11
(1,2965)	1:180:A:VAL:HA	1:183:A:THR:HG23	20	0.11
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	15	0.11
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	15	0.11
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	15	0.11
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	15	0.11
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	15	0.11
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	15	0.11
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	15	0.11
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	15	0.11
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG21	19	0.11
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG22	19	0.11
(1,2952)	1:161:A:VAL:HG21	1:216:A:THR:HG23	19	0.11
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG21	19	0.11
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG22	19	0.11
(1,2952)	1:161:A:VAL:HG22	1:216:A:THR:HG23	19	0.11
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG21	19	0.11
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG22	19	0.11
(1,2952)	1:161:A:VAL:HG23	1:216:A:THR:HG23	19	0.11
(1,2951)	1:216:A:THR:HG21	1:220:A:LYS:HD2	15	0.11
(1,2951)	1:216:A:THR:HG21	1:220:A:LYS:HD3	15	0.11
(1,2951)	1:216:A:THR:HG22	1:220:A:LYS:HD2	15	0.11
(1,2951)	1:216:A:THR:HG22	1:220:A:LYS:HD3	15	0.11
(1,2951)	1:216:A:THR:HG23	1:220:A:LYS:HD2	15	0.11
(1,2951)	1:216:A:THR:HG23	1:220:A:LYS:HD3	15	0.11
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	1	0.11
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	1	0.11
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	1	0.11
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	1	0.11
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	1	0.11
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	1	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD21	1	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD22	1	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD23	1	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD21	10	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD22	10	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD23	10	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD21	14	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD22	14	0.11
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD23	14	0.11
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	12	0.11
(1,2881)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	12	0.11
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	12	0.11
(1,2881)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	12	0.11
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	12	0.11
(1,2881)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	12	0.11
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	17	0.11
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2854)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	17	0.11
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	17	0.11
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	17	0.11
(1,2852)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	17	0.11
(1,2787)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	10	0.11
(1,2787)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	10	0.11
(1,2787)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	10	0.11
(1,2787)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	16	0.11
(1,2787)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	16	0.11
(1,2787)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	16	0.11
(1,2759)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	2	0.11
(1,2759)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	2	0.11
(1,2759)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	2	0.11
(1,2759)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	4	0.11
(1,2759)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	4	0.11
(1,2759)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	4	0.11
(1,2759)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	7	0.11
(1,2759)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	7	0.11
(1,2759)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	7	0.11
(1,2759)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	12	0.11
(1,2759)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	12	0.11
(1,2759)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	12	0.11
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	8	0.11
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	8	0.11
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	8	0.11
(1,2754)	1:204:A:LYS:HG2	1:205:A:MET:H	13	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	1	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	1	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	1	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	1	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	2	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	2	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	2	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	2	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	3	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	3	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	3	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	3	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	15	0.11
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	15	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	15	0.11
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	2	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	2	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	2	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	2	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	2	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	2	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	15	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	15	0.11
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	15	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	15	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	15	0.11
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	15	0.11
(1,2715)	1:171:A:ASN:HA	1:218:A:TYR:HE1	9	0.11
(1,2715)	1:171:A:ASN:HA	1:218:A:TYR:HE2	9	0.11
(1,2669)	1:139:A:ILE:HG12	1:150:A:TYR:HE1	3	0.11
(1,2669)	1:139:A:ILE:HG12	1:150:A:TYR:HE2	3	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	7	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	7	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	7	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	8	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	8	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	8	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	12	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	12	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	12	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	17	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	17	0.11
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	17	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE1	1	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE2	1	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE3	1	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE1	9	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE2	9	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE3	9	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE1	16	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE2	16	0.11
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE3	16	0.11
(1,2657)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	10	0.11
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE1	3	0.11
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE2	3	0.11
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE3	3	0.11
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2646)	1:145:A:TRP:HE3	1:146:A:GLU:HG3	17	0.11
(1,2624)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	11	0.11
(1,2624)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	11	0.11
(1,2624)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	11	0.11
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	19	0.11
(1,2552)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	19	0.11
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	19	0.11
(1,2552)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	19	0.11
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	19	0.11
(1,2552)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	19	0.11
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	13	0.11
(1,2545)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	13	0.11
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	13	0.11
(1,2545)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	13	0.11
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	13	0.11
(1,2545)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	13	0.11
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG11	6	0.11
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG12	6	0.11
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG13	6	0.11
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG11	6	0.11
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG12	6	0.11
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG13	6	0.11
(1,2493)	1:226:A:TYR:HD1	1:229:A:ARG:HG2	6	0.11
(1,2493)	1:226:A:TYR:HD1	1:229:A:ARG:HG3	6	0.11
(1,2493)	1:226:A:TYR:HD2	1:229:A:ARG:HG2	6	0.11
(1,2493)	1:226:A:TYR:HD2	1:229:A:ARG:HG3	6	0.11
(1,2493)	1:226:A:TYR:HD1	1:229:A:ARG:HG2	7	0.11
(1,2493)	1:226:A:TYR:HD1	1:229:A:ARG:HG3	7	0.11
(1,2493)	1:226:A:TYR:HD2	1:229:A:ARG:HG2	7	0.11
(1,2493)	1:226:A:TYR:HD2	1:229:A:ARG:HG3	7	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	5	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	5	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	5	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	5	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	10	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	10	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	10	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	10	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	13	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	13	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	13	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	14	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	14	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	14	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	14	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	19	0.11
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	19	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	19	0.11
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	19	0.11
(1,2483)	1:226:A:TYR:HD1	1:227:A:ASP:H	3	0.11
(1,2483)	1:226:A:TYR:HD2	1:227:A:ASP:H	3	0.11
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD1	20	0.11
(1,2454)	1:129:A:MET:HB3	1:163:A:TYR:HD2	20	0.11
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	18	0.11
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	18	0.11
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	18	0.11
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	19	0.11
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	19	0.11
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	19	0.11
(1,2429)	1:142:A:GLY:H	1:147:A:ASP:HB3	17	0.11
(1,2369)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	15	0.11
(1,2369)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	15	0.11
(1,2369)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	15	0.11
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	1	0.11
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	6	0.11
(1,2315)	1:131:A:GLY:HA2	1:161:A:VAL:H	16	0.11
(1,2305)	1:192:A:THR:HG21	1:197:A:ASN:HD21	9	0.11
(1,2305)	1:192:A:THR:HG22	1:197:A:ASN:HD21	9	0.11
(1,2305)	1:192:A:THR:HG23	1:197:A:ASN:HD21	9	0.11
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	7	0.11
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	7	0.11
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	8	0.11
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	8	0.11
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	19	0.11
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	19	0.11
(1,2185)	1:173:A:ASN:H	1:173:A:ASN:HB3	2	0.11
(1,2185)	1:173:A:ASN:H	1:173:A:ASN:HB3	7	0.11
(1,2185)	1:173:A:ASN:H	1:173:A:ASN:HB3	17	0.11
(1,2175)	1:143:A:ASN:HD22	1:146:A:GLU:H	19	0.11
(1,2132)	1:193:A:THR:H	1:194:A:LYS:HB3	18	0.11
(1,2120)	1:199:A:THR:H	1:206:A:MET:HE1	7	0.11
(1,2120)	1:199:A:THR:H	1:206:A:MET:HE2	7	0.11
(1,2120)	1:199:A:THR:H	1:206:A:MET:HE3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2116)	1:166:A:VAL:HG21	1:170:A:SER:H	19	0.11
(1,2116)	1:166:A:VAL:HG22	1:170:A:SER:H	19	0.11
(1,2116)	1:166:A:VAL:HG23	1:170:A:SER:H	19	0.11
(1,2098)	1:208:A:ARG:H	1:209:A:VAL:HB	18	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	1	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	1	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	1	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	6	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	6	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	6	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	10	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	10	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	10	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	14	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	14	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	14	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	19	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	19	0.11
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	19	0.11
(1,2012)	1:170:A:SER:HB2	1:171:A:ASN:H	3	0.11
(1,1900)	1:225:A:TYR:H	1:229:A:ARG:HG2	11	0.11
(1,1900)	1:225:A:TYR:H	1:229:A:ARG:HG3	11	0.11
(1,1900)	1:225:A:TYR:H	1:229:A:ARG:HG2	13	0.11
(1,1900)	1:225:A:TYR:H	1:229:A:ARG:HG3	13	0.11
(1,1877)	1:227:A:ASP:HB2	1:229:A:ARG:H	4	0.11
(1,1877)	1:227:A:ASP:HB3	1:229:A:ARG:H	4	0.11
(1,1869)	1:192:A:THR:HG21	1:197:A:ASN:H	1	0.11
(1,1869)	1:192:A:THR:HG22	1:197:A:ASN:H	1	0.11
(1,1869)	1:192:A:THR:HG23	1:197:A:ASN:H	1	0.11
(1,1869)	1:192:A:THR:HG21	1:197:A:ASN:H	10	0.11
(1,1869)	1:192:A:THR:HG22	1:197:A:ASN:H	10	0.11
(1,1869)	1:192:A:THR:HG23	1:197:A:ASN:H	10	0.11
(1,1869)	1:192:A:THR:HG21	1:197:A:ASN:H	19	0.11
(1,1869)	1:192:A:THR:HG22	1:197:A:ASN:H	19	0.11
(1,1869)	1:192:A:THR:HG23	1:197:A:ASN:H	19	0.11
(1,1865)	1:191:A:THR:HB	1:197:A:ASN:H	2	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA2	6	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA3	6	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA2	11	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA3	11	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA2	18	0.11
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA3	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:162:A:TYR:HD1	1:184:A:ILE:H	4	0.11
(1,1763)	1:162:A:TYR:HD2	1:184:A:ILE:H	4	0.11
(1,1695)	1:229:A:ARG:HG2	1:230:A:ARG:H	13	0.11
(1,1695)	1:229:A:ARG:HG3	1:230:A:ARG:H	13	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG11	7	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG12	7	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG13	7	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG11	19	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG12	19	0.11
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG13	19	0.11
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	10	0.11
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	10	0.11
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	10	0.11
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	12	0.11
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	12	0.11
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	12	0.11
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	13	0.11
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	13	0.11
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	13	0.11
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	20	0.11
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	20	0.11
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	20	0.11
(1,1581)	1:164:A:ARG:HE	1:182:A:ILE:HD11	11	0.11
(1,1581)	1:164:A:ARG:HE	1:182:A:ILE:HD12	11	0.11
(1,1581)	1:164:A:ARG:HE	1:182:A:ILE:HD13	11	0.11
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	2	0.11
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	2	0.11
(1,1521)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	2	0.11
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	2	0.11
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	2	0.11
(1,1521)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	2	0.11
(1,1458)	1:136:A:ARG:HB3	1:136:A:ARG:HE	12	0.11
(1,1408)	1:208:A:ARG:H	1:208:A:ARG:HB3	9	0.11
(1,1355)	1:230:A:ARG:HB3	1:231:A:SER:HA	1	0.11
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	2	0.11
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	2	0.11
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	2	0.11
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	11	0.11
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	11	0.11
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	11	0.11
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	14	0.11
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	14	0.11
(1,1346)	1:184:A:ILE:HD11	1:210:A:VAL:HB	20	0.11
(1,1346)	1:184:A:ILE:HD12	1:210:A:VAL:HB	20	0.11
(1,1346)	1:184:A:ILE:HD13	1:210:A:VAL:HB	20	0.11
(1,1333)	1:212:A:GLN:HA	1:215:A:VAL:HB	12	0.11
(1,1331)	1:175:A:PHE:H	1:176:A:VAL:HB	12	0.11
(1,1331)	1:175:A:PHE:H	1:176:A:VAL:HB	20	0.11
(1,1191)	1:194:A:LYS:HA	1:195:A:GLY:HA2	4	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG12	10	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG13	10	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG12	16	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG13	16	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG12	18	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG13	18	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG12	19	0.11
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG13	19	0.11
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD11	2	0.11
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD12	2	0.11
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD13	2	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	7	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	7	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	7	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	7	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	7	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	7	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	11	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	11	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	11	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	11	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	11	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	11	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	19	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	19	0.11
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	19	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	19	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	19	0.11
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	19	0.11
(1,1088)	1:144:A:ASP:HA	1:147:A:ASP:HB3	9	0.11
(1,1072)	1:180:A:VAL:HG11	1:207:A:GLU:HG3	4	0.11
(1,1072)	1:180:A:VAL:HG12	1:207:A:GLU:HG3	4	0.11
(1,1072)	1:180:A:VAL:HG13	1:207:A:GLU:HG3	4	0.11
(1,1068)	1:204:A:LYS:HA	1:207:A:GLU:HG2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1068)	1:204:A:LYS:HA	1:207:A:GLU:HG2	17	0.11
(1,1066)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	14	0.11
(1,1066)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	14	0.11
(1,1066)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	14	0.11
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	14	0.11
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	14	0.11
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	14	0.11
(1,1035)	1:139:A:ILE:HD11	1:208:A:ARG:HG3	19	0.11
(1,1035)	1:139:A:ILE:HD12	1:208:A:ARG:HG3	19	0.11
(1,1035)	1:139:A:ILE:HD13	1:208:A:ARG:HG3	19	0.11
(1,978)	1:152:A:GLU:HA	1:152:A:GLU:HG3	14	0.11
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG11	17	0.11
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG12	17	0.11
(1,902)	1:214:A:CYS:HA	1:215:A:VAL:HG13	17	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB2	4	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB3	4	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB2	17	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB3	17	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB2	18	0.11
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB3	18	0.11
(1,834)	1:173:A:ASN:HB2	1:174:A:ASN:HA	16	0.11
(1,818)	1:182:A:ILE:HA	1:186:A:GLN:HE21	15	0.11
(1,818)	1:182:A:ILE:HA	1:186:A:GLN:HE22	15	0.11
(1,811)	1:180:A:VAL:HG11	1:181:A:ASN:HB3	20	0.11
(1,811)	1:180:A:VAL:HG12	1:181:A:ASN:HB3	20	0.11
(1,811)	1:180:A:VAL:HG13	1:181:A:ASN:HB3	20	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE1	7	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE2	7	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE3	7	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE1	15	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE2	15	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE3	15	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE1	20	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE2	20	0.11
(1,778)	1:184:A:ILE:HA	1:206:A:MET:HE3	20	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE1	8	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE2	8	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE3	8	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE1	13	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE2	13	0.11
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE3	13	0.11
(1,743)	1:184:A:ILE:HG21	1:206:A:MET:HE1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,743)	1:184:A:ILE:HG21	1:206:A:MET:HE2	9	0.11
(1,743)	1:184:A:ILE:HG21	1:206:A:MET:HE3	9	0.11
(1,743)	1:184:A:ILE:HG22	1:206:A:MET:HE1	9	0.11
(1,743)	1:184:A:ILE:HG22	1:206:A:MET:HE2	9	0.11
(1,743)	1:184:A:ILE:HG22	1:206:A:MET:HE3	9	0.11
(1,743)	1:184:A:ILE:HG23	1:206:A:MET:HE1	9	0.11
(1,743)	1:184:A:ILE:HG23	1:206:A:MET:HE2	9	0.11
(1,743)	1:184:A:ILE:HG23	1:206:A:MET:HE3	9	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	1	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	4	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	5	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	7	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	8	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	10	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	15	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	16	0.11
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	17	0.11
(1,708)	1:150:A:TYR:HA	1:153:A:ASN:HB3	10	0.11
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	15	0.11
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	15	0.11
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	15	0.11
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE1	10	0.11
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE2	10	0.11
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE3	10	0.11
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD1	10	0.11
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD2	10	0.11
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD1	10	0.11
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD2	10	0.11
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD1	10	0.11
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD2	10	0.11
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD1	20	0.11
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD2	20	0.11
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD1	20	0.11
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD2	20	0.11
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD1	20	0.11
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD2	20	0.11
(1,672)	1:152:A:GLU:HA	1:154:A:MET:HE1	10	0.11
(1,672)	1:152:A:GLU:HA	1:154:A:MET:HE2	10	0.11
(1,672)	1:152:A:GLU:HA	1:154:A:MET:HE3	10	0.11
(1,657)	1:191:A:THR:HA	1:194:A:LYS:HB3	1	0.11
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD2	15	0.11
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD2	15	0.11
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD3	15	0.11
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD2	15	0.11
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD3	15	0.11
(1,640)	1:134:A:MET:HE1	1:220:A:LYS:HE2	19	0.11
(1,640)	1:134:A:MET:HE1	1:220:A:LYS:HE3	19	0.11
(1,640)	1:134:A:MET:HE2	1:220:A:LYS:HE2	19	0.11
(1,640)	1:134:A:MET:HE2	1:220:A:LYS:HE3	19	0.11
(1,640)	1:134:A:MET:HE3	1:220:A:LYS:HE2	19	0.11
(1,640)	1:134:A:MET:HE3	1:220:A:LYS:HE3	19	0.11
(1,632)	1:134:A:MET:HE1	1:135:A:SER:H	4	0.11
(1,632)	1:134:A:MET:HE2	1:135:A:SER:H	4	0.11
(1,632)	1:134:A:MET:HE3	1:135:A:SER:H	4	0.11
(1,631)	1:134:A:MET:HE1	1:161:A:VAL:H	7	0.11
(1,631)	1:134:A:MET:HE2	1:161:A:VAL:H	7	0.11
(1,631)	1:134:A:MET:HE3	1:161:A:VAL:H	7	0.11
(1,612)	1:132:A:SER:HB2	1:133:A:ALA:H	11	0.11
(1,612)	1:132:A:SER:HB2	1:133:A:ALA:H	15	0.11
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	8	0.11
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	8	0.11
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	8	0.11
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB1	10	0.11
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB2	10	0.11
(1,608)	1:221:A:GLU:HB2	1:224:A:ALA:HB3	10	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	5	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	5	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	5	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	5	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	5	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	5	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	5	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	5	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	5	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	7	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	7	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	7	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	7	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	7	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	7	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	7	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	7	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	12	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	12	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	12	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	12	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	12	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	12	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	12	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	12	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	12	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	14	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	14	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	14	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	14	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	14	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	14	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	14	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	14	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	14	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	15	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	15	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	15	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	15	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	15	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	15	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	15	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	15	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	15	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE1	18	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE2	18	0.11
(1,607)	1:139:A:ILE:HD11	1:205:A:MET:HE3	18	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE1	18	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE2	18	0.11
(1,607)	1:139:A:ILE:HD12	1:205:A:MET:HE3	18	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE1	18	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE2	18	0.11
(1,607)	1:139:A:ILE:HD13	1:205:A:MET:HE3	18	0.11
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	6	0.11
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	6	0.11
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	6	0.11
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	6	0.11
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	6	0.11
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG11	18	0.11
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG12	18	0.11
(1,604)	1:120:A:SER:HB2	1:121:A:VAL:HG13	18	0.11
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG11	18	0.11
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG12	18	0.11
(1,604)	1:120:A:SER:HB3	1:121:A:VAL:HG13	18	0.11
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	8	0.11
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	8	0.11
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	8	0.11
(1,592)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	8	0.11
(1,592)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	8	0.11
(1,592)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	8	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	6	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	6	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	6	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	6	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	6	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	6	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	6	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	6	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	6	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	13	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	13	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	13	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	13	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	13	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	13	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	13	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	13	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	13	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	18	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	18	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	18	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	18	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	18	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	18	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	18	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	18	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	18	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	20	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	20	0.11
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	20	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	20	0.11
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	20	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	20	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	20	0.11
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	20	0.11
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE1	7	0.11
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE2	7	0.11
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE3	7	0.11
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE1	7	0.11
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE2	7	0.11
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE3	7	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	4	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	4	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	4	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	4	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	4	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	4	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	9	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	9	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	9	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	9	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	9	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	9	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB2	19	0.11
(1,557)	1:224:A:ALA:HB1	1:227:A:ASP:HB3	19	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB2	19	0.11
(1,557)	1:224:A:ALA:HB2	1:227:A:ASP:HB3	19	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB2	19	0.11
(1,557)	1:224:A:ALA:HB3	1:227:A:ASP:HB3	19	0.11
(1,547)	1:133:A:ALA:HB1	1:159:A:ASN:HB2	16	0.11
(1,547)	1:133:A:ALA:HB2	1:159:A:ASN:HB2	16	0.11
(1,547)	1:133:A:ALA:HB3	1:159:A:ASN:HB2	16	0.11
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	7	0.11
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	7	0.11
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	7	0.11
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	7	0.11
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	7	0.11
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	7	0.11
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	7	0.11
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	7	0.11
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG21	9	0.11
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG22	9	0.11
(1,520)	1:130:A:LEU:HD11	1:182:A:ILE:HG23	9	0.11
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG21	9	0.11
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG22	9	0.11
(1,520)	1:130:A:LEU:HD12	1:182:A:ILE:HG23	9	0.11
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG21	9	0.11
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG22	9	0.11
(1,520)	1:130:A:LEU:HD13	1:182:A:ILE:HG23	9	0.11
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE2	16	0.11
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE3	16	0.11
(1,470)	1:169:A:ALA:HB1	1:170:A:SER:HA	13	0.11
(1,470)	1:169:A:ALA:HB2	1:170:A:SER:HA	13	0.11
(1,470)	1:169:A:ALA:HB3	1:170:A:SER:HA	13	0.11
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD2	10	0.11
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD3	10	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD2	3	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD3	3	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD2	4	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD3	4	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD2	10	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD3	10	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD2	16	0.11
(1,432)	1:230:A:ARG:HA	1:230:A:ARG:HD3	16	0.11
(1,419)	1:148:A:ARG:HD2	1:149:A:TYR:HA	13	0.11
(1,419)	1:148:A:ARG:HD3	1:149:A:TYR:HA	13	0.11
(1,402)	1:151:A:ARG:H	1:151:A:ARG:HD3	9	0.11
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG21	9	0.11
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG22	9	0.11
(1,370)	1:159:A:ASN:HA	1:209:A:VAL:HG23	9	0.11
(1,356)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	17	0.11
(1,356)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	17	0.11
(1,356)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	17	0.11
(1,356)	1:122:A:VAL:HG21	1:125:A:LEU:HB3	17	0.11
(1,356)	1:122:A:VAL:HG22	1:125:A:LEU:HB3	17	0.11
(1,356)	1:122:A:VAL:HG23	1:125:A:LEU:HB3	17	0.11
(1,356)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	19	0.11
(1,356)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	19	0.11
(1,356)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	19	0.11
(1,356)	1:122:A:VAL:HG21	1:125:A:LEU:HB3	19	0.11
(1,356)	1:122:A:VAL:HG22	1:125:A:LEU:HB3	19	0.11
(1,356)	1:122:A:VAL:HG23	1:125:A:LEU:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,350)	1:122:A:VAL:HG11	1:125:A:LEU:H	7	0.11
(1,350)	1:122:A:VAL:HG12	1:125:A:LEU:H	7	0.11
(1,350)	1:122:A:VAL:HG13	1:125:A:LEU:H	7	0.11
(1,350)	1:122:A:VAL:HG21	1:125:A:LEU:H	7	0.11
(1,350)	1:122:A:VAL:HG22	1:125:A:LEU:H	7	0.11
(1,350)	1:122:A:VAL:HG23	1:125:A:LEU:H	7	0.11
(1,350)	1:122:A:VAL:HG11	1:125:A:LEU:H	8	0.11
(1,350)	1:122:A:VAL:HG12	1:125:A:LEU:H	8	0.11
(1,350)	1:122:A:VAL:HG13	1:125:A:LEU:H	8	0.11
(1,350)	1:122:A:VAL:HG21	1:125:A:LEU:H	8	0.11
(1,350)	1:122:A:VAL:HG22	1:125:A:LEU:H	8	0.11
(1,350)	1:122:A:VAL:HG23	1:125:A:LEU:H	8	0.11
(1,346)	1:215:A:VAL:HG21	1:216:A:THR:H	17	0.11
(1,346)	1:215:A:VAL:HG22	1:216:A:THR:H	17	0.11
(1,346)	1:215:A:VAL:HG23	1:216:A:THR:H	17	0.11
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG21	2	0.11
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG22	2	0.11
(1,324)	1:146:A:GLU:HG3	1:201:A:THR:HG23	2	0.11
(1,318)	1:201:A:THR:HG21	1:205:A:MET:H	18	0.11
(1,318)	1:201:A:THR:HG22	1:205:A:MET:H	18	0.11
(1,318)	1:201:A:THR:HG23	1:205:A:MET:H	18	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	4	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	4	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	4	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	4	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	4	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	4	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	4	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	4	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	4	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	5	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	5	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	5	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	5	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	5	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	5	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	5	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	5	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	5	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	7	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	7	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	7	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	7	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	7	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	7	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	7	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	7	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG21	16	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG22	16	0.11
(1,302)	1:188:A:THR:HG21	1:189:A:VAL:HG23	16	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG21	16	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG22	16	0.11
(1,302)	1:188:A:THR:HG22	1:189:A:VAL:HG23	16	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG21	16	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG22	16	0.11
(1,302)	1:188:A:THR:HG23	1:189:A:VAL:HG23	16	0.11
(1,298)	1:180:A:VAL:HG11	1:183:A:THR:HG1	15	0.11
(1,298)	1:180:A:VAL:HG12	1:183:A:THR:HG1	15	0.11
(1,298)	1:180:A:VAL:HG13	1:183:A:THR:HG1	15	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	2	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	2	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	2	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	2	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	2	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	2	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	2	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	2	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	2	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	10	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	10	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	10	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	10	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	10	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	10	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	10	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	10	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	10	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG21	13	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG22	13	0.11
(1,286)	1:184:A:ILE:HD11	1:188:A:THR:HG23	13	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG21	13	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG22	13	0.11
(1,286)	1:184:A:ILE:HD12	1:188:A:THR:HG23	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG21	13	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG22	13	0.11
(1,286)	1:184:A:ILE:HD13	1:188:A:THR:HG23	13	0.11
(1,284)	1:193:A:THR:HG21	1:194:A:LYS:HD2	14	0.11
(1,284)	1:193:A:THR:HG21	1:194:A:LYS:HD3	14	0.11
(1,284)	1:193:A:THR:HG22	1:194:A:LYS:HD2	14	0.11
(1,284)	1:193:A:THR:HG22	1:194:A:LYS:HD3	14	0.11
(1,284)	1:193:A:THR:HG23	1:194:A:LYS:HD2	14	0.11
(1,284)	1:193:A:THR:HG23	1:194:A:LYS:HD3	14	0.11
(1,284)	1:193:A:THR:HG21	1:194:A:LYS:HD2	17	0.11
(1,284)	1:193:A:THR:HG21	1:194:A:LYS:HD3	17	0.11
(1,284)	1:193:A:THR:HG22	1:194:A:LYS:HD2	17	0.11
(1,284)	1:193:A:THR:HG22	1:194:A:LYS:HD3	17	0.11
(1,284)	1:193:A:THR:HG23	1:194:A:LYS:HD2	17	0.11
(1,284)	1:193:A:THR:HG23	1:194:A:LYS:HD3	17	0.11
(1,269)	1:199:A:THR:HG21	1:200:A:GLU:HA	11	0.11
(1,269)	1:199:A:THR:HG22	1:200:A:GLU:HA	11	0.11
(1,269)	1:199:A:THR:HG23	1:200:A:GLU:HA	11	0.11
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	5	0.11
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	5	0.11
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	5	0.11
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	5	0.11
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	5	0.11
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	5	0.11
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	17	0.11
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	17	0.11
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	17	0.11
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	17	0.11
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	17	0.11
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	17	0.11
(1,219)	1:180:A:VAL:HA	1:183:A:THR:HG21	20	0.11
(1,219)	1:180:A:VAL:HA	1:183:A:THR:HG22	20	0.11
(1,219)	1:180:A:VAL:HA	1:183:A:THR:HG23	20	0.11
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	15	0.11
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	15	0.11
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	15	0.11
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	15	0.11
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	15	0.11
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	15	0.11
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	15	0.11
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	15	0.11
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG21	19	0.11
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG22	19	0.11
(1,206)	1:161:A:VAL:HG21	1:216:A:THR:HG23	19	0.11
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG21	19	0.11
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG22	19	0.11
(1,206)	1:161:A:VAL:HG22	1:216:A:THR:HG23	19	0.11
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG21	19	0.11
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG22	19	0.11
(1,206)	1:161:A:VAL:HG23	1:216:A:THR:HG23	19	0.11
(1,205)	1:216:A:THR:HG21	1:220:A:LYS:HD2	15	0.11
(1,205)	1:216:A:THR:HG21	1:220:A:LYS:HD3	15	0.11
(1,205)	1:216:A:THR:HG22	1:220:A:LYS:HD2	15	0.11
(1,205)	1:216:A:THR:HG22	1:220:A:LYS:HD3	15	0.11
(1,205)	1:216:A:THR:HG23	1:220:A:LYS:HD2	15	0.11
(1,205)	1:216:A:THR:HG23	1:220:A:LYS:HD3	15	0.11
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	1	0.11
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	1	0.11
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	1	0.11
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	1	0.11
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	1	0.11
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	1	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD21	1	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD22	1	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD23	1	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD21	10	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD22	10	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD23	10	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD21	14	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD22	14	0.11
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD23	14	0.11
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD1	12	0.11
(1,135)	1:125:A:LEU:HD21	1:162:A:TYR:HD2	12	0.11
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD1	12	0.11
(1,135)	1:125:A:LEU:HD22	1:162:A:TYR:HD2	12	0.11
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD1	12	0.11
(1,135)	1:125:A:LEU:HD23	1:162:A:TYR:HD2	12	0.11
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG11	17	0.11
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG12	17	0.11
(1,108)	1:172:A:GLN:HG3	1:215:A:VAL:HG13	17	0.11
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG11	17	0.11
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG12	17	0.11
(1,106)	1:214:A:CYS:HB3	1:215:A:VAL:HG13	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,41)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	10	0.11
(1,41)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	10	0.11
(1,41)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	10	0.11
(1,41)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	16	0.11
(1,41)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	16	0.11
(1,41)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	16	0.11
(1,13)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	2	0.11
(1,13)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	2	0.11
(1,13)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	2	0.11
(1,13)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	4	0.11
(1,13)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	4	0.11
(1,13)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	4	0.11
(1,13)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	7	0.11
(1,13)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	7	0.11
(1,13)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	7	0.11
(1,13)	1:182:A:ILE:HD11	1:185:A:LYS:HG2	12	0.11
(1,13)	1:182:A:ILE:HD12	1:185:A:LYS:HG2	12	0.11
(1,13)	1:182:A:ILE:HD13	1:185:A:LYS:HG2	12	0.11
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	8	0.11
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	8	0.11
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	8	0.11
(1,8)	1:204:A:LYS:HG2	1:205:A:MET:H	13	0.11
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	13	0.1
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	13	0.1
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	13	0.1
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	13	0.1
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	17	0.1
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	17	0.1
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	17	0.1
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	17	0.1
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	19	0.1
(1,5483)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	19	0.1
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	19	0.1
(1,5483)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	19	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	10	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	10	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	10	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	10	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	10	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	10	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	16	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	16	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	16	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	16	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	16	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE1	20	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE2	20	0.1
(1,5477)	1:157:A:TYR:HE1	1:206:A:MET:HE3	20	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE1	20	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE2	20	0.1
(1,5477)	1:157:A:TYR:HE2	1:206:A:MET:HE3	20	0.1
(1,5461)	1:171:A:ASN:HA	1:218:A:TYR:HE1	7	0.1
(1,5461)	1:171:A:ASN:HA	1:218:A:TYR:HE2	7	0.1
(1,5453)	1:171:A:ASN:H	1:218:A:TYR:HE1	5	0.1
(1,5453)	1:171:A:ASN:H	1:218:A:TYR:HE2	5	0.1
(1,5449)	1:145:A:TRP:HE3	1:149:A:TYR:HE1	7	0.1
(1,5449)	1:145:A:TRP:HE3	1:149:A:TYR:HE2	7	0.1
(1,5431)	1:130:A:LEU:H	1:162:A:TYR:HE1	4	0.1
(1,5431)	1:130:A:LEU:H	1:162:A:TYR:HE2	4	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	1	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	1	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	1	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	3	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	3	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	3	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	15	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	15	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	15	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG21	18	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG22	18	0.1
(1,5412)	1:187:A:HIS:HD2	1:188:A:THR:HG23	18	0.1
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE1	4	0.1
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE2	4	0.1
(1,5410)	1:187:A:HIS:HD2	1:206:A:MET:HE3	4	0.1
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE1	8	0.1
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE2	8	0.1
(1,5393)	1:145:A:TRP:HE3	1:205:A:MET:HE3	8	0.1
(1,5371)	1:139:A:ILE:HG21	1:141:A:PHE:HZ	11	0.1
(1,5371)	1:139:A:ILE:HG22	1:141:A:PHE:HZ	11	0.1
(1,5371)	1:139:A:ILE:HG23	1:141:A:PHE:HZ	11	0.1
(1,5317)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	4	0.1
(1,5317)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	4	0.1
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG11	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG12	13	0.1
(1,5261)	1:175:A:PHE:HD1	1:176:A:VAL:HG13	13	0.1
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG11	13	0.1
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG12	13	0.1
(1,5261)	1:175:A:PHE:HD2	1:176:A:VAL:HG13	13	0.1
(1,5248)	1:153:A:ASN:HA	1:155:A:TYR:HD1	20	0.1
(1,5248)	1:153:A:ASN:HA	1:155:A:TYR:HD2	20	0.1
(1,5237)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	16	0.1
(1,5237)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	16	0.1
(1,5237)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	17	0.1
(1,5237)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	17	0.1
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	7	0.1
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	7	0.1
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	7	0.1
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	7	0.1
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	17	0.1
(1,5233)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	17	0.1
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	17	0.1
(1,5233)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	17	0.1
(1,5231)	1:225:A:TYR:H	1:226:A:TYR:HD1	1	0.1
(1,5231)	1:225:A:TYR:H	1:226:A:TYR:HD2	1	0.1
(1,5231)	1:225:A:TYR:H	1:226:A:TYR:HD1	16	0.1
(1,5231)	1:225:A:TYR:H	1:226:A:TYR:HD2	16	0.1
(1,5214)	1:138:A:MET:HA	1:150:A:TYR:HD1	17	0.1
(1,5214)	1:138:A:MET:HA	1:150:A:TYR:HD2	17	0.1
(1,5210)	1:150:A:TYR:H	1:150:A:TYR:HD1	1	0.1
(1,5210)	1:150:A:TYR:H	1:150:A:TYR:HD2	1	0.1
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	5	0.1
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	5	0.1
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	5	0.1
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG21	7	0.1
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG22	7	0.1
(1,5188)	1:145:A:TRP:HE1	1:201:A:THR:HG23	7	0.1
(1,5115)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	3	0.1
(1,5115)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	3	0.1
(1,5115)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	3	0.1
(1,5115)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	7	0.1
(1,5115)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	7	0.1
(1,5115)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	7	0.1
(1,5115)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	14	0.1
(1,5115)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	14	0.1
(1,5115)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5105)	1:212:A:GLN:HE21	1:215:A:VAL:HG11	3	0.1
(1,5105)	1:212:A:GLN:HE21	1:215:A:VAL:HG12	3	0.1
(1,5105)	1:212:A:GLN:HE21	1:215:A:VAL:HG13	3	0.1
(1,5051)	1:192:A:THR:HG21	1:197:A:ASN:HD21	18	0.1
(1,5051)	1:192:A:THR:HG22	1:197:A:ASN:HD21	18	0.1
(1,5051)	1:192:A:THR:HG23	1:197:A:ASN:HD21	18	0.1
(1,5043)	1:197:A:ASN:HD21	1:199:A:THR:HG21	12	0.1
(1,5043)	1:197:A:ASN:HD21	1:199:A:THR:HG22	12	0.1
(1,5043)	1:197:A:ASN:HD21	1:199:A:THR:HG23	12	0.1
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	1	0.1
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	1	0.1
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	5	0.1
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	5	0.1
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	9	0.1
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	9	0.1
(1,5005)	1:141:A:PHE:HD1	1:143:A:ASN:H	15	0.1
(1,5005)	1:141:A:PHE:HD2	1:143:A:ASN:H	15	0.1
(1,4996)	1:143:A:ASN:H	1:147:A:ASP:HB3	15	0.1
(1,4983)	1:191:A:THR:H	1:194:A:LYS:H	18	0.1
(1,4949)	1:210:A:VAL:HG21	1:212:A:GLN:H	1	0.1
(1,4949)	1:210:A:VAL:HG22	1:212:A:GLN:H	1	0.1
(1,4949)	1:210:A:VAL:HG23	1:212:A:GLN:H	1	0.1
(1,4949)	1:210:A:VAL:HG21	1:212:A:GLN:H	15	0.1
(1,4949)	1:210:A:VAL:HG22	1:212:A:GLN:H	15	0.1
(1,4949)	1:210:A:VAL:HG23	1:212:A:GLN:H	15	0.1
(1,4931)	1:173:A:ASN:H	1:173:A:ASN:HB3	14	0.1
(1,4930)	1:171:A:ASN:HB2	1:173:A:ASN:H	10	0.1
(1,4930)	1:171:A:ASN:HB3	1:173:A:ASN:H	10	0.1
(1,4890)	1:191:A:THR:HG21	1:193:A:THR:H	9	0.1
(1,4890)	1:191:A:THR:HG22	1:193:A:THR:H	9	0.1
(1,4890)	1:191:A:THR:HG23	1:193:A:THR:H	9	0.1
(1,4890)	1:191:A:THR:HG21	1:193:A:THR:H	19	0.1
(1,4890)	1:191:A:THR:HG22	1:193:A:THR:H	19	0.1
(1,4890)	1:191:A:THR:HG23	1:193:A:THR:H	19	0.1
(1,4885)	1:182:A:ILE:HG12	1:186:A:GLN:H	19	0.1
(1,4885)	1:182:A:ILE:HG13	1:186:A:GLN:H	19	0.1
(1,4862)	1:166:A:VAL:HG21	1:170:A:SER:H	11	0.1
(1,4862)	1:166:A:VAL:HG22	1:170:A:SER:H	11	0.1
(1,4862)	1:166:A:VAL:HG23	1:170:A:SER:H	11	0.1
(1,4862)	1:166:A:VAL:HG21	1:170:A:SER:H	18	0.1
(1,4862)	1:166:A:VAL:HG22	1:170:A:SER:H	18	0.1
(1,4862)	1:166:A:VAL:HG23	1:170:A:SER:H	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	2	0.1
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	2	0.1
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	2	0.1
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG21	16	0.1
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG22	16	0.1
(1,4810)	1:128:A:TYR:H	1:182:A:ILE:HG23	16	0.1
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG11	17	0.1
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG12	17	0.1
(1,4702)	1:214:A:CYS:H	1:215:A:VAL:HG13	17	0.1
(1,4645)	1:166:A:VAL:HB	1:225:A:TYR:H	5	0.1
(1,4615)	1:192:A:THR:HG21	1:197:A:ASN:H	12	0.1
(1,4615)	1:192:A:THR:HG22	1:197:A:ASN:H	12	0.1
(1,4615)	1:192:A:THR:HG23	1:197:A:ASN:H	12	0.1
(1,4611)	1:191:A:THR:HB	1:197:A:ASN:H	6	0.1
(1,4611)	1:191:A:THR:HB	1:197:A:ASN:H	7	0.1
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA2	17	0.1
(1,4567)	1:227:A:ASP:H	1:228:A:GLY:HA3	17	0.1
(1,4457)	1:166:A:VAL:HG11	1:169:A:ALA:H	15	0.1
(1,4457)	1:166:A:VAL:HG12	1:169:A:ALA:H	15	0.1
(1,4457)	1:166:A:VAL:HG13	1:169:A:ALA:H	15	0.1
(1,4448)	1:169:A:ALA:H	1:225:A:TYR:HE1	20	0.1
(1,4448)	1:169:A:ALA:H	1:225:A:TYR:HE2	20	0.1
(1,4441)	1:229:A:ARG:HG2	1:230:A:ARG:H	10	0.1
(1,4441)	1:229:A:ARG:HG3	1:230:A:ARG:H	10	0.1
(1,4441)	1:229:A:ARG:HG2	1:230:A:ARG:H	12	0.1
(1,4441)	1:229:A:ARG:HG3	1:230:A:ARG:H	12	0.1
(1,4436)	1:229:A:ARG:HA	1:230:A:ARG:H	16	0.1
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG11	2	0.1
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG12	2	0.1
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG13	2	0.1
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG11	13	0.1
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG12	13	0.1
(1,4398)	1:175:A:PHE:H	1:176:A:VAL:HG13	13	0.1
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	2	0.1
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	2	0.1
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	2	0.1
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	3	0.1
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	3	0.1
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	3	0.1
(1,4347)	1:139:A:ILE:HD11	1:208:A:ARG:HE	15	0.1
(1,4347)	1:139:A:ILE:HD12	1:208:A:ARG:HE	15	0.1
(1,4347)	1:139:A:ILE:HD13	1:208:A:ARG:HE	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4191)	1:185:A:LYS:HA	1:185:A:LYS:HD2	20	0.1
(1,4191)	1:185:A:LYS:HA	1:185:A:LYS:HD3	20	0.1
(1,4093)	1:210:A:VAL:HB	1:211:A:GLU:H	2	0.1
(1,4093)	1:210:A:VAL:HB	1:211:A:GLU:H	7	0.1
(1,4077)	1:175:A:PHE:H	1:176:A:VAL:HB	10	0.1
(1,4077)	1:175:A:PHE:H	1:176:A:VAL:HB	16	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG21	1	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG22	1	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG23	1	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG21	19	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG22	19	0.1
(1,4041)	1:137:A:PRO:HB2	1:139:A:ILE:HG23	19	0.1
(1,3988)	1:166:A:VAL:H	1:166:A:VAL:HB	5	0.1
(1,3987)	1:191:A:THR:HG21	1:196:A:GLU:HA	13	0.1
(1,3987)	1:191:A:THR:HG22	1:196:A:GLU:HA	13	0.1
(1,3987)	1:191:A:THR:HG23	1:196:A:GLU:HA	13	0.1
(1,3965)	1:184:A:ILE:HD11	1:206:A:MET:HB2	7	0.1
(1,3965)	1:184:A:ILE:HD12	1:206:A:MET:HB2	7	0.1
(1,3965)	1:184:A:ILE:HD13	1:206:A:MET:HB2	7	0.1
(1,3962)	1:156:A:ARG:HA	1:156:A:ARG:HD2	13	0.1
(1,3894)	1:141:A:PHE:HZ	1:205:A:MET:HG3	9	0.1
(1,3869)	1:172:A:GLN:HG2	1:218:A:TYR:HE1	3	0.1
(1,3869)	1:172:A:GLN:HG2	1:218:A:TYR:HE2	3	0.1
(1,3869)	1:172:A:GLN:HG2	1:218:A:TYR:HE1	9	0.1
(1,3869)	1:172:A:GLN:HG2	1:218:A:TYR:HE2	9	0.1
(1,3867)	1:161:A:VAL:HB	1:162:A:TYR:H	9	0.1
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG12	11	0.1
(1,3862)	1:178:A:ASP:HA	1:182:A:ILE:HG13	11	0.1
(1,3856)	1:182:A:ILE:HD11	1:185:A:LYS:HE2	20	0.1
(1,3856)	1:182:A:ILE:HD11	1:185:A:LYS:HE3	20	0.1
(1,3856)	1:182:A:ILE:HD12	1:185:A:LYS:HE2	20	0.1
(1,3856)	1:182:A:ILE:HD12	1:185:A:LYS:HE3	20	0.1
(1,3856)	1:182:A:ILE:HD13	1:185:A:LYS:HE2	20	0.1
(1,3856)	1:182:A:ILE:HD13	1:185:A:LYS:HE3	20	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD11	13	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD12	13	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD13	13	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD11	20	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD12	20	0.1
(1,3853)	1:163:A:TYR:HA	1:182:A:ILE:HD13	20	0.1
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	10	0.1
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3849)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	10	0.1
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	10	0.1
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	10	0.1
(1,3849)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	10	0.1
(1,3814)	1:204:A:LYS:HA	1:207:A:GLU:HG2	1	0.1
(1,3742)	1:184:A:ILE:HD11	1:208:A:ARG:H	18	0.1
(1,3742)	1:184:A:ILE:HD12	1:208:A:ARG:H	18	0.1
(1,3742)	1:184:A:ILE:HD13	1:208:A:ARG:H	18	0.1
(1,3699)	1:216:A:THR:HG21	1:220:A:LYS:HA	12	0.1
(1,3699)	1:216:A:THR:HG22	1:220:A:LYS:HA	12	0.1
(1,3699)	1:216:A:THR:HG23	1:220:A:LYS:HA	12	0.1
(1,3682)	1:206:A:MET:HA	1:209:A:VAL:HB	18	0.1
(1,3638)	1:134:A:MET:HB3	1:135:A:SER:HA	6	0.1
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB2	13	0.1
(1,3586)	1:170:A:SER:H	1:174:A:ASN:HB3	13	0.1
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE1	5	0.1
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE2	5	0.1
(1,3534)	1:184:A:ILE:HD11	1:206:A:MET:HE3	5	0.1
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE1	5	0.1
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE2	5	0.1
(1,3534)	1:184:A:ILE:HD12	1:206:A:MET:HE3	5	0.1
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE1	5	0.1
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE2	5	0.1
(1,3534)	1:184:A:ILE:HD13	1:206:A:MET:HE3	5	0.1
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE1	20	0.1
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE2	20	0.1
(1,3494)	1:137:A:PRO:HA	1:138:A:MET:HE3	20	0.1
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE1	2	0.1
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE2	2	0.1
(1,3481)	1:134:A:MET:HG3	1:213:A:MET:HE3	2	0.1
(1,3476)	1:213:A:MET:H	1:213:A:MET:HE1	13	0.1
(1,3476)	1:213:A:MET:H	1:213:A:MET:HE2	13	0.1
(1,3476)	1:213:A:MET:H	1:213:A:MET:HE3	13	0.1
(1,3456)	1:135:A:SER:HB2	1:136:A:ARG:H	6	0.1
(1,3445)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	19	0.1
(1,3445)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	19	0.1
(1,3445)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	19	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE1	1	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE2	1	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE3	1	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE1	2	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE2	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE3	2	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE1	4	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE2	4	0.1
(1,3430)	1:129:A:MET:HA	1:129:A:MET:HE3	4	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD1	1	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD2	1	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD1	1	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD2	1	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD1	1	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD2	1	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD1	2	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD2	2	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD1	2	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD2	2	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD1	2	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD2	2	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD1	3	0.1
(1,3429)	1:129:A:MET:HE1	1:163:A:TYR:HD2	3	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD1	3	0.1
(1,3429)	1:129:A:MET:HE2	1:163:A:TYR:HD2	3	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD1	3	0.1
(1,3429)	1:129:A:MET:HE3	1:163:A:TYR:HD2	3	0.1
(1,3424)	1:136:A:ARG:HE	1:154:A:MET:HE1	1	0.1
(1,3424)	1:136:A:ARG:HE	1:154:A:MET:HE2	1	0.1
(1,3424)	1:136:A:ARG:HE	1:154:A:MET:HE3	1	0.1
(1,3417)	1:150:A:TYR:HD1	1:154:A:MET:HE1	3	0.1
(1,3417)	1:150:A:TYR:HD1	1:154:A:MET:HE2	3	0.1
(1,3417)	1:150:A:TYR:HD1	1:154:A:MET:HE3	3	0.1
(1,3417)	1:150:A:TYR:HD2	1:154:A:MET:HE1	3	0.1
(1,3417)	1:150:A:TYR:HD2	1:154:A:MET:HE2	3	0.1
(1,3417)	1:150:A:TYR:HD2	1:154:A:MET:HE3	3	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD2	10	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD3	10	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD2	10	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD3	10	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD2	10	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD3	10	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD2	12	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD3	12	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD2	12	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD3	12	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD2	12	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD3	12	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD2	19	0.1
(1,3390)	1:134:A:MET:HE1	1:220:A:LYS:HD3	19	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD2	19	0.1
(1,3390)	1:134:A:MET:HE2	1:220:A:LYS:HD3	19	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD2	19	0.1
(1,3390)	1:134:A:MET:HE3	1:220:A:LYS:HD3	19	0.1
(1,3388)	1:134:A:MET:HE1	1:217:A:GLN:HB2	14	0.1
(1,3388)	1:134:A:MET:HE2	1:217:A:GLN:HB2	14	0.1
(1,3388)	1:134:A:MET:HE3	1:217:A:GLN:HB2	14	0.1
(1,3379)	1:134:A:MET:HE1	1:216:A:THR:H	10	0.1
(1,3379)	1:134:A:MET:HE2	1:216:A:THR:H	10	0.1
(1,3379)	1:134:A:MET:HE3	1:216:A:THR:H	10	0.1
(1,3377)	1:134:A:MET:HE1	1:161:A:VAL:H	2	0.1
(1,3377)	1:134:A:MET:HE2	1:161:A:VAL:H	2	0.1
(1,3377)	1:134:A:MET:HE3	1:161:A:VAL:H	2	0.1
(1,3377)	1:134:A:MET:HE1	1:161:A:VAL:H	10	0.1
(1,3377)	1:134:A:MET:HE2	1:161:A:VAL:H	10	0.1
(1,3377)	1:134:A:MET:HE3	1:161:A:VAL:H	10	0.1
(1,3377)	1:134:A:MET:HE1	1:161:A:VAL:H	19	0.1
(1,3377)	1:134:A:MET:HE2	1:161:A:VAL:H	19	0.1
(1,3377)	1:134:A:MET:HE3	1:161:A:VAL:H	19	0.1
(1,3375)	1:134:A:MET:HE1	1:214:A:CYS:H	4	0.1
(1,3375)	1:134:A:MET:HE2	1:214:A:CYS:H	4	0.1
(1,3375)	1:134:A:MET:HE3	1:214:A:CYS:H	4	0.1
(1,3349)	1:120:A:SER:HB2	1:121:A:VAL:HA	18	0.1
(1,3349)	1:120:A:SER:HB3	1:121:A:VAL:HA	18	0.1
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE1	16	0.1
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE2	16	0.1
(1,3331)	1:201:A:THR:HG21	1:205:A:MET:HE3	16	0.1
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE1	16	0.1
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE2	16	0.1
(1,3331)	1:201:A:THR:HG22	1:205:A:MET:HE3	16	0.1
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE1	16	0.1
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE2	16	0.1
(1,3331)	1:201:A:THR:HG23	1:205:A:MET:HE3	16	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE1	9	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE2	9	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE3	9	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE1	13	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE2	13	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE3	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE1	19	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE2	19	0.1
(1,3327)	1:204:A:LYS:HB3	1:205:A:MET:HE3	19	0.1
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE1	17	0.1
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE2	17	0.1
(1,3320)	1:150:A:TYR:HA	1:205:A:MET:HE3	17	0.1
(1,3258)	1:179:A:CYS:HA	1:182:A:ILE:HG21	3	0.1
(1,3258)	1:179:A:CYS:HA	1:182:A:ILE:HG22	3	0.1
(1,3258)	1:179:A:CYS:HA	1:182:A:ILE:HG23	3	0.1
(1,3252)	1:182:A:ILE:H	1:182:A:ILE:HG21	14	0.1
(1,3252)	1:182:A:ILE:H	1:182:A:ILE:HG22	14	0.1
(1,3252)	1:182:A:ILE:H	1:182:A:ILE:HG23	14	0.1
(1,3231)	1:182:A:ILE:HA	1:185:A:LYS:HE2	18	0.1
(1,3231)	1:182:A:ILE:HA	1:185:A:LYS:HE3	18	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE2	11	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE3	11	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE2	13	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE3	13	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE2	15	0.1
(1,3225)	1:192:A:THR:H	1:194:A:LYS:HE3	15	0.1
(1,3199)	1:208:A:ARG:HA	1:208:A:ARG:HD2	5	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD2	6	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD3	6	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD2	16	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD3	16	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD2	19	0.1
(1,3182)	1:226:A:TYR:HA	1:229:A:ARG:HD3	19	0.1
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	5	0.1
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	5	0.1
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	5	0.1
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	5	0.1
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	10	0.1
(1,3166)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	10	0.1
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	10	0.1
(1,3166)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	10	0.1
(1,3165)	1:148:A:ARG:HD2	1:149:A:TYR:HA	1	0.1
(1,3165)	1:148:A:ARG:HD3	1:149:A:TYR:HA	1	0.1
(1,3028)	1:186:A:GLN:HB3	1:190:A:THR:HG21	8	0.1
(1,3028)	1:186:A:GLN:HB3	1:190:A:THR:HG22	8	0.1
(1,3028)	1:186:A:GLN:HB3	1:190:A:THR:HG23	8	0.1
(1,3015)	1:199:A:THR:HG21	1:200:A:GLU:HA	8	0.1
(1,3015)	1:199:A:THR:HG22	1:200:A:GLU:HA	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3015)	1:199:A:THR:HG23	1:200:A:GLU:HA	8	0.1
(1,3015)	1:199:A:THR:HG21	1:200:A:GLU:HA	20	0.1
(1,3015)	1:199:A:THR:HG22	1:200:A:GLU:HA	20	0.1
(1,3015)	1:199:A:THR:HG23	1:200:A:GLU:HA	20	0.1
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG21	1	0.1
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG22	1	0.1
(1,3012)	1:198:A:PHE:HD1	1:199:A:THR:HG23	1	0.1
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG21	1	0.1
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG22	1	0.1
(1,3012)	1:198:A:PHE:HD2	1:199:A:THR:HG23	1	0.1
(1,2893)	1:126:A:GLY:HA3	1:128:A:TYR:H	11	0.1
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	3	0.1
(1,2890)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	3	0.1
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	3	0.1
(1,2890)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	3	0.1
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	3	0.1
(1,2890)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	3	0.1
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD21	3	0.1
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD22	3	0.1
(1,2884)	1:125:A:LEU:HA	1:125:A:LEU:HD23	3	0.1
(1,2872)	1:161:A:VAL:HG11	1:214:A:CYS:HA	19	0.1
(1,2872)	1:161:A:VAL:HG12	1:214:A:CYS:HA	19	0.1
(1,2872)	1:161:A:VAL:HG13	1:214:A:CYS:HA	19	0.1
(1,2814)	1:184:A:ILE:HD11	1:210:A:VAL:HG11	17	0.1
(1,2814)	1:184:A:ILE:HD11	1:210:A:VAL:HG12	17	0.1
(1,2814)	1:184:A:ILE:HD11	1:210:A:VAL:HG13	17	0.1
(1,2814)	1:184:A:ILE:HD12	1:210:A:VAL:HG11	17	0.1
(1,2814)	1:184:A:ILE:HD12	1:210:A:VAL:HG12	17	0.1
(1,2814)	1:184:A:ILE:HD12	1:210:A:VAL:HG13	17	0.1
(1,2814)	1:184:A:ILE:HD13	1:210:A:VAL:HG11	17	0.1
(1,2814)	1:184:A:ILE:HD13	1:210:A:VAL:HG12	17	0.1
(1,2814)	1:184:A:ILE:HD13	1:210:A:VAL:HG13	17	0.1
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG11	14	0.1
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG12	14	0.1
(1,2806)	1:183:A:THR:HG1	1:210:A:VAL:HG13	14	0.1
(1,2787)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	20	0.1
(1,2787)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	20	0.1
(1,2787)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	20	0.1
(1,2756)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	16	0.1
(1,2756)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	16	0.1
(1,2756)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	16	0.1
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	13	0.1
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	13	0.1
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	13	0.1
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	17	0.1
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	17	0.1
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	17	0.1
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	17	0.1
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE1	19	0.1
(1,2737)	1:150:A:TYR:HE1	1:157:A:TYR:HE2	19	0.1
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE1	19	0.1
(1,2737)	1:150:A:TYR:HE2	1:157:A:TYR:HE2	19	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	10	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	10	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	10	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	10	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	10	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	10	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	16	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	16	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	16	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	16	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	16	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	16	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE1	20	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE2	20	0.1
(1,2731)	1:157:A:TYR:HE1	1:206:A:MET:HE3	20	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE1	20	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE2	20	0.1
(1,2731)	1:157:A:TYR:HE2	1:206:A:MET:HE3	20	0.1
(1,2715)	1:171:A:ASN:HA	1:218:A:TYR:HE1	7	0.1
(1,2715)	1:171:A:ASN:HA	1:218:A:TYR:HE2	7	0.1
(1,2707)	1:171:A:ASN:H	1:218:A:TYR:HE1	5	0.1
(1,2707)	1:171:A:ASN:H	1:218:A:TYR:HE2	5	0.1
(1,2703)	1:145:A:TRP:HE3	1:149:A:TYR:HE1	7	0.1
(1,2703)	1:145:A:TRP:HE3	1:149:A:TYR:HE2	7	0.1
(1,2685)	1:130:A:LEU:H	1:162:A:TYR:HE1	4	0.1
(1,2685)	1:130:A:LEU:H	1:162:A:TYR:HE2	4	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	1	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	1	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	1	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	3	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	3	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	15	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	15	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	15	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG21	18	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG22	18	0.1
(1,2666)	1:187:A:HIS:HD2	1:188:A:THR:HG23	18	0.1
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE1	4	0.1
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE2	4	0.1
(1,2664)	1:187:A:HIS:HD2	1:206:A:MET:HE3	4	0.1
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE1	8	0.1
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE2	8	0.1
(1,2647)	1:145:A:TRP:HE3	1:205:A:MET:HE3	8	0.1
(1,2625)	1:139:A:ILE:HG21	1:141:A:PHE:HZ	11	0.1
(1,2625)	1:139:A:ILE:HG22	1:141:A:PHE:HZ	11	0.1
(1,2625)	1:139:A:ILE:HG23	1:141:A:PHE:HZ	11	0.1
(1,2571)	1:141:A:PHE:HD1	1:147:A:ASP:HB3	4	0.1
(1,2571)	1:141:A:PHE:HD2	1:147:A:ASP:HB3	4	0.1
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG11	13	0.1
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG12	13	0.1
(1,2515)	1:175:A:PHE:HD1	1:176:A:VAL:HG13	13	0.1
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG11	13	0.1
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG12	13	0.1
(1,2515)	1:175:A:PHE:HD2	1:176:A:VAL:HG13	13	0.1
(1,2502)	1:153:A:ASN:HA	1:155:A:TYR:HD1	20	0.1
(1,2502)	1:153:A:ASN:HA	1:155:A:TYR:HD2	20	0.1
(1,2491)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	16	0.1
(1,2491)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	16	0.1
(1,2491)	1:226:A:TYR:HD1	1:230:A:ARG:HB2	17	0.1
(1,2491)	1:226:A:TYR:HD2	1:230:A:ARG:HB2	17	0.1
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	7	0.1
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	7	0.1
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	7	0.1
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	7	0.1
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD1	17	0.1
(1,2487)	1:225:A:TYR:HD1	1:226:A:TYR:HD2	17	0.1
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD1	17	0.1
(1,2487)	1:225:A:TYR:HD2	1:226:A:TYR:HD2	17	0.1
(1,2485)	1:225:A:TYR:H	1:226:A:TYR:HD1	1	0.1
(1,2485)	1:225:A:TYR:H	1:226:A:TYR:HD2	1	0.1
(1,2485)	1:225:A:TYR:H	1:226:A:TYR:HD1	16	0.1
(1,2485)	1:225:A:TYR:H	1:226:A:TYR:HD2	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2468)	1:138:A:MET:HA	1:150:A:TYR:HD1	17	0.1
(1,2468)	1:138:A:MET:HA	1:150:A:TYR:HD2	17	0.1
(1,2464)	1:150:A:TYR:H	1:150:A:TYR:HD1	1	0.1
(1,2464)	1:150:A:TYR:H	1:150:A:TYR:HD2	1	0.1
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	5	0.1
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	5	0.1
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	5	0.1
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG21	7	0.1
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG22	7	0.1
(1,2442)	1:145:A:TRP:HE1	1:201:A:THR:HG23	7	0.1
(1,2369)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	3	0.1
(1,2369)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	3	0.1
(1,2369)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	3	0.1
(1,2369)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	7	0.1
(1,2369)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	7	0.1
(1,2369)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	7	0.1
(1,2369)	1:139:A:ILE:HD11	1:212:A:GLN:HE22	14	0.1
(1,2369)	1:139:A:ILE:HD12	1:212:A:GLN:HE22	14	0.1
(1,2369)	1:139:A:ILE:HD13	1:212:A:GLN:HE22	14	0.1
(1,2359)	1:212:A:GLN:HE21	1:215:A:VAL:HG11	3	0.1
(1,2359)	1:212:A:GLN:HE21	1:215:A:VAL:HG12	3	0.1
(1,2359)	1:212:A:GLN:HE21	1:215:A:VAL:HG13	3	0.1
(1,2305)	1:192:A:THR:HG21	1:197:A:ASN:HD21	18	0.1
(1,2305)	1:192:A:THR:HG22	1:197:A:ASN:HD21	18	0.1
(1,2305)	1:192:A:THR:HG23	1:197:A:ASN:HD21	18	0.1
(1,2297)	1:197:A:ASN:HD21	1:199:A:THR:HG21	12	0.1
(1,2297)	1:197:A:ASN:HD21	1:199:A:THR:HG22	12	0.1
(1,2297)	1:197:A:ASN:HD21	1:199:A:THR:HG23	12	0.1
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	1	0.1
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	1	0.1
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	5	0.1
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	5	0.1
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	9	0.1
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	9	0.1
(1,2259)	1:141:A:PHE:HD1	1:143:A:ASN:H	15	0.1
(1,2259)	1:141:A:PHE:HD2	1:143:A:ASN:H	15	0.1
(1,2250)	1:143:A:ASN:H	1:147:A:ASP:HB3	15	0.1
(1,2237)	1:191:A:THR:H	1:194:A:LYS:H	18	0.1
(1,2203)	1:210:A:VAL:HG21	1:212:A:GLN:H	1	0.1
(1,2203)	1:210:A:VAL:HG22	1:212:A:GLN:H	1	0.1
(1,2203)	1:210:A:VAL:HG23	1:212:A:GLN:H	1	0.1
(1,2203)	1:210:A:VAL:HG21	1:212:A:GLN:H	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2203)	1:210:A:VAL:HG22	1:212:A:GLN:H	15	0.1
(1,2203)	1:210:A:VAL:HG23	1:212:A:GLN:H	15	0.1
(1,2185)	1:173:A:ASN:H	1:173:A:ASN:HB3	14	0.1
(1,2184)	1:171:A:ASN:HB2	1:173:A:ASN:H	10	0.1
(1,2184)	1:171:A:ASN:HB3	1:173:A:ASN:H	10	0.1
(1,2144)	1:191:A:THR:HG21	1:193:A:THR:H	9	0.1
(1,2144)	1:191:A:THR:HG22	1:193:A:THR:H	9	0.1
(1,2144)	1:191:A:THR:HG23	1:193:A:THR:H	9	0.1
(1,2144)	1:191:A:THR:HG21	1:193:A:THR:H	19	0.1
(1,2144)	1:191:A:THR:HG22	1:193:A:THR:H	19	0.1
(1,2144)	1:191:A:THR:HG23	1:193:A:THR:H	19	0.1
(1,2139)	1:182:A:ILE:HG12	1:186:A:GLN:H	19	0.1
(1,2139)	1:182:A:ILE:HG13	1:186:A:GLN:H	19	0.1
(1,2116)	1:166:A:VAL:HG21	1:170:A:SER:H	11	0.1
(1,2116)	1:166:A:VAL:HG22	1:170:A:SER:H	11	0.1
(1,2116)	1:166:A:VAL:HG23	1:170:A:SER:H	11	0.1
(1,2116)	1:166:A:VAL:HG21	1:170:A:SER:H	18	0.1
(1,2116)	1:166:A:VAL:HG22	1:170:A:SER:H	18	0.1
(1,2116)	1:166:A:VAL:HG23	1:170:A:SER:H	18	0.1
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	2	0.1
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	2	0.1
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	2	0.1
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG21	16	0.1
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG22	16	0.1
(1,2064)	1:128:A:TYR:H	1:182:A:ILE:HG23	16	0.1
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG11	17	0.1
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG12	17	0.1
(1,1956)	1:214:A:CYS:H	1:215:A:VAL:HG13	17	0.1
(1,1899)	1:166:A:VAL:HB	1:225:A:TYR:H	5	0.1
(1,1869)	1:192:A:THR:HG21	1:197:A:ASN:H	12	0.1
(1,1869)	1:192:A:THR:HG22	1:197:A:ASN:H	12	0.1
(1,1869)	1:192:A:THR:HG23	1:197:A:ASN:H	12	0.1
(1,1865)	1:191:A:THR:HB	1:197:A:ASN:H	6	0.1
(1,1865)	1:191:A:THR:HB	1:197:A:ASN:H	7	0.1
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA2	17	0.1
(1,1821)	1:227:A:ASP:H	1:228:A:GLY:HA3	17	0.1
(1,1711)	1:166:A:VAL:HG11	1:169:A:ALA:H	15	0.1
(1,1711)	1:166:A:VAL:HG12	1:169:A:ALA:H	15	0.1
(1,1711)	1:166:A:VAL:HG13	1:169:A:ALA:H	15	0.1
(1,1702)	1:169:A:ALA:H	1:225:A:TYR:HE1	20	0.1
(1,1702)	1:169:A:ALA:H	1:225:A:TYR:HE2	20	0.1
(1,1695)	1:229:A:ARG:HG2	1:230:A:ARG:H	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1695)	1:229:A:ARG:HG3	1:230:A:ARG:H	10	0.1
(1,1695)	1:229:A:ARG:HG2	1:230:A:ARG:H	12	0.1
(1,1695)	1:229:A:ARG:HG3	1:230:A:ARG:H	12	0.1
(1,1690)	1:229:A:ARG:HA	1:230:A:ARG:H	16	0.1
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG11	2	0.1
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG12	2	0.1
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG13	2	0.1
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG11	13	0.1
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG12	13	0.1
(1,1652)	1:175:A:PHE:H	1:176:A:VAL:HG13	13	0.1
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	2	0.1
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	2	0.1
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	2	0.1
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	3	0.1
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	3	0.1
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	3	0.1
(1,1601)	1:139:A:ILE:HD11	1:208:A:ARG:HE	15	0.1
(1,1601)	1:139:A:ILE:HD12	1:208:A:ARG:HE	15	0.1
(1,1601)	1:139:A:ILE:HD13	1:208:A:ARG:HE	15	0.1
(1,1445)	1:185:A:LYS:HA	1:185:A:LYS:HD2	20	0.1
(1,1445)	1:185:A:LYS:HA	1:185:A:LYS:HD3	20	0.1
(1,1347)	1:210:A:VAL:HB	1:211:A:GLU:H	2	0.1
(1,1347)	1:210:A:VAL:HB	1:211:A:GLU:H	7	0.1
(1,1331)	1:175:A:PHE:H	1:176:A:VAL:HB	10	0.1
(1,1331)	1:175:A:PHE:H	1:176:A:VAL:HB	16	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG21	1	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG22	1	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG23	1	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG21	19	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG22	19	0.1
(1,1295)	1:137:A:PRO:HB2	1:139:A:ILE:HG23	19	0.1
(1,1242)	1:166:A:VAL:H	1:166:A:VAL:HB	5	0.1
(1,1241)	1:191:A:THR:HG21	1:196:A:GLU:HA	13	0.1
(1,1241)	1:191:A:THR:HG22	1:196:A:GLU:HA	13	0.1
(1,1241)	1:191:A:THR:HG23	1:196:A:GLU:HA	13	0.1
(1,1219)	1:184:A:ILE:HD11	1:206:A:MET:HB2	7	0.1
(1,1219)	1:184:A:ILE:HD12	1:206:A:MET:HB2	7	0.1
(1,1219)	1:184:A:ILE:HD13	1:206:A:MET:HB2	7	0.1
(1,1216)	1:156:A:ARG:HA	1:156:A:ARG:HD2	13	0.1
(1,1148)	1:141:A:PHE:HZ	1:205:A:MET:HG3	9	0.1
(1,1123)	1:172:A:GLN:HG2	1:218:A:TYR:HE1	3	0.1
(1,1123)	1:172:A:GLN:HG2	1:218:A:TYR:HE2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1123)	1:172:A:GLN:HG2	1:218:A:TYR:HE1	9	0.1
(1,1123)	1:172:A:GLN:HG2	1:218:A:TYR:HE2	9	0.1
(1,1121)	1:161:A:VAL:HB	1:162:A:TYR:H	9	0.1
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG12	11	0.1
(1,1116)	1:178:A:ASP:HA	1:182:A:ILE:HG13	11	0.1
(1,1110)	1:182:A:ILE:HD11	1:185:A:LYS:HE2	20	0.1
(1,1110)	1:182:A:ILE:HD11	1:185:A:LYS:HE3	20	0.1
(1,1110)	1:182:A:ILE:HD12	1:185:A:LYS:HE2	20	0.1
(1,1110)	1:182:A:ILE:HD12	1:185:A:LYS:HE3	20	0.1
(1,1110)	1:182:A:ILE:HD13	1:185:A:LYS:HE2	20	0.1
(1,1110)	1:182:A:ILE:HD13	1:185:A:LYS:HE3	20	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD11	13	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD12	13	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD13	13	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD11	20	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD12	20	0.1
(1,1107)	1:163:A:TYR:HA	1:182:A:ILE:HD13	20	0.1
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD11	10	0.1
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD12	10	0.1
(1,1103)	1:128:A:TYR:HD1	1:182:A:ILE:HD13	10	0.1
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD11	10	0.1
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD12	10	0.1
(1,1103)	1:128:A:TYR:HD2	1:182:A:ILE:HD13	10	0.1
(1,1068)	1:204:A:LYS:HA	1:207:A:GLU:HG2	1	0.1
(1,996)	1:184:A:ILE:HD11	1:208:A:ARG:H	18	0.1
(1,996)	1:184:A:ILE:HD12	1:208:A:ARG:H	18	0.1
(1,996)	1:184:A:ILE:HD13	1:208:A:ARG:H	18	0.1
(1,953)	1:216:A:THR:HG21	1:220:A:LYS:HA	12	0.1
(1,953)	1:216:A:THR:HG22	1:220:A:LYS:HA	12	0.1
(1,953)	1:216:A:THR:HG23	1:220:A:LYS:HA	12	0.1
(1,936)	1:206:A:MET:HA	1:209:A:VAL:HB	18	0.1
(1,892)	1:134:A:MET:HB3	1:135:A:SER:HA	6	0.1
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB2	13	0.1
(1,840)	1:170:A:SER:H	1:174:A:ASN:HB3	13	0.1
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE1	5	0.1
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE2	5	0.1
(1,788)	1:184:A:ILE:HD11	1:206:A:MET:HE3	5	0.1
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE1	5	0.1
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE2	5	0.1
(1,788)	1:184:A:ILE:HD12	1:206:A:MET:HE3	5	0.1
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE1	5	0.1
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE2	5	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:184:A:ILE:HD13	1:206:A:MET:HE3	5	0.1
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE1	20	0.1
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE2	20	0.1
(1,748)	1:137:A:PRO:HA	1:138:A:MET:HE3	20	0.1
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE1	2	0.1
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE2	2	0.1
(1,735)	1:134:A:MET:HG3	1:213:A:MET:HE3	2	0.1
(1,730)	1:213:A:MET:H	1:213:A:MET:HE1	13	0.1
(1,730)	1:213:A:MET:H	1:213:A:MET:HE2	13	0.1
(1,730)	1:213:A:MET:H	1:213:A:MET:HE3	13	0.1
(1,710)	1:135:A:SER:HB2	1:136:A:ARG:H	6	0.1
(1,699)	1:139:A:ILE:HG21	1:140:A:HIS:HB3	19	0.1
(1,699)	1:139:A:ILE:HG22	1:140:A:HIS:HB3	19	0.1
(1,699)	1:139:A:ILE:HG23	1:140:A:HIS:HB3	19	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE1	1	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE2	1	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE3	1	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE1	2	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE2	2	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE3	2	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE1	4	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE2	4	0.1
(1,684)	1:129:A:MET:HA	1:129:A:MET:HE3	4	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD1	1	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD2	1	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD1	1	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD2	1	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD1	1	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD2	1	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD1	2	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD2	2	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD1	2	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD2	2	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD1	2	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD2	2	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD1	3	0.1
(1,683)	1:129:A:MET:HE1	1:163:A:TYR:HD2	3	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD1	3	0.1
(1,683)	1:129:A:MET:HE2	1:163:A:TYR:HD2	3	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD1	3	0.1
(1,683)	1:129:A:MET:HE3	1:163:A:TYR:HD2	3	0.1
(1,678)	1:136:A:ARG:HE	1:154:A:MET:HE1	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:136:A:ARG:HE	1:154:A:MET:HE2	1	0.1
(1,678)	1:136:A:ARG:HE	1:154:A:MET:HE3	1	0.1
(1,671)	1:150:A:TYR:HD1	1:154:A:MET:HE1	3	0.1
(1,671)	1:150:A:TYR:HD1	1:154:A:MET:HE2	3	0.1
(1,671)	1:150:A:TYR:HD1	1:154:A:MET:HE3	3	0.1
(1,671)	1:150:A:TYR:HD2	1:154:A:MET:HE1	3	0.1
(1,671)	1:150:A:TYR:HD2	1:154:A:MET:HE2	3	0.1
(1,671)	1:150:A:TYR:HD2	1:154:A:MET:HE3	3	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD2	10	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD3	10	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD2	10	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD3	10	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD2	10	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD3	10	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD2	12	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD3	12	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD2	12	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD3	12	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD2	12	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD3	12	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD2	19	0.1
(1,644)	1:134:A:MET:HE1	1:220:A:LYS:HD3	19	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD2	19	0.1
(1,644)	1:134:A:MET:HE2	1:220:A:LYS:HD3	19	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD2	19	0.1
(1,644)	1:134:A:MET:HE3	1:220:A:LYS:HD3	19	0.1
(1,642)	1:134:A:MET:HE1	1:217:A:GLN:HB2	14	0.1
(1,642)	1:134:A:MET:HE2	1:217:A:GLN:HB2	14	0.1
(1,642)	1:134:A:MET:HE3	1:217:A:GLN:HB2	14	0.1
(1,633)	1:134:A:MET:HE1	1:216:A:THR:H	10	0.1
(1,633)	1:134:A:MET:HE2	1:216:A:THR:H	10	0.1
(1,633)	1:134:A:MET:HE3	1:216:A:THR:H	10	0.1
(1,631)	1:134:A:MET:HE1	1:161:A:VAL:H	2	0.1
(1,631)	1:134:A:MET:HE2	1:161:A:VAL:H	2	0.1
(1,631)	1:134:A:MET:HE3	1:161:A:VAL:H	2	0.1
(1,631)	1:134:A:MET:HE1	1:161:A:VAL:H	10	0.1
(1,631)	1:134:A:MET:HE2	1:161:A:VAL:H	10	0.1
(1,631)	1:134:A:MET:HE3	1:161:A:VAL:H	10	0.1
(1,631)	1:134:A:MET:HE1	1:161:A:VAL:H	19	0.1
(1,631)	1:134:A:MET:HE2	1:161:A:VAL:H	19	0.1
(1,631)	1:134:A:MET:HE3	1:161:A:VAL:H	19	0.1
(1,629)	1:134:A:MET:HE1	1:214:A:CYS:H	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,629)	1:134:A:MET:HE2	1:214:A:CYS:H	4	0.1
(1,629)	1:134:A:MET:HE3	1:214:A:CYS:H	4	0.1
(1,603)	1:120:A:SER:HB2	1:121:A:VAL:HA	18	0.1
(1,603)	1:120:A:SER:HB3	1:121:A:VAL:HA	18	0.1
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE1	16	0.1
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE2	16	0.1
(1,585)	1:201:A:THR:HG21	1:205:A:MET:HE3	16	0.1
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE1	16	0.1
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE2	16	0.1
(1,585)	1:201:A:THR:HG22	1:205:A:MET:HE3	16	0.1
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE1	16	0.1
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE2	16	0.1
(1,585)	1:201:A:THR:HG23	1:205:A:MET:HE3	16	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE1	9	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE2	9	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE3	9	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE1	13	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE2	13	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE3	13	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE1	19	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE2	19	0.1
(1,581)	1:204:A:LYS:HB3	1:205:A:MET:HE3	19	0.1
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE1	17	0.1
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE2	17	0.1
(1,574)	1:150:A:TYR:HA	1:205:A:MET:HE3	17	0.1
(1,512)	1:179:A:CYS:HA	1:182:A:ILE:HG21	3	0.1
(1,512)	1:179:A:CYS:HA	1:182:A:ILE:HG22	3	0.1
(1,512)	1:179:A:CYS:HA	1:182:A:ILE:HG23	3	0.1
(1,506)	1:182:A:ILE:H	1:182:A:ILE:HG21	14	0.1
(1,506)	1:182:A:ILE:H	1:182:A:ILE:HG22	14	0.1
(1,506)	1:182:A:ILE:H	1:182:A:ILE:HG23	14	0.1
(1,485)	1:182:A:ILE:HA	1:185:A:LYS:HE2	18	0.1
(1,485)	1:182:A:ILE:HA	1:185:A:LYS:HE3	18	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE2	11	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE3	11	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE2	13	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE3	13	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE2	15	0.1
(1,479)	1:192:A:THR:H	1:194:A:LYS:HE3	15	0.1
(1,453)	1:208:A:ARG:HA	1:208:A:ARG:HD2	5	0.1
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD2	6	0.1
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD3	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD2	16	0.1
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD3	16	0.1
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD2	19	0.1
(1,436)	1:226:A:TYR:HA	1:229:A:ARG:HD3	19	0.1
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	5	0.1
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	5	0.1
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	5	0.1
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	5	0.1
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD2	10	0.1
(1,420)	1:145:A:TRP:HB2	1:148:A:ARG:HD3	10	0.1
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD2	10	0.1
(1,420)	1:145:A:TRP:HB3	1:148:A:ARG:HD3	10	0.1
(1,419)	1:148:A:ARG:HD2	1:149:A:TYR:HA	1	0.1
(1,419)	1:148:A:ARG:HD3	1:149:A:TYR:HA	1	0.1
(1,282)	1:186:A:GLN:HB3	1:190:A:THR:HG21	8	0.1
(1,282)	1:186:A:GLN:HB3	1:190:A:THR:HG22	8	0.1
(1,282)	1:186:A:GLN:HB3	1:190:A:THR:HG23	8	0.1
(1,269)	1:199:A:THR:HG21	1:200:A:GLU:HA	8	0.1
(1,269)	1:199:A:THR:HG22	1:200:A:GLU:HA	8	0.1
(1,269)	1:199:A:THR:HG23	1:200:A:GLU:HA	8	0.1
(1,269)	1:199:A:THR:HG21	1:200:A:GLU:HA	20	0.1
(1,269)	1:199:A:THR:HG22	1:200:A:GLU:HA	20	0.1
(1,269)	1:199:A:THR:HG23	1:200:A:GLU:HA	20	0.1
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG21	1	0.1
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG22	1	0.1
(1,266)	1:198:A:PHE:HD1	1:199:A:THR:HG23	1	0.1
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG21	1	0.1
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG22	1	0.1
(1,266)	1:198:A:PHE:HD2	1:199:A:THR:HG23	1	0.1
(1,147)	1:126:A:GLY:HA3	1:128:A:TYR:H	11	0.1
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG12	3	0.1
(1,144)	1:125:A:LEU:HD21	1:182:A:ILE:HG13	3	0.1
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG12	3	0.1
(1,144)	1:125:A:LEU:HD22	1:182:A:ILE:HG13	3	0.1
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG12	3	0.1
(1,144)	1:125:A:LEU:HD23	1:182:A:ILE:HG13	3	0.1
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD21	3	0.1
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD22	3	0.1
(1,138)	1:125:A:LEU:HA	1:125:A:LEU:HD23	3	0.1
(1,126)	1:161:A:VAL:HG11	1:214:A:CYS:HA	19	0.1
(1,126)	1:161:A:VAL:HG12	1:214:A:CYS:HA	19	0.1
(1,126)	1:161:A:VAL:HG13	1:214:A:CYS:HA	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:184:A:ILE:HD11	1:210:A:VAL:HG11	17	0.1
(1,68)	1:184:A:ILE:HD11	1:210:A:VAL:HG12	17	0.1
(1,68)	1:184:A:ILE:HD11	1:210:A:VAL:HG13	17	0.1
(1,68)	1:184:A:ILE:HD12	1:210:A:VAL:HG11	17	0.1
(1,68)	1:184:A:ILE:HD12	1:210:A:VAL:HG12	17	0.1
(1,68)	1:184:A:ILE:HD12	1:210:A:VAL:HG13	17	0.1
(1,68)	1:184:A:ILE:HD13	1:210:A:VAL:HG11	17	0.1
(1,68)	1:184:A:ILE:HD13	1:210:A:VAL:HG12	17	0.1
(1,68)	1:184:A:ILE:HD13	1:210:A:VAL:HG13	17	0.1
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG11	14	0.1
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG12	14	0.1
(1,60)	1:183:A:THR:HG1	1:210:A:VAL:HG13	14	0.1
(1,41)	1:176:A:VAL:HG21	1:214:A:CYS:HB3	20	0.1
(1,41)	1:176:A:VAL:HG22	1:214:A:CYS:HB3	20	0.1
(1,41)	1:176:A:VAL:HG23	1:214:A:CYS:HB3	20	0.1
(1,10)	1:203:A:VAL:HG21	1:204:A:LYS:HG3	16	0.1
(1,10)	1:203:A:VAL:HG22	1:204:A:LYS:HG3	16	0.1
(1,10)	1:203:A:VAL:HG23	1:204:A:LYS:HG3	16	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found